

APPENDIX D: EQUIPMENT CUTSHEET PACKAGE

Yuba-Sutter Transit Next Generation Transit Facility
Marysville, California



Prepared by:



April 2026

EQUIPMENT CUTSHEET



CABINET ANCHORING KITS

- For securing single cabinets to the floor
(All cabinets should be securely fastened to the floor)
- Kit consists of two screws, washers and anchors
- Specify the appropriate hardware for your floor

MODEL #	DESCRIPTION
CAK-1	For concrete floors
CAK-2	For wood floors



CAK-1

Standard (STD) 30" W x 27-3/4" D SEP3144AL - Nine Drawers

Shipping Weight: 538 lbs

DRAWERS	DRAWER MODEL#	USABLE HEIGHT	COMPARTMENTS	LOADING DIAGRAM#
1	30	3-7/8" (98 mm)	24	LD58
1	30	3-7/8" (98 mm)	20	LD68
1	30	3-7/8" (98 mm)	16	LD88
1	30	3-7/8" (98 mm)	12	LD108
1	40	5-3/8" (137 mm)	20	LD68
1	40	5-3/8" (137 mm)	16	LD88
1	40	5-3/8" (137 mm)	12	LD108
1	40	5-3/8" (137 mm)	8	LD168
1	60	8-1/2" (216 mm)	12	LD108

Total Capacity: 3,600 lbs.



Item Description:
Cabinet, 9 drawer, 59"

Mark No.:
1113
Page 1 of 2

EQUIPMENT CUTSHEET

OVERHEAD CABINETS

Ideal for existing cabinet storage systems or new cabinet system installations, Vidmar® overhead storage (OS) cabinets provide additional heavy-duty storage space above cabinets. Overhead cabinets are manufactured to the same dimensions as the rest of Vidmar's cabinets, allowing for seamless modular integration into any Vidmar® cabinet solution.

Housing Height:

0110	20.75" (527mm)
0135	24.68" (627mm)
0155	27.83" (707mm)
0175	30.98" (787mm)
0200	34.91" (887mm)
0245	42.00" (1,067mm)



Preconfigured Overhead Shelf Cabinets Model # (includes 1 - 400lb. shelf)

STANDARD. (STD)	SHALLOW DEPTH (LW)	SMALL VERSION (SV)	EXTRA-WIDE (XW)	EXTRA-WIDE SHALLOW DEPTH (XL)	DOUBLE-WIDE (DW)
OS110X1A	LWO1101A	SVO1101A	XWO1101A	XLO1101A	DWO1101A
OS135X1A	LWO1351A	SVO1351A	XWO1351A	XLO1351A	DWO1351A
OS155X1A	LWO1551A	SVO1551A	XWO1551A	XLO1551A	DWO1551A
OS175X1A	LWO1751A	SVO1751A	XWO1751A	XLO1751A	DWO1751A
OS200X1A	LWO2001A	SVO2001A	XWO2001A	XLO2001A	DWO2001A
OS2451XA	LWO2451A	SVO2451A	XWO2451A	XLO2451A	DWO2451A

Overhead Shelf Cabinets Model #

	STANDARD. (STD)	SHALLOW DEPTH (LW)	SMALL VERSION (SV)	EXTRA-WIDE (XW)	EXTRA-WIDE SHALLOW DEPTH (XL)	DOUBLE-WIDE (DW)
OS Cabinet	OSXXXX	LWOSXXXX	SVOSXXXX	XWOSXXXX	XL0SXXXX	DWOSXXXX
400 lb. Shelf	CS40	LWCS40	SVCS40	XWCS40	XLCS40	DWDCS40
Door	SDDXXXX**	LWSDXXXX**	SDDXXXX**	XWOSDXXXX	XWOSDXXXX	DWOSDXXXX
9" Shelf Dividers	SDV09	LWSDV09	SDV09	SDV09	LWSDV09	SDV09
12" Shelf Dividers	SDV12	LWSDV12	SDV12	SDV12	LWSDV12	SDV12
6" Bottom Pan Dividers	SDV06B	-	SDV06B	SDV06B	-	SDV06B

**Please specify right- or left-hand hinge



Item Description:
Cabinet, 9 drawer, 59"

Mark No.:
1113
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EQUIPMENT CUTSHEET

ALL-WELDED, ONE-PIECE DESIGN, TOUGH, RUGGED, DURABLE MANUFACTURING EQUIPMENT

Strong Hold's industrial computer cabinet with retractable keyboard allows users to lock up all their computer accessories at the end of the day while protecting the unit from rough environments. The retractable keyboard drawer unit measures 20" W x 22" D x 3" H. The polycarbonate window allows a clear view of the monitor. A seven outlet, 15 amp, 110-volt power strip and a fan for filtration and ventilation come installed. The top door is secured by a latch that can only be opened when the bottom doors are unlocked. This provides security for your monitor and tower. The center shelf is perforated to keep equipment cool.

The lower storage area comes complete with two full-width adjustable shelves to hold 1900 lbs. of tools or other supplies.

OUR MOST POPULAR: INDUSTRIAL COMPUTER CABINET WITH RETRACTABLE KEYBOARD



StrongHold®

(800) 880-2625 STRONG-HOLD.COM

Product Number
26-CC-242-RK
Retractable keyboard

Width x Depth x Height ...
26" x 24" x 66"

Overall Height ... 72"

Weight ... 386 lbs.
Shelf P/N ... Z-24C

Shelf Capacity ... 1900 lbs.

*CUSTOM SIZED TO MEET YOUR
SPECIFIC REQUIREMENTS



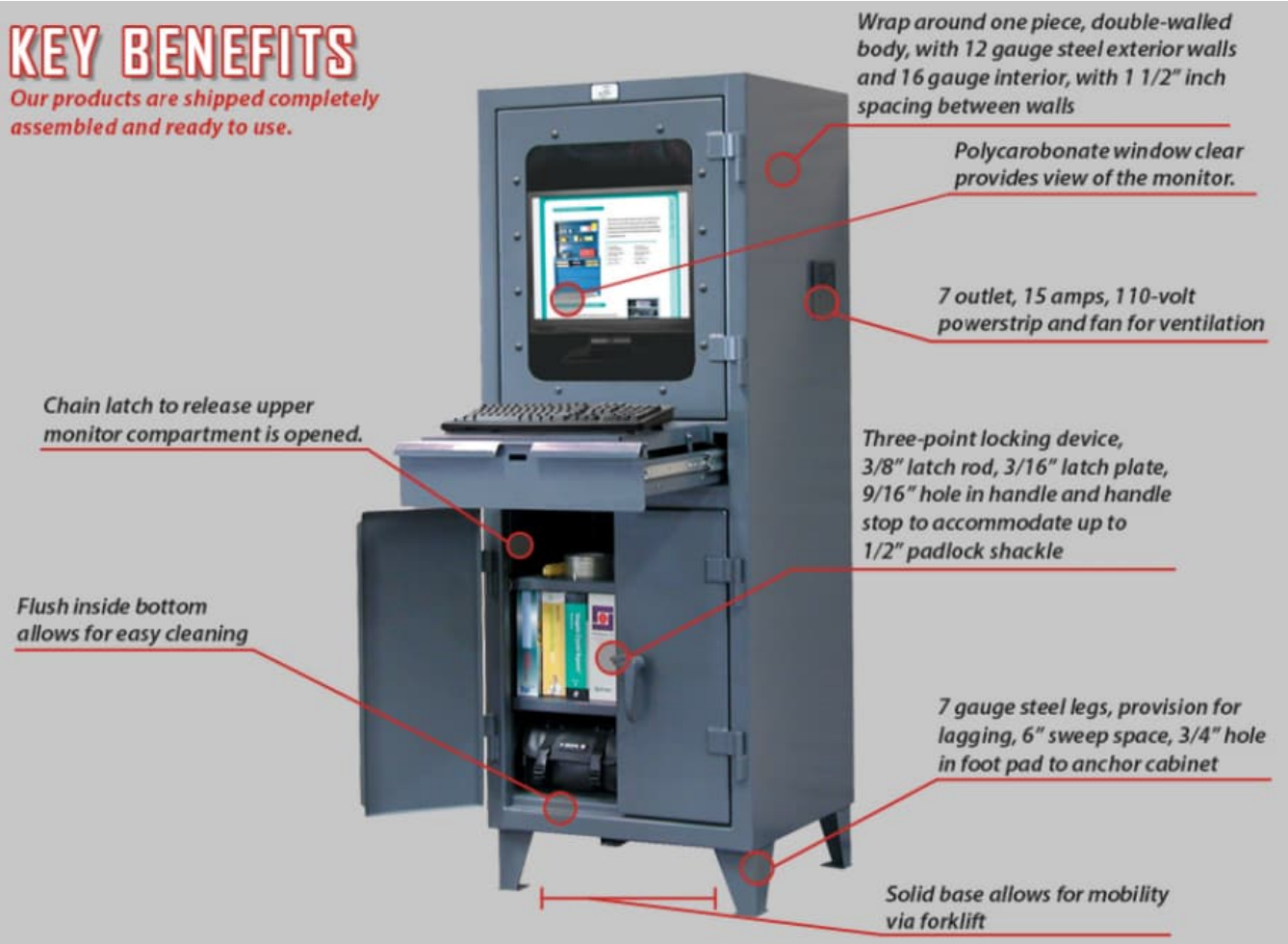
Item Description:
Cabinet, computer, shop

Mark No.:
1130
Page 1 of 2

EQUIPMENT CUTSHEET

KEY BENEFITS

Our products are shipped completely assembled and ready to use.



MOBILE INDUSTRIAL COMPUTER

CABINET WITH RETRACTABLE KEYBOARD

This cabinet has all the features of our industrial computer cabinet, with the added feature of 6" casters to make these units mobile, allowing for mobility where the job requires.

This model has a retractable keyboard option.

Product Number...

25-CC-242-RK-CA

Width x Depth x Height...

26" x 24" x 60"

Overall Height... 67-11/16"

Weight... 413 lbs.

Shelf P/N... 2-24C

Shelf Capacity... 1900 lbs.

*CUSTOM SIZED TO
MEET YOUR SPECIFIC
REQUIREMENTS



Item Description:
Cabinet, computer, shop

Mark No.:

1130

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EQUIPMENT CUTSHEET

Storage Cabinets

Flammable Liquid Storage Cabinets

Protect your personnel and your business

- Galvanized steel shelves and leveling legs
- Support up to 350 lbs.
- Internal and external welded construction
- 18 gauge steel reinforced double wall panel construction
- 2" raised leakproof sill
- 2" vent with fire baffle and cap
- Ground connection
- Lead-free high gloss baked on powder finish
- 3 point key lock doors
- Meet OSHA and NFPA code 30 specifications
- Self-closing models meet UFC 79



Equip to flammable liquid cabinets help protect you from fire hazard. Use them for volatile liquids that need to be safely contained like:

- Alcohol
- Acetone
- Formaldehyde
- Gasoline



These cabinets can be conveniently placed wherever safe housekeeping procedures or ease of accessibility dictate.

Part No.	Description	Dimensions (W X D X H)	Weight
FSC15S	15 gal two door self-closing	43" x 18" x 22 ^{1/4} "	145 lbs.
FSC15M	15 gal two door manual close	43" x 18" x 22 ^{1/4} "	135 lbs.
FSC30M	30 gal two door, one shelf, manual close	43" x 18" x 44"	247 lbs.
FSC30S	30 gal two door, one shelf, self-closing	43" x 18" x 44"	257 lbs.
FSC45M	45 gal two door, two shelves, manual close	43" x 18" x 65"	342 lbs.
FSC45S	45 gal two door, two shelves, self-closing	43" x 18" x 65"	353 lbs.
FSC60M	60 gal two door, two shelves, manual close	31 ^{1/4} " x 31 ^{1/4} " x 65"	354 lbs.
FSC60S	60 gal two door, two shelves, self-closing	31 ^{1/4} " x 31 ^{1/4} " x 65"	364 lbs.
FSC90M	90 gal two door, two shelves, manual close	43" x 34" x 65"	465 lbs.
FSC90S	90 gal two door, two shelves, self-closing	43" x 34" x 65"	475 lbs.
FSCSHELF	*Additional Shelf	43" x 18"	12 lbs.
FSC60SHELF	*Additional Shelf	31 ^{1/4} " x 31 ^{1/4} "	12 lbs.

*(2) shelves are needed per required additional shelf when adding to a 34"D x 43"W cabinet

Flammable liquid storage cabinets are safety yellow.



Three-point latches for security



Item Description:
Cabinet, flammable materials, large

Mark No.:
1140
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EQUIPMENT CUTSHEET

22 ga steel; 2 keys included; shelf capacity 200lbs.

EQUIPTO

Storage Cabinets



1714/1719

Combination Cabinet

Versatile unit with 5 shelves plus wardrobe area with rod and 4 hooks. Divider panel permits locating wardrobe on either side. Locking handles and key. **Extra shelves can be added.**



1712/1717

Wardrobe Cabinet

Spacious cabinet has a sturdy, metal rod and 4 hooks for hanging coats, plus a top shelf for personal items. Locking handles and key.



1710/1715

Spacious Cabinet

Rugged cabinet in 2 depths features locking handles and key and 4 adjustable shelves (2" centers). **Extra shelves can be added.**



1700/1705

Counter High Cabinet

Double-door cabinet has locking handles and 2 interior shelves. Use back-to-back; side-by-side; add extra shelves. **Available in two depths.**



1730

Desk High Cabinet

Use back-to-back or side-by-side to form a credenza. Has 1 shelf, locking handles. Add extra shelves to expand space.



1730WS

Book Shelf Cabinet

Combination unit with 2 adjustable shelves (3/4" centers) and 2 door cabinet with internal shelf and locking handles.



1734/1735

Handy Cabinet

Keeps books, manuals, parts. Locking handle.

Shipped set-up. Order part number 1734DI/1735DI if it's required to have the handles located lower on the cabinet.

Cabinet		Size			Extra Shelves	
Part No.	Description	Width	Depth	Height	Part No.	Shelf Capacity
1712	Wardrobe	36"	18"	78"	--	200 lbs.
1717	Wardrobe	36"	24"	78"	--	225 lbs.
1710	5-shelf	36"	18"	78"	16027A	200 lbs.
1715	5-shelf	36"	24"	78"	16029A	225 lbs.
1734*	2-shelf	30"	13"	27"	16017	200 lbs.
1734DI*	2 shelf upper cabinet	30"	13"	27"	16017	200 lbs.
1735*	2-shelf	36"	13"	27"	16025	200 lbs.
1735DI*	2 shelf upper cabinet	36"	13"	27"	16025	200 lbs.
1730WS	Book Shelf/Cabinet	36"	18"	71"	6192 (Upper) 16027A (Lower)	200 lbs.
1714	Combination	36"	18"	78"	16032A	200 lbs.
1719	Combination	36"	24"	78"	16033A	225 lbs.
1700	Counter High	36"	18"	42"	16027A	200 lbs.
1705	Counter High	36"	24"	42"	16029A	225 lbs.
1730	Desk High	36"	18"	29"	16027A	200 lbs.

11245 Locking Handle
11245KA Locking Handle Keyed Alike
11246 Rigid Handle
10428 Key

All cabinets shipped unassembled. *Shipped assembled (no UPS)

A standard color chart is available at the beginning of each section with a more detailed one on page 126.

03

Cabinets

111 Cabinets and Carts



Item Description:
Cabinet, storage, shop. 18"

Mark No.:
1185
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EQUIPMENT CUTSHEET

12-GAUGE STEEL

34-SD-282

Extreme Duty 12 GA Shop Desk with 2 Shelves, Riser Shelf – 36 In. W x 28 In. D x 54 In. H

- 12 GA Steel all welded body construction
- 1 riser shelf and 2 adjustable shelves in the cabinet with a weight capacity of 1900 lbs
- Sloped top writing surface
- Cabinet doors supported by 8 GA leaf hinges with stainless steel hinge pins
- Ships fully assembled and ready for use from Louisville, KY; 99-year warranty



Pictured: 34-SD-282-RAL7024



Item Description:
Desk, stand-up

Mark No.:
1220
Page 1 of 2

EQUIPMENT CUTSHEET

This Strong Hold shop desk is built to stand up to the toughest working conditions. Made with 12 GA steel, the desk stands at 54 in. H x 36 in. W x 28 in. D. The structural strength of our all-welded, wrap around body reduces the number of welds and bolts. This rugged desk provides convenience and versatility within an industrial workspace. Organize your paperwork and other administrative needs in your shop or warehouse with the riser shelf and cabinet.

The cabinet can be locked with a standard padlock and is secured by our 3-point locking system. 8 GA leaf hinges support the doors with stainless steel hinge pins. These hinge pins ensure rust free, smooth operations. The 7 GA legs feature floor anchoring plates and stand at 6 in. tall allowing for smooth forklift transportation.

Shipped fully assembled, this desk is immediately ready for use. We are a Veteran Owned Small Business, proudly manufacturing our products in the USA. The quality and durability of Strong Hold products is unmatched and backed by a 99-year warranty.

Weight	364 lbs
Width	36"
Depth	28"
Height	54"
Material	12-Gauge Steel
Shelf 1 SKU	3-28C
Shelf 1 Capacity	1900
Leg Type	6" Legs
Lock Type	Padlock Hasp
Top	12-Gauge Steel
Riser Shelf	Yes



Item Description:
Desk, stand-up

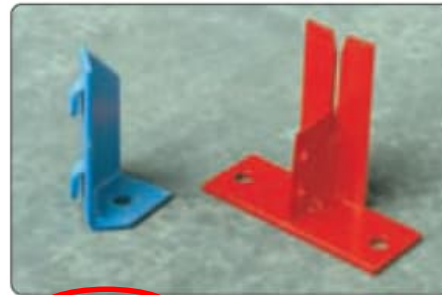
Mark No.:
1220
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EQUIPMENT CUTSHEET



Rack Ends

Depth	5' High Part No.	6' High Part No.	7' High Part No.	8' High Part No.	10' High Part No.	15' High Part No.
15"	9304	9309	9314	9319	9329	9345
24"	9301	9306	9311	9316	9326	9342
30"	9305	9310	9315	9320	9330	9346
36"	9302	9307	9312	9317	9327	9343
48"	9303	9308	9313	9318	9328	9344



7695 L&R

190317A

Four level bulk rack with solid decking

Total Capacity: 3,244 lbs.

Depth	Height	48" Wide		60" Wide		72" Wide		96" Wide	
		Starter	Add-on	Starter	Add-on	Starter	Add-on	Starter	Add-on
Standard duty (from 1100 lbs. to 1500 lbs. For specific capacities see chart on page 23)									
24"	96"	1008D42S	1008D42A	1008D52S	1008D52A	1008D62S	1008D62A	—	—
	120"	1010D42S	1010D42A	1010D52S	1010D52A	1010D62S	1010D62A	—	—
30"	96"	1008D40S	1008D40A	1008D50S	1008D50A	1008D60S	1008D60A	—	—
	120"	1010D40S	1010D40A	1010D50S	1010D50A	1010D60S	1010D60A	—	—
36"	96"	1008D43S	1008D43A	1008D53S	1008D53A	1008D63S	1008D63A	—	—
	120"	1010D43S	1010D43A	1010D53S	1010D53A	1010D63S	1010D63A	—	—
48"	96"	1008D44S	1008D44A	1008D54S	1008D54A	1008D64S	1008D64A	—	—
	120"	1010D44S	1010D44A	1010D54S	1010D54A	1010D64S	1010D64A	—	—
Medium duty (from 1500 lbs. to 2000 lbs. For specific capacities see chart on page 23)									
24"	96"	1018D42S	1018D42A	1018D52S	1018D52A	1018D62S	1018D62A	1018D82S	1018D82A
	120"	1020D42S	1020D42A	1020D52S	1020D52A	1020D62S	1020D62A	1020D82S	1020D82A
30"	96"	1018D40S	1018D40A	1018D50S	1018D50A	1018D60S	1018D60A	1018D80S	1018D80A
	120"	1020D40S	1020D40A	1020D50S	1020D50A	1020D60S	1020D60A	1020D80S	1020D80A
36"	96"	1018D43S	1018D43A	1018D53S	1018D53A	1018D63S	1018D63A	1018D83S	1018D83A
	120"	1020D43S	1020D43A	1020D53S	1020D53A	1020D63S	1020D63A	1020D83S	1020D83A
48"	96"	1018D44S	1018D44A	1018D54S	1018D54A	1018D64S	1018D64A	1018D84S	1018D84A
	120"	1020D44S	1020D44A	1020D54S	1020D54A	1020D64S	1020D64A	1020D84S	1020D84A
Heavy duty (over 2000 lbs. For specific capacities see chart on page 23)									
24"	96"	1028D42S	1028D42A	1028D52S	1028D52A	1028D62S	1028D62A	1028D82S	1028D82A
	120"	1030D42S	1030D42A	1030D52S	1030D52A	1030D62S	1030D62A	1030D82S	1030D82A
30"	96"	1028D40S	1028D40A	1028D50S	1028D50A	1028D60S	1028D60A	1028D80S	1028D80A
	120"	1030D40S	1030D40A	1030D50S	1030D50A	1030D60S	1030D60A	1030D80S	1030D80A
36"	96"	1028D43S	1028D43A	1028D53S	1028D53A	1028D63S	1028D63A	1028D83S	1028D83A
	120"	1030D43S	1030D43A	1030D53S	1030D53A	1030D63S	1030D63A	1030D83S	1030D83A
48"	96"	1028D44S	1028D44A	1028D54S	1028D54A	1028D64S	1028D64A	1028D84S	1028D84A
	120"	1030D44S	1030D44A	1030D54S	1030D54A	1030D64S	1030D64A	1030D84S	1030D84A



Item Description:
Rack, bulk storage, w/ deck

Mark No.:
1456
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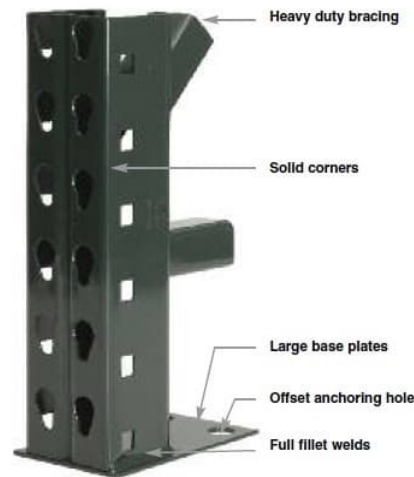
EQUIPMENT CUTSHEET

Teardrop Frames

Teardrop systems offer easy assembly with 2" vertical beam adjustments. No tools are required. The teardrop beam-to-column connection is designed to be compatible with other widely available teardrop systems.

Features

- Offset anchor holes
- Full array of profiles to optimize the solution
- 2" vertical adjustability
- Large base plates
- 6 bend column
- 100% welded uprights



Teardrop Beams

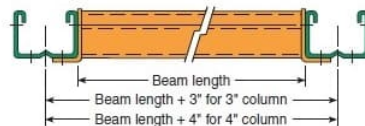
Interchangeable teardrop beams, as with slotted beams, are available in many profiles, in virtually any length, with capacities to 18,000 lbs. per pair. You can tie into many existing systems both old and new. Beams have a safety factor of 1.67 based on minimum yield of steel. All beam capacities are calculated based on the requirements of the current RMI specification.

Our teardrop pallet system provides a robust, patented, automatic lock for improved safety. The Springlock assembly provides positive beam-to-column engagement, improving installation speed and safety.

All capacities are based on uniformly distributed loads on a pair of beams. Other loading conditions can greatly reduce the carrying capacity of a beam.



Total Capacity: 18,000lbs.



Wire Decking

Heavy-duty waterfall decking features a 2½" x 4" 6-gauge wire mesh with 14-gauge steel channels for safe, durable storage and ease of installation. Meets all fire and safety regulations. Available in Frost Gray.



Wire decking sizes necessary to fit Lyon pallet rack

Beam Width	Wire Decking Sizes
90"	(2) 44"W
96"	(2) 46"W
102"	(1) 46"W and (1) 52"W
108"	(2) 52"W
120"	(2) 58"W
144"	(3) 46"W



Item Description:
Rack, pallet, 42" deep, 12' high, 6000lb, w/deck

Mark No.:
1531
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EQUIPMENT CUTSHEET

Tubular Wire Rack

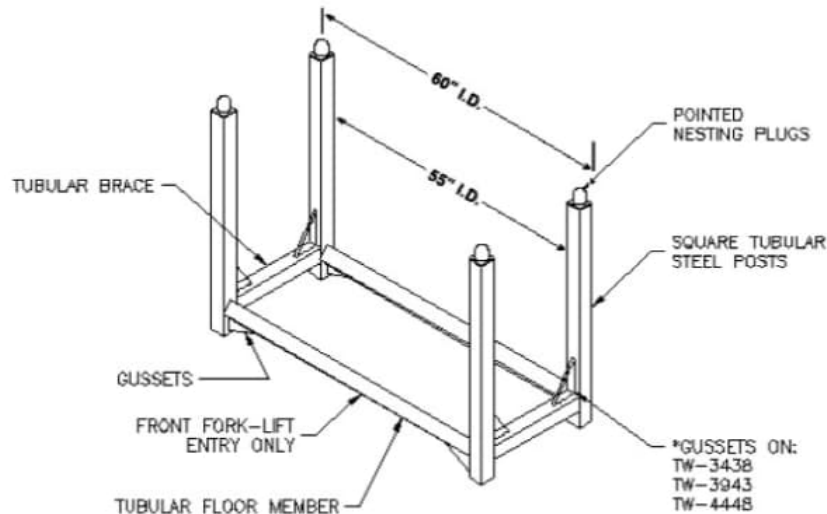
Supplier: **Jarke by SPG**

FOB - Midwest Warehouse

This rack is ideal for use when 4-way entry is not required. This all-tubular series provides storage planning at a savings in cost. Rugged steel construction with high nesting plugs. Hook slots and ribbing are available as optional features.

Features:

- 4,000 lbs. capacity
- Square tubular steel posts
- Two-way front fork entry only
- Three-high stackability



Model No.	For Coil Diameter	Size W x H	Weight
TW-2428	24" - 28"	20" x 33"	103 lbs.
TW-2933	29" - 33"	22" x 37-1/2"	111 lbs.
TW-3438	34" - 38"	24" x 42-1/2"	118 lbs.
 TW-3943	39" - 43"	26" x 47-1/2"	128 lbs.
TW-4448	44" - 48"	28" x 53"	136 lbs.



Item Description:
Rack, tire, stackable

Mark No.:
1640
Page 1 of 1

EQUIPMENT CUTSHEET

V-Grip™ Solid Shelving - Open - 84"H

		Shelf	5 Shelves		7 Shelves		
Depth	Width	Capacity	Starter	Add-On	Starter	Add-On	Extra Shelf
12" Depth							
12"	36"	650 lbs.	661-5S	661-5A	661-7S	661-7A	6230
12"	36"	940 lbs.	761-5S	761-5A	761-7S	761-7A	6230R
12"	42"	500 lbs.	661Y5S	661Y5A	661Y7S	661Y7A	6250
12"	42"	900 lbs.	761Y5S	761Y5A	761Y7S	761Y7A	6250R
12"	48"	430 lbs.	661W5S	661W5A	661W7S	661W7A	6240
12"	48"	700 lbs.	761W5S	761W5A	761W7S	761W7A	6240R
18" Depth							
18"	36"	700 lbs.	663-5S	663-5A	663-7S	663-7A	6231
18"	36"	1,170 lbs.	763-5S	763-5A	763-7S	763-7A	6231R
18"	42"	500 lbs.	663Y5S	663Y5A	663Y7S	663Y7A	6251
18"	42"	900 lbs.	763Y5S	763Y5A	763Y7S	763Y7A	6251R
18"	48"	440 lbs.	663W5S	663W5A	663W7S	663W7A	6241
18"	48"	740 lbs.	763W5S	763W5A	763W7S	763W7A	6241R
24" Depth							
24"	36"	721 lbs.	665-5S	665-5A	665-7S	665-7A	6232
24"	36"	1,000 lbs.	765-5S	765-5A	765-7S	765-7A	6232R
24"	42"	500 lbs.	665Y5S	665Y5A	665Y7S	665Y7A	6252
24"	42"	900 lbs.	765Y5S	765Y5A	765Y7S	765Y7A	6252R
24"	48"	450 lbs.	665W5S	665W5A	665W7S	665W7A	6242
24"	48"	720 lbs.	765W5S	765W5A	765W7S	765W7A	6242R
36" Depth							
36"	36"	670 lbs.	667-5S	667-5A	667-7S	667-7A	6234
36"	36"	790 lbs.	767-5S	767-5A	767-7S	767-7A	6234R

Reflective white back and end panels are standard, regardless of shelf color

Add 1^{5/8"} to nominal shelving row width to determine total row width.

Floor Anchors (one for each post)

Fasten racks to floor for increased stability.

(Must be used when bottom beam is more than 12" from floor.)

7695 L&R 190317A for Seismic)



7695 L&R

190317A



Shelving & Racks

V-Grip™ Solid Shelving - Closed - 84"H

Depth	Width	Shelf Capacity	5 Shelves		7 Shelves		Extra Shelf
			Starter	Add-On	Starter	Add-On	
12" Depth							
12"	36"	650 lbs.	671-5S	671-5A	671-7S	671-7A	6230
12	36"	940 lbs.	771-5S	771-5A	771-7S	771-7A	6230R
12	42"	500 lbs.	671Y5S	671Y5A	671Y7S	671Y7A	6250
12	42"	900 lbs.	771Y5S	771Y5A	771Y7S	771Y7A	6250R
12	48"	430 lbs.	671W5S	671W5A	671W7S	671W7A	6240
12	48"	700 lbs.	771W5S	771W5A	771W7S	771W7A	6240R
18" Depth							
18"	36"	700 lbs.	673-5S	673-5A	673-7S	673-7A	6231
18	36"	1,170 lbs.	773-5S	773-5A	773-7S	773-7A	6231R
18	42"	500 lbs.	673Y5S	673Y5A	673Y7S	673Y7A	6251
18	42"	900 lbs.	773Y5S	773Y5A	773Y7S	773Y7A	6251R
18	48"	440 lbs.	673W5S	673W5A	673W7S	673W7A	6241
18	48"	740 lbs.	773W5S	773W5A	773W7S	773W7A	6241R
24" Depth							
24"	36"	721 lbs.	675-5S	675-5A	675-7S	675-7A	6232
24	36"	1,000 lbs.	775-5S	775-5A	775-7S	775-7A	6232R
24	42"	500 lbs.	675Y5S	675Y5A	675Y7S	675Y7A	6252
24	42"	900 lbs.	775Y5S	775Y5A	775Y7S	775Y7A	6232R
24	48"	450 lbs.	675W5S	675W5A	675W7S	675W7A	6242
24	48"	720 lbs.	775W5S	775W5A	775W7S	775W7A	6242R
36" Depth							
36"	36"	690 lbs.	677-5S	677-5A	677-7S	677-7A	6234
36	36"	790 lbs.	777-5S	777-5A	777-7S	777-7A	6234R

Reflective white back and end panels are standard, regardless of shelf color

Add 1^{5/8"} to nominal shelving row width to determine total row width.



V-Grip™ shelving is made with 18-gauge high-strength steel.

A standard color chart is available at the beginning of each section with a more detailed one on page 125.



Item Description:
Shelving unit, 18"

Mark No.:

1680

Page 1 of 1

EQUIPMENT CUTSHEET

EQUIPTO

V-Grip™ Solid Shelving - Open - 84"H

Depth	Width	Shelf Capacity	5 Shelves		7 Shelves		Extra Shelf
			Starter	Add-On	Starter	Add-On	
12" Depth							
12"	36"	650 lbs.	661-5S	661-5A	661-7S	661-7A	6230
12"	36"	940 lbs.	761-5S	761-5A	761-7S	761-7A	6230R
12"	42"	500 lbs.	661Y5S	661Y5A	661Y7S	661Y7A	6250
12"	42"	900 lbs.	761Y5S	761Y5A	761Y7S	761Y7A	6250R
12"	48"	430 lbs.	661W5S	661W5A	661W7S	661W7A	6240
12"	48"	700 lbs.	761W5S	761W5A	761W7S	761W7A	6240R
18" Depth							
18"	36"	700 lbs.	663-5S	663-5A	663-7S	663-7A	6231
18"	36"	1,170 lbs.	763-5S	763-5A	763-7S	763-7A	6231R
18"	42"	500 lbs.	663Y5S	663Y5A	663Y7S	663Y7A	6251
18"	42"	900 lbs.	763Y5S	763Y5A	763Y7S	763Y7A	6251R
18"	48"	440 lbs.	663W5S	663W5A	663W7S	663W7A	6241
18"	48"	740 lbs.	763W5S	763W5A	763W7S	763W7A	6241R
24" Depth							
24"	36"	721 lbs.	665-5S	665-5A	665-7S	665-7A	6232
24"	36"	1,000 lbs.	765-5S	765-5A	765-7S	765-7A	6232R
24"	42"	500 lbs.	665Y5S	665Y5A	665Y7S	665Y7A	6252
24"	42"	900 lbs.	765Y5S	765Y5A	765Y7S	765Y7A	6252R
24"	48"	450 lbs.	665W5S	665W5A	665W7S	665W7A	6242
24"	48"	720 lbs.	765W5S	765W5A	765W7S	765W7A	6242R
36" Depth							
36"	36"	670 lbs.	667-5S	667-5A	667-7S	667-7A	6234
36"	36"	790 lbs.	767-5S	767-5A	767-7S	767-7A	6234R

Reflective white back and end panels are standard, regardless of shelf color.
Add 15/8" to nominal shelving row width to determine total row width.

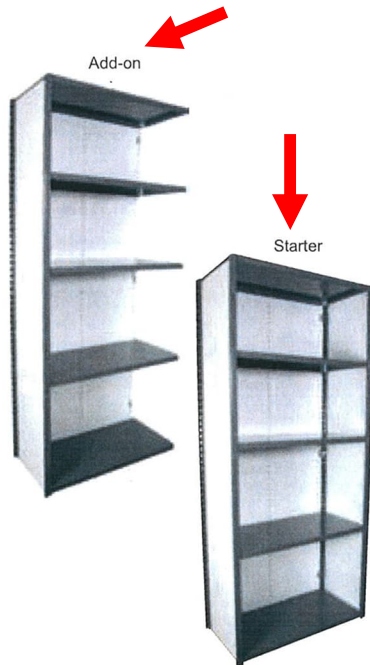


Shelving & Racks

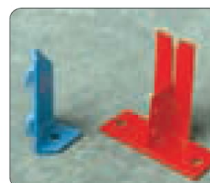
V-Grip™ Solid Shelving - Closed - 84"H

Depth	Width	Shelf Capacity	5 Shelves		7 Shelves		Extra Shelf
			Starter	Add-On	Starter	Add-On	
12" Depth							
12"	36"	650 lbs.	671-5S	671-5A	671-7S	671-7A	6230
12"	36"	940 lbs.	771-5S	771-5A	771-7S	771-7A	6230R
12"	42"	500 lbs.	671Y5S	671Y5A	671Y7S	671Y7A	6250
12"	42"	900 lbs.	771Y5S	771Y5A	771Y7S	771Y7A	6250R
12"	48"	430 lbs.	671W5S	671W5A	671W7S	671W7A	6240
12"	48"	700 lbs.	771W5S	771W5A	771W7S	771W7A	6240R
18" Depth							
18"	36"	700 lbs.	673-5S	673-5A	673-7S	673-7A	6231
18"	36"	1,170 lbs.	773-5S	773-5A	773-7S	773-7A	6231R
18"	42"	500 lbs.	673Y5S	673Y5A	673Y7S	673Y7A	6251
18"	42"	900 lbs.	773Y5S	773Y5A	773Y7S	773Y7A	6251R
18"	48"	440 lbs.	673W5S	673W5A	673W7S	673W7A	6241
18"	48"	740 lbs.	773W5S	773W5A	773W7S	773W7A	6241R
24" Depth							
24"	36"	721 lbs.	675-5S	675-5A	675-7S	675-7A	6232
24"	36"	1,000 lbs.	775-5S	775-5A	775-7S	775-7A	6232R
24"	42"	500 lbs.	675Y5S	675Y5A	675Y7S	675Y7A	6252
24"	42"	900 lbs.	775Y5S	775Y5A	775Y7S	775Y7A	6252R
24"	48"	450 lbs.	675W5S	675W5A	675W7S	675W7A	6242
24"	48"	720 lbs.	775W5S	775W5A	775W7S	775W7A	6242R
36" Depth							
36"	36"	690 lbs.	677-5S	677-5A	677-7S	677-7A	6234
36"	36"	790 lbs.	777-5S	777-5A	777-7S	777-7A	6234R

Reflective white back and end panels are standard, regardless of shelf color.
Add 15/8" to nominal shelving row width to determine total row width.



V-Grip™ shelving is made with 18-gauge high-strength steel.



Floor anchor fastens shelving to floor for increased stability.
Order no. **7695L** (left hand) or no. **7695R** (right hand), seismic floor anchor (center) **190317A**.



Item Description:
Shelving unit, 24"

Mark No.:
1683
Page 1 of 1

EQUIPMENT CUTSHEET

Equiptoflex Workcenters - Desk Height 33^{1/2}"



Model 388-5C

388 Series

Work Surface Type	Workcenter Width		
	4'	5'	6'
Plastic Laminate	388-4P	388-5P	388-6P
ESD (Anti-Static)	388-4C	388-5C	388-6C
Hardwood	388-4W	388-5W	388-6W
Bonded Wood	388-4B	388-5B	388-6B
12 Gauge Steel	388-4T	388-5T	388-6T
Hardboard on Steel	388-4M	388-5M	388-6M

With two pedestal legs with UL approved fused electrical outlets.
Bottom shelf and modesty panel on all workcenters.

14 Gauge steel

16 Gauge steel pedestals

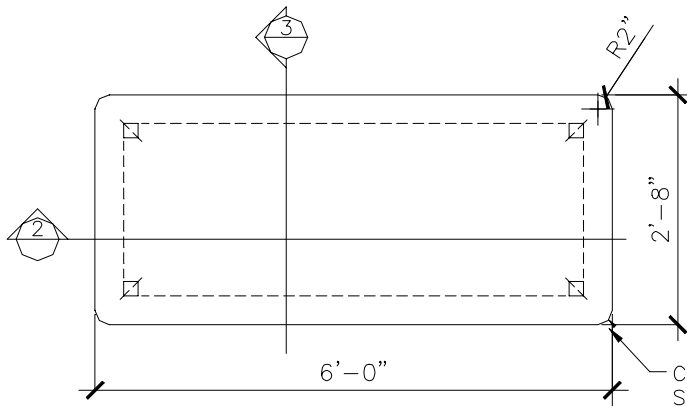


Item Description:
Workbench, electronics, anti-static top, 6 foot

Mark No.:
1802
Page 1 of 1

EQUIPMENT CUTSHEET

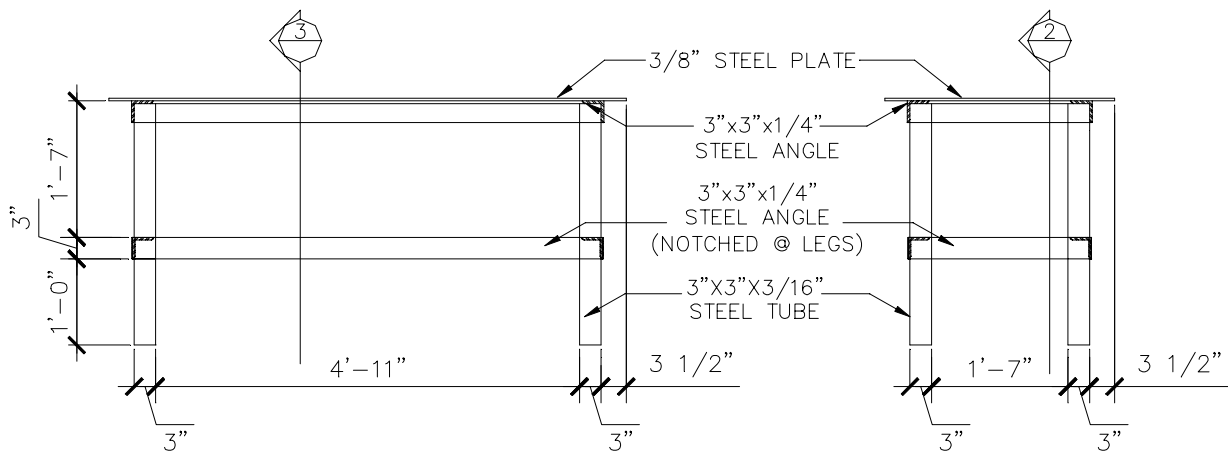
Date:



NOTE:
GRIND SMOOTH ALL
EXPOSED EDGES
(typical)

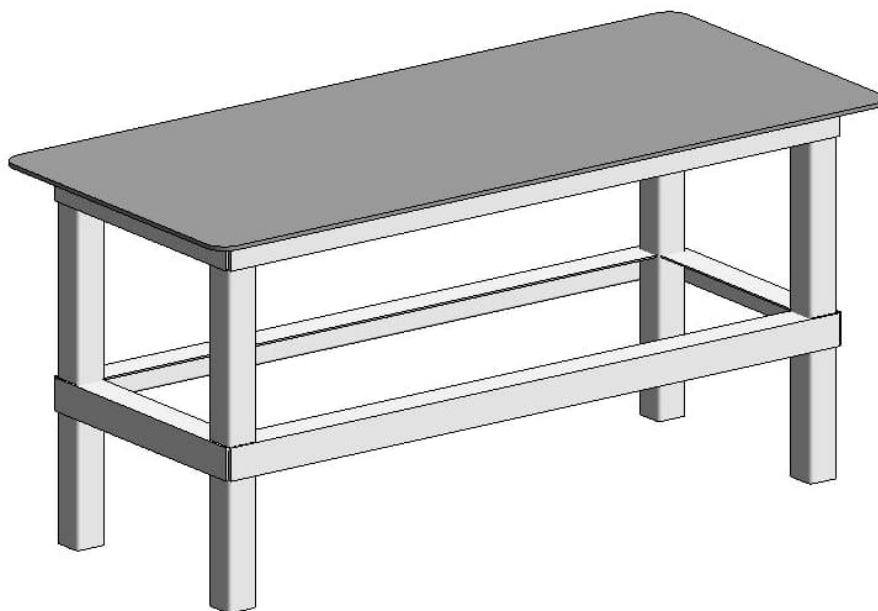
Load Capacity: 2,500 lbs.

1 PLAN VIEW



2 SECTION

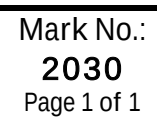
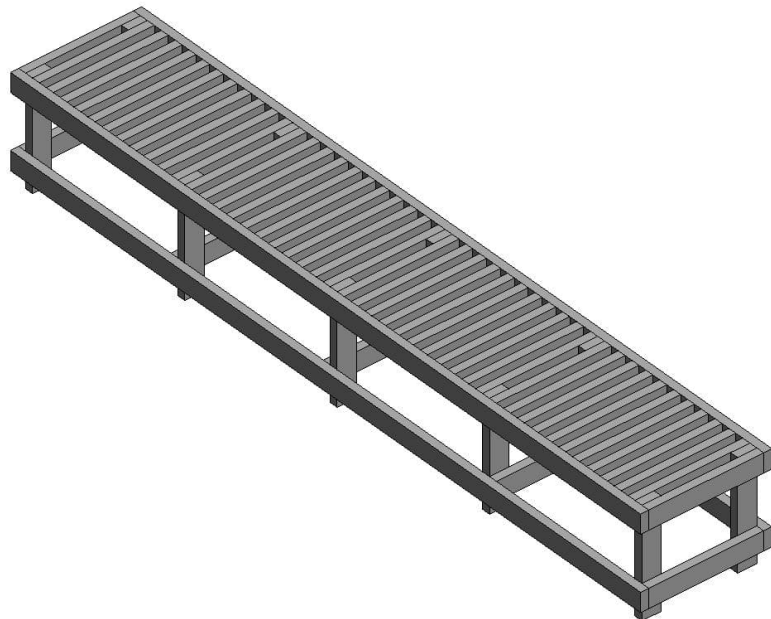
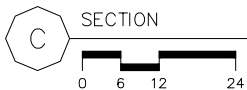
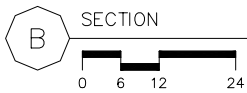
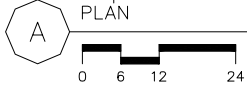
3 SECTION



Item Description:
Workbench, heavy duty

Mark No.:
1860
Page 1 of 1

EQUIPMENT CUTSHEET



EQUIPMENT CUTSHEET

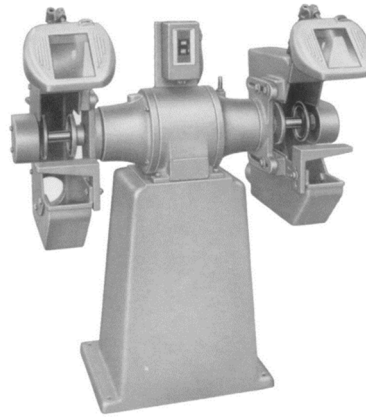
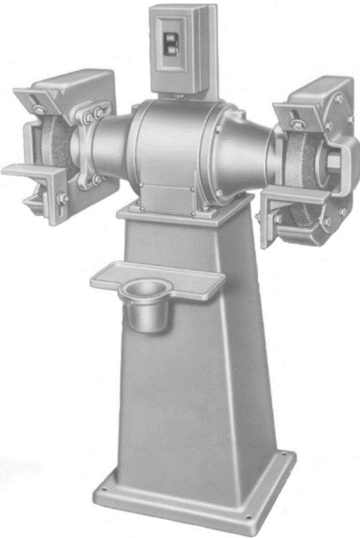
Cincinnati

6" to 20" Wheels - 1/3 to 7-1/2 HP
Direct Drive
TYPE 102

DOUBLE END PEDESTAL GRINDERS

These general purpose grinders are constructed and proven for long, trouble-free service. The motors are totally enclosed, non-ventilated, rated for continuous grinder service. All are equipped with ball bearings, grease lubricated and sealed; designed for long life. Starting equipment is indicated in the chart below. For additional utility and safety, the use of eye shields and dust collectors is suggested. These grinders are equipped with *Cincinnati* Saf-T-Square guards.

Size 202
Pedestal
Grinder
2 HP at
1800 RPM;
wheels
optional;
configuration
of larger or
smaller sizes
may vary
slightly



Size 305 with shaft lock and
optional illuminated eye shields

Standard

- Wheels on Sizes 113, 112, 134 and 211 (one each, course & medium grit)
- Saf-T-Square guards (except Sizes 113, 112, 134 & 211), with adjustable spark breaker, tool rest, rear exhaust outlet
- Tool tray and water pot through Size 205
- Shaft holder through Size 205; Shaft lock on Sizes 305 & 307
- Electrics: 3 phase, 60 Hertz, 230/460 volts. All except Sizes 112, 134 & 211 which are available with B [electrics](#) and Size 113 which is also available with A, J and K [electrics](#) - (specify operating voltage when ordering)

Wheel Size Dia. x Face x Arbor	HP	Spindle RPM	Starter	Type - Size	Wheel Spacing	Spindle Height	Net Weight
6 x 3/4 x 1/2	1/3	3600	T	102-113	14	37	157
7 x 1 x 5/8	1/2	3600	T	102-112	15	38	175
8 x 1 x 3/4	3/4	3600	T	102-134	17	39	193
10 x 1 x 7/8	1	1800	T	102-211	17	40	255
10 x 1-1/4 x 7/8	1	1800	T	102-201	18	39	230
12 x 2 x 1-1/4	2	1800	S	102-202	25	39	410
14 x 2-1/2 x 1-1/4	3	1800	S	102-203	25	39	490
14 x 3 x 1-1/4	5	1800	S	102-205	25	39	505
18 x 3 x 1-1/2	5	1200	S	102-305	33	38	810

All dimensions are in inches, weight in pounds and are approximate.
Starting equipment as indicated above: T - toggle switch; S- push button safety starter; M - magnetic starter.



Item Description:
Buffer/grinder, 8 inch, with pedestal

Mark No.:
2085
Page 1 of 2

EQUIPMENT CUTSHEET



ILLUMINATED EYE SHIELDS

Substantial and practical eye shields, shatter-proof lenses with a bulb in each shield. Furnished mounted or unmounted; wired or not wired; complete with 110V transformer where required. Sold in pairs. (Style and design may vary from that shown.)

Type 000-111	Not connected to switch.	3-3/4" x 5-3/4" window for 6", 7" & 8" Grinders
Type 000-121	Mounted and connected to switch; for 115 volts, 60 Hertz, single phase only.	
Type 000-131	Mounted and connected to switch; for 230 volts, 60 Hertz, single phase or 230/460 volts, 60 Hertz, 3 phase; includes transformer.	7" x 9" window for 12", 14", 18" & 20" Grinders
Type 000-113	Not connected to switch.	
Type 000-133	Mounted and connected to switch; for 230 volts, 60 Hertz, single phase or 230/460 volts, 60 Hertz, 3 phase; includes transformer.	

EYE SHIELDS CAN BE ADAPTED TO OTHER MAKES OF GRINDERS.

SPECIAL ELECTRICAL EQUIPMENT

Push Button Safety Starter	The push button safety starter or <i>manual</i> starter is a simple mechanical device which provides overload protection and mechanical low voltage protection for the motor.
Push Button Magnetic Starter	The magnetic starter is a relay operated switch. The push buttons can be mounted in the starter cover or remotely. It provides overload and undervoltage protection.
JIC and Other Standards	Special electrical equipment to meet any specifications or requirements can be furnished as an optional extra.



Item Description:
Buffer/grinder, 8 inch, with pedestal

Mark No.:
2085
Page 2 of 2

EQUIPMENT CUTSHEET

INTERNATIONAL BATTERY CHARGERS AND STARTING UNITS

FEATURES:

- Vacuum impregnated heavy-duty transformer to seal the unit against external agents
- Patented multi-diode rectifiers
- Fan cooling mechanism
- "Safe in Any Weather" outdoor use
- Delivers peak performance to fleets and repair shops in severely harsh environments

Model 6065S

110V Parallel Battery Charger with Spanish Language Instruction Panel

- 30 Amp Output at 14.9 Volts
- Charges 1 to 10, 12 Volt batteries in less than 24 hours in parallel
- 16 charge rates offer precise charging
- Analog meter shows testing efficiency results
- Made in USA of US and Global Components



MULTI-BATTERY CHARGERS

Part Number	D.C. Output	A.C. Input	Charging Capacity	Battery Types	Parallel/ Series/ Individual Charger	Smart Charger/ Battery Diagnostics	Charge Rate Settings	Volt Meter	Amp Meter	DC Cable Length and Gauge	Clamp Rating	A/C Cord Length	Weight (Pounds) Lbs.	Dimensions (LxWxH)	Warranty Code	COO	Page Number
6065V	30A, 14.9V	108-132V, 7.5A 60Hz	Up to 10 12V	7	P	N	16	11-17V	0-10A	6 1/2' 6 1/2 AWG	N/A	6-1/2' 16-3	40	16x19x16"	3	US ¹	19
6065S	30A, 14.9V	108-132V, 7.5A 60Hz	Up to 10 12V	7	P	N	16	11-17V	0-10A	6 1/2' 6 1/2 AWG	N/A	6-1/2' 16-3	40	16x19x16"	3	US ¹	37
6066A	60/30A, 14.9V	120V, 12A 60Hz	Up to 20 12V	5	P	Y	2	11-17V	0-100A	6 1/2' 6 1/2 AWG	N/A	6-1/2' 16-3	40	16x19x16"	3	US ¹	17
6068	110A, 15.5V	190-262V, 13.9A 50/60Hz	Up to 36 12V	7	P	N	16	0-19.99V	1-110A	5' 1 AWG	N/A	Permanent Installation Only	83	14x16x26"	3	US ¹	19
6078	30A, 14.9V	230V, 50/60Hz	Up to 10 12V	7	P	N	16	11-17V	1-50A	8' 10/2 AWG	N/A	6-1/2' 14-3	40	16x19x16"	10	US ¹	19
6080A	6A, 106V	120V, 8A 60Hz	1 to 36 Cells	7	S	N	64	N/A	0-6A	8' 10/2 AWG	300A	6-1/2' 16-3	40	16x19x16"	3	US ¹	18
6082	6A, 0-158V	120V, 13A 60Hz	1 to 60 Cells	7	S	N	Adjustable	N/A	0-6A	8' 10/2 AWG	100A	6-1/2' 14-3	45	16x19x16"	3	US ¹	18
6366	20A X 4 CH	120V, 12.5A 60Hz	1 to 4 12V	6	I	Y	Automatic	N/A	N/A	4 Sets 6' 12/2 AWG	300A	6-1/2' 16-3	40	16x19x16"	3	US ¹	17

¹ Two Year Bumper to Bumper and 5 Year on Transformer and Rectifier

² Two Year Bumper to Bumper and 3 Year on Transformer and Rectifier

³ One Year Bumper to Bumper

⁴ SLA

⁵ SLA, AGM

⁶ SLA, AGM, Gel-Cell

⁷ SLA, AGM, EFB, Lithium-Ion, Gel-Cell

⁸ Two Year Bumper to Bumper

⁹ Made in the USA with US and Globally Sourced Parts.

¹⁰ Please call for warranty information.



Item Description:
Charger, battery, fixed

Mark No.:

2125

Page 1 of 2

EQUIPMENT CUTSHEET

ASSOCIATED® SPECIALTY MULTI-BATTERY CHARGING ACCESSORIES

Model 6075

10 Clamp Set Bus Bar

- Bus Bar set for parallel charging up to 10 batteries
- Use one or combine additional bars for added capacity
- Insulated fiberglass backboard with 10 pairs DC charging 300 Amp insulated safety clamps with 72" long 10 GA cable
- Can be mounted on a wall or bench (Bus Bar = 30"L)
- Made in USA of US and Global Components

ACCESSORIES

Model Number	Description	Shipping Dimensions (LxWxH)	Weight (Pounds) Lbs	COO	Page Number
6038C	Tester Cart for 6039, 6042, 6044, 6060B, 6068-24, 7130R	14.13"x35.13"x5.5"	41	US	29
6075	10 Clamp Set Bus Bar	31"x15"x4.63"	24	US	20
6075CB	10 Clamp Set Circuit Breaker Bus Bar	31"x15"x4.63"	25	US	20
6075S	10 Clamp Set Smart Bus Bar	31"x15"x4.63"	25	US	20
6086	10 Clamp Set Battery Charging Rack	3 Boxes	110	US	21
CO6212	Positive Cable Clamp Covers, Pair	13.25"x9"x7.25"	1	US	14
MS6209	8' Coil Cord OBDII to 12V Power Port Input	13.25"x9"x7.25"	1	CN	14
MS6209-12	12' OBDII to 12V Power Port Input Plus Cable Cover	13.25"x9"x7.25"	1	CN	14
MS6210-12	12' 12V Power Port Input/Output Plus Cable Cover	13.25"x9"x7.25"	1	CN	14



Item Description:
Charger, battery, fixed

Mark No.:

2125

Page 2 of 2

EQUIPMENT CUTSHEET

Proven Dependability.

You rely on compressed air to perform many tasks efficiently. Champion knows that reliability is one of the main reasons for a purchase. Our slow speed, built-in efficiency through design and the longest compressor warranty in the industry make Champion compressors the proven choice!

High Performance.

R- and PL-Series compressors are loaded with features designed for day-in, day-out performance. For example, Champion's unique automotive-type domed piston design allows the use of large diameter, low lift valves, while minimizing clearance volume for maximum air delivery.

Long Life.

Features such as slow speed operation, rugged cast iron crankcase construction, corrosion resistant steel valves and tapered roller-type main bearings all contribute to long life.



User-friendly Design.

A wide selection of configurations and available options, coupled with serviceability features make it easy to operate and maintain a Champion compressor. Compare all the features on the pages that follow. You'll discover why Champion is the value leader in reciprocating compressors for a broad range of automotive and industrial applications.

TANK MOUNTED DUPLEX UNITS																	
Motor HP	Tank Cap Gal.	R-Series CADRSA	Pump Comp Model	PL-Series CBDPLA	Pump Comp Model	L x W x H Dimensions inches	Aprox. Ship Wt.lbs.	125 PSI Rating*			175 PSI Rating*			250 PSI Rating*			
								RPM	CFM Displ.	CFM Del'y	RPM	CFM Displ.	CFM Del'y	RPM	CFM Displ.	CFM Del'y	
2 (2)	80	HR2D-8	R-10D	NA	NA	66¾ x 28 x 51¾	715	765	29.8	16.6	725	28.2	15.0	NA	NA	NA	
2 (2)	120	HR2D-12	R-10D	NA	NA	70½ x 28 x 55¼	940	765	29.8	16.6	725	28.2	15.0	NA	NA	NA	
3 (2)	80	HR3D-8	R-15B	HPL3D-8	PL-15A	66¾ x 28 x 51¾	725	485	28.2	21.8	440	25.6	19.4	380	22.0	16.0	
3 (2)	120	HR3D-12	R-15B	HPL3D-12	PL-15A	70½ x 28 x 55¼	950	485	28.2	21.8	440	25.6	19.4	380	22.0	16.0	
5 (2)	80	HR5D-8	R-15B	HPL5D-8	PL-15A	66¾ x 28 x 51¾	755	805	47.0	38.2	710	41.4	33.0	640	37.2	27.2	
5 (2)	120	HR5D-12	R-15B	HPL5D-12	PL-15A	70½ x 28 x 55¼	980	805	47.0	38.2	710	41.4	33.0	640	37.2	27.2	
7½ (2)	120	HR7DF-12	R-15B	HPL7DF-12	PL-15A	70½ x 28 x 55¼	1150	990	57.4	47.8	990	57.4	46.2	870	51.0	36.4	
7½ (2)	250	HR7DF-25	R-15B	HPL7DF-25	PL-15A	87½ x 32¾ x 50¼	1485	990	57.4	47.8	990	57.4	46.2	870	51.0	36.4	
7½ (2)	120	HR7D-12	R-30D	HPL7D-12	PL-30A	86½ x 28½ x 56½	1305	670	79.2	60.0	575	67.0	51.6	520	60.4	42.6	
7½ (2)	250	HR7D-25	R-30D	HPL7D-25	PL-30A	87½ x 32¾ x 61¾	1675	670	79.2	60.0	575	67.0	51.6	520	60.4	42.6	
10 (2)	250	HR10D-25	R-30D	HPL10D-25	PL-30A	87½ x 29 x 62	1725	810	94.6	74.6	740	86.2	69.6	640	74.2	55.0	
10 (2)	120	HR10D-12	R-30D	HPL10D-12	PL-30A	86½ x 29 x 57	1725	810	94.6	74.6	740	86.2	69.6	640	74.2	55.0	
15 (2)	120	HR15DF-12	R-30D	HPL15DF-12	PL-30A	91¾ x 26½ x 48¾	1860	1045	121.8	100.4	1045	127.0	98.0	900	105.0	85.2	
15 (2)	250	HR15DF-25	R-30D	HPL15DF-25	PL-30A	86½ x 29 x 57	1860	1045	121.8	100.4	1045	127.0	98.0	900	105.0	85.2	
15 (2)	250	HRA15D-25	R-40A	HPL15D-25	PL-40A	89 x 54¾ x 73½	2460	890	142.2	118.0	770	123.0	107.4	700	111.8	91.6	
20 (2)	250	HRA20D-25	R-70A	HPL20D-25	PL-70A	89 x 60½ x 75¼	2845	770	218.0	183.8	655	186.0	153.4	545	154.8	128.2	
25 (2)	250	HRA25D-25	R-70A	HPL25D-25	PL-70A	89 x 60½ x 75¼	2940	890	255.6	204.2	770	218.8	180.2	660	187.4	153.6	
30 (2)	250	HRA30D-25	R-70A	HPL30D-25	PL-70A	89 x 60½ x 75¼	3018	890	255.6	204.2	890	255.6	202.0	770	218.8	180.0	

*Pressure Lubricated units are capable of 250 PSIG operation; Units tested in accordance with CAGI/PNEUROP Acceptance Test Code PN2CPTC2.



Item Description:

Compressor, air, rec. mtd., 25 HP, dplx

Mark No.:

2168

Page 1 of 2

EQUIPMENT CUTSHEET

Splash-Lubricated R-Series

Loaded with rugged features, the R-Series splash-lubricated compressors deliver high performance, long life and tremendous value.

1 Multi-finned cylinders

Cooler operating temperatures result in longer life and consistent performance over time.

2 Integral cylinder/head

Gasketless design eliminates the possibility of blown head gaskets for trouble-free operation.

3 Balanced pistons

Aluminum alloy first-stage piston is weight-matched to the cast iron second-stage piston, ensuring proper balance.

4 Piston rings

Two compression rings and one oil control ring provide excellent oil control, and high efficiency air delivery.

5 Lightweight connecting rods

High-density, die-cast aluminum alloy rods minimize reciprocating weight. An integral, precision-bored crankpin bearing and a needle bearing for the piston pin properly distribute bearing loads for longer bearing life than bushings.

6 Pressure relief valves

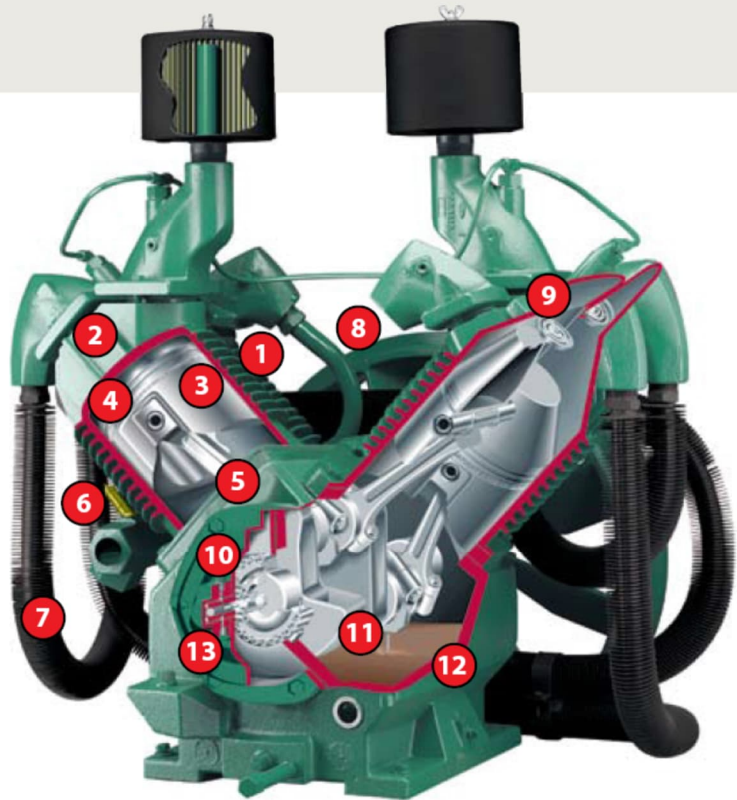
Located in interstage and discharge.

7 Intercoolers

Large-diameter finned tubing is positioned to obtain the greatest cooling effect between stages for maximum compressor efficiency.

8 Optimized cooling fan/flywheel

Precision balanced flywheel has fan blades for optimum compressor cooling and life.



9 Reliable, high-flow valves

Single-unit, disc-type valves provide low lift and long life. Discs are made of corrosion resistant Swedish steel. Valves are easily serviced by removing the manifolds only.

10 Oversized main bearings

Tapered roller-type main bearings provide full contact and support of the crankshaft plus delivers the longest possible life.

11 Balanced crankshaft

Constructed of rugged ductile iron with large diameter throws for minimum bearing loads and counterweights to minimize vibration.

12 Large capacity crankcase

Rugged cast iron oil reservoir has convenient sight gauge glass, corner oil fill boss and large oil drain.

13 Loadless starting

Positive acting, governor-type centrifugal unloader assures longer motor life by allowing the compressor to start unloaded every time.



Item Description:

Compressor, air, rec. mtd., 25 HP, dplx

Mark No.:

2168

Page 2 of 2

EQUIPMENT CUTSHEET

15" VARIABLE SPEED DRILL PRESSES



DURABILITY

- Large 2-1/4" quill allows greater accuracy
- 3" column diameter for maximum head support
- Full bearing support on quill for maximum spindle stiffness
- 6" stroke for deep hole application
- Accurate depth stop for precise hole depths
- 1/2" drill chuck & arbor

SAFETY

- CSA/CUS: Following strict guidelines and electrical requirements, these JET Drills are CSA/CUS certified
- Safety collar

EASE OF USE

- Speeds from 400 to 5000 RPM
- Handwheel adjustment sets the speeds

STANDARD EQUIPMENT

- 1/2" Drill chuck & arbor included
- Easy-to-read LED speed display



STOCK NUMBER	354550	354551
Model Number	J-A5816	J-A5818
Drills to Center Circle (in.)	15	15
Drilling Capacity Cast Iron (in.)	5/8	5/8
Drilling Capacity Mild Steel (in.)	1/2	1/2
Column Diameter (in.)	3	3
Distance Column to Spindle (in.)	7-1/2	7-1/2
Spindle Travel (in.)	6	6
Spindle Distance to Base (in.)	44-1/2	44-1/2
Max Distance Spindle to Table (in.)	25-3/4	25-3/4
Table Size (in.)	15 x 18	15 x 18
Table Travel (in.)	16-3/4	16-3/4
T-Slots Number and Size (in.)	2 & 1/2	2 & 1/2
T-Slot Centers (in.)	5-5/16	5-5/16
Work Table Weight Capacity (lbs.)	90	90
Spindle Taper	MT-2	MT-2
Range of Spindle Speeds (rpm)	400 - 5000	400 to 5000
Base Dimensions (L x W x H / in.)	20-7/16 x 14-3/16 x 3-1/8	20-7/16 x 14-3/16 x 3-1/8
Base Work Table (in.)	12-1/8 x 11-13/16	12-1/8 x 11-13/16
Base Slots Number & Size (in.)	2 & 1/2	2 & 1/2
Motor (HP)	1HP, 115/230V, 1Ph (Prewired 115V)	1HP, 230/460V, 3Ph (Prewired 230V)
Overall Dimensions (L x W x H / in.)	30 x 20 x 71	30 x 20 x 71
Net Weight (lbs.)	426	426



Item Description:
Drill press, variable speed, 15"

Mark No.:
2205
Page 1 of 1

EQUIPMENT CUTSHEET

CD 2-1050

Heatless adsorption compressed air dryers



Reliable, High-Quality Air

- ▶ Unique, worldwide experience in supplying for the most demanding applications.
- ▶ Nothing but top end components.
- ▶ Robust design (large desiccant overfill, optimum aspect ratio, low air speed).
- ▶ Built to perform across a wide range of conditions.
- ▶ Tight control and monitoring.
- ▶ Based on years of extensive research and continuous development.
- ▶ Designed using state-of-the-art tools and facilities

Dry air for demanding applications

Clean and dry compressed air: it is vital to power up your busy production environment. Containing moisture, aerosols and dirt particles, untreated compressed air poses a substantial risk as it can damage your air system and end product.

Incorporating unique, patented technological innovations and extra energy-saving options, Atlas Copco's CD dryers provide you with the clean, dry air you are in need of to expand the life of your equipment and ensure the quality of your end product.

Backed by decades of expertise, we have the know-how to offer you total solutions for your specific processes. Atlas Copco is the only company with in-house expertise in building the widest range of complete compressed air solutions from air compression to air treatment, air distribution and worldwide support.



Item Description:
Dryer, air, desiccant

Mark No.:

2222

Page 1 of 3

EQUIPMENT CUTSHEET

Technical data

CD Dryer	Inlet capacity		Inlet / outlet connections	Included filtration		
	11 bar variant at 7 bar(g)/102 psi(g)	16 bar variant at 12.5 bar(g)/181 psi(g)		Pre-filters		After-filter
	cfm		50Hz:G 60Hz:NPT	1micron 0.1 ppm	0.01micron 0.01 ppm	1 micron
CD 2	4.2	7.2	3/8"	N/A	PD9	Integrated
CD 3	6.4	10.7	3/8"	N/A	PD9	Integrated
CD 5	10.6	17.9	3/8"	N/A	PD9	Integrated
CD 7	14.8	25	3/8"	N/A	PD9	Integrated
CD 12	25.4	42.9	3/8"	N/A	PD17	Integrated
CD 17	36	60.8	1/2"	N/A	PD17	Integrated
.....						
CD 25	53	89.4	1/2"	N/A	PD32	DDp32
CD 30	63.6	107	1/2"	N/A	PD32	DDp32
CD 35	74.2	125	1/2"	N/A	PD32	DDp32
CD 50	106	179	1"	N/A	PD60	DDp60
CD 60	127	215	1"	N/A	PD60	DDp60
CD 70	148	250	1"	N/A	PD60	DDp60
CD 80	170	286	1½"	N/A	PD120	DDp120
→ CD 100	212	358	1½"	N/A	PD120	DDp120
.....						
CD 110	233	280	1½"	DD120	PD120	DDp120
CD 150	318	381	1½"	DD150	PD150	DDp150
CD 185	392	470	1½"	DD175	PD175	DDp175
CD 250	530	636	2"	DD280	PD280	DDp280
CD 300	636	763	2"	DD280	PD280	DDp280
.....						
CD 390	826	N/A	DN80	N/A	PD390	DDp390
CD 520	1102	N/A	DN80	N/A	PD520	DDp520
CD 780	1653	N/A	DN100	N/A	PD780	DDp780
CD 1050*	2225	N/A	DN125	N/A	PD1050	DDp1050



Item Description:
Dryer, air, desiccant

Mark No.:

2222

Page 2 of 3

EQUIPMENT CUTSHEET

Dimensions and weight

CD Dryer	Dimensions						Weight	
	Length		Width		Height		kg	lbs
	mm	inch	mm	inch	mm	inch		
CD 2	92	3.6	281	11.1	445	17.5	13	29
CD 3	92	3.6	281	11.1	504	19.8	14	31
CD 5	92	3.6	281	11.1	635	25.0	17	38
CD 7	92	3.6	281	11.1	815	32.1	20	44
CD 12	92	3.6	281	11.1	1205	47.4	26	58
CD 17	92	3.6	281	11.1	1598	62.9	34	75
.....								
CD 25	550	21.7	165	6.5	1191	46.9	50	111
CD 30	550	21.7	165	6.5	1191	46.9	50	111
CD 35	550	21.7	165	6.5	1436	56.6	60	133
CD 50	550	21.7	327	12.9	1191	46.9	100	222
CD 60	550	21.7	327	12.9	1191	46.9	100	222
CD 70	550	21.7	327	12.9	1436	56.5	120	266
CD 80	550	21.7	489	19.3	1191	46.9	150	333
→ CD 100	550	21.7	489	19.3	1436	56.5	180	400
.....								
CD 110	950	37.4	728	28.7	1695	66.7	340	755
CD 150	1089	42.9	848	33.4	1731	68.1	415	921
CD 185	1089	42.9	848	33.4	1731	68.1	445	988
CD 250	1106	43.5	960	37.8	1816	71.5	600	1332
CD 300	1173	46.2	1116	43.9	1854	73.0	650	1443
.....								
CD 390	1337	52.6	770	30.3	2256	88.8	800	1776
CD 520	1593	62.7	920	36.2	2300	90.6	1100	2442
CD 780	1876	73.9	1474	58.0	2300	90.6	1400	3108
CD 1050	2250	88.6	1283	50.5	2687	105.8	2000	4440



Item Description:
Dryer, air, desiccant

Mark No.:

2222

Page 3 of 3

EQUIPMENT CUTSHEET

▼ Press shown: IPE5060



- Quality welded frame for maximum strength and long life
- Exclusive "Hydra-Lift™" bed for effortless adjustment of the vertical daylight (10-ton models are manual)
- Roller head design is standard to allow movement and locking of the cylinder from side to side (10 ton, 25 ton and 30 ton are manual)
- All models in the Quick Selection Chart have been matched to a pump, cylinder, hoses and gauge, offering the complete package



H-Frame Press Gauges

All standard press models include a gauge and gauge adaptor, matching the press capacity:

Press Capacity (tons)	Gauge Model Number	Adaptor Model Number
10	GF10P	GA2
25	GF20P	GA2
30	GF35P	GA3
50	GF50P	GA2
100	GF871P	GA3
150	GF200P	GA3
200	GF200P	GA3

For more information on gauges, please refer to the System Components section.

Page: 147

Setting the Industry Standard



Cylinder Mounting Block

Allows cylinder mounting into a press frame, while also allowing side to side adjustment of cylinder position.

Page: 176



Hydra-Lift™

Allows easy, effortless daylight adjustment. Standard on most H-Frame presses.

Page: 176



Pump Mounting Bracket

Heavy-duty steel brackets allow mounting of one of the Enerpac Power Sources to power your press.

Page: 176



Gauge Included

All standard press models include a gauge and gauge adaptor, matching the press capacity.

Page: 171



V-Blocks

These optional V-Blocks are designed for easy fixturing of round stock and other non-uniform materials. Featuring precise fit into the press bolster.

Page: 176



Hoses

All standard press models come with a hydraulic hose – HC9306 with the exception of IPA1220, IPA1244 comes with hydraulic hose – HC9308 and IPA2520 comes with hydraulic hose - HC9310.

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Item Description:
Press, electric/hydraulic, 50 ton

Mark No.:

2532

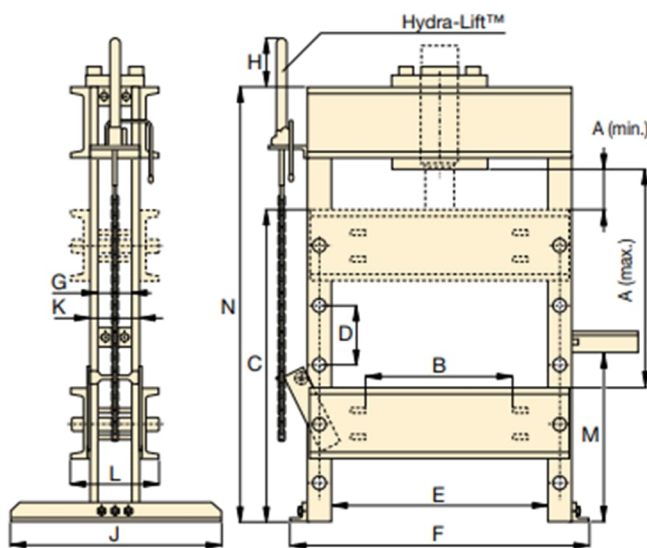
Page 1 of 3

EQUIPMENT CUTSHEET

▼ QUICK SELECTION CHART

For more technical information see next page.

Press Capacity (tons)	Maximum Vertical Daylight (in)	Maximum Bed Width (in)	Power Source					Press Model Number	Cylinder			Speed (sec/in)*	
			Type			Valve					Stroke (in)	Rapid Advance	Pressing
			Man.	Elec.	Air	Man.	Elec.						
10	40.00	18.63		●		●		IPE1215	●		10	0.90	6.70
	40.00	18.63			●	●		IPA1220	●		10	2.20	13.40
	40.00	18.63	●			●		IPH1240	●		10	{4}	{15}
	40.00	18.63	●			●		IPH1234		●	10	{2}	{15}
	40.00	18.63			●	●		IPA1244		●	10	2.20	13.40
25	54.50	29.00		●		●		IPE2505	●		6	1.50	15.40
	54.50	29.00		●			●	IPE2510	●		14	0.70	7.70
	54.50	29.00			●	●		IPA2520	●		14	5.20	30.90
	54.50	29.00	●			●		IPH2530	●		14	{5}	{34}
30	54.50	29.00			●	●		IPA3040		●	14	0.60	43.00
	54.50	29.00		●			●	IPE3050		●	14	0.90	9.80
	54.50	29.00	●			●		IPH3060		●	14	{7}	{34}
50	48.56	28.75		●			●	IPE5010	●		13	1.02	11.04
	48.56	28.75			●	●		IPA5021	●		6	1.00	74.00
	48.56	28.75	●			●		IPH5030	●		6	{2}	{38}
	48.56	28.75	●			●		IPH5031	●		6	{11}	{73}
	48.56	28.75		●		●		IPE5005	●		6	2.90	28.90
	48.56	28.75			●	●		IPA5073		●	13	1.00	22.20
	48.56	28.75		●			●	IPE5060		●	13	1.00	11.00
48.56	28.75	●			●		IPH5080		●	13	{2}	{38}	
100	41.00	35.00			●	●		IPA10023	●		10	1.90	41.20
	41.00	35.00		●			●	IPE10010	●		10	1.90	20.60
	41.00	35.00	●			●		IPH10030	●		10	{3}	{70}
	41.00	35.00		●			●	IPE10060		●	13	1.90	20.60
	41.00	35.00	●			●		IPH10080		●	6	{3}	{70}
150	48.50	48.00		●			●	IPE15065		●	13	2.20	15.40
200	48.50	48.00		●			●	IPE20065		●	13	3.10	22.10



IP Series



Capacity:

10 - 200 tons

Maximum Daylight and Width:

54.50 & 48.00 inches

Maximum Operating Pressure:

10,000 psi



Item Description:

Press, electric/hydraulic, 50 ton

Mark No.:

2532

Page 2 of 3

EQUIPMENT CUTSHEET

Press Capacity (tons)	Press Model Number	Pump Model Number	Cylinder Model Number	Page:	H-Frame Press Dimensions (in)										H-Frame Press Dimensions (in)							Weight (lbs)	Press Model Number
					A (max)	A (min)	B	C	D	E	F	G	H	J	K	L	M	N					
10	IPE1215	PEM1201B	RC1010	102	40.00	2.44	-	46.75	5.00	18.63	24.88	-	-	29.75	4.25	7.44	35.00	52.00	298	IPE1215			
	IPA1220	XA12	RC1010	125	40.00	2.44	-	46.75	5.00	18.63	24.88	-	-	29.75	4.25	7.44	35.00	52.00	160	IPA1220			
	IPH1240	P392	RC1010	86	40.00	2.44	-	46.75	5.00	18.63	24.88	-	-	29.75	4.25	7.44	35.00	52.00	158	IPH1240			
	IPH1234	P84	RR1010	88	40.00	2.44	-	46.75	5.00	18.63	24.88	-	-	29.75	4.25	7.44	35.00	52.00	189	IPH1234			
	IPA1244	XA12V	RR1010	125	40.00	2.44	-	46.75	5.00	18.63	24.88	-	-	29.75	4.25	7.44	35.00	52.00	163	IPA1244			
25	IPE2505	PUJ1200B	RC256	100	54.50	7.00	-	57.00	11.88	29.00	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	605	IPE2505			
	IPE2510	ZE3310SB-N	RC2514	115	54.50	7.00	-	57.00	11.88	29.00	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	697	IPE2510			
	IPA2520	XA12	RC2514	125	54.50	7.00	-	57.00	11.88	29.00	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	610	IPA2520			
	IPH2531	P80	RC2514	88	54.50	7.00	-	57.00	11.88	29.00	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	620	IPH2531			
	IPA3071	PAM1042	RR3014	121	54.50	7.00	-	57.00	11.88	29.00	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	684	IPA3071			
30	IPE3060	ZE3410SB-N	RR3014	115	54.50	7.00	-	57.00	11.88	29.00	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	722	IPE3060			
	IPH3080	P84	RR3014	88	54.50	7.00	-	57.00	11.88	29.00	40.50	4.00	13.25	30.00	5.25	10.69	26.50	76.00	664	IPH3080			
	IPE5010	ZE4320SB-N	RC5013	115	48.56	7.06	18.76	54.00	10.38	28.75	42.75	5.00	8.75	36.00	7.25	14.38	30.75	76.00	1,040	IPE5010			
	IPA5021	PAM1022	RC506	121	48.56	7.06	18.76	54.00	10.38	28.75	42.75	5.00	8.75	36.00	7.25	14.38	30.75	76.00	968	IPA5021			
	IPH5030	P462	RC506	86	48.56	7.06	18.76	54.00	10.38	28.75	42.75	5.00	8.75	36.00	7.25	14.38	30.75	76.00	968	IPH5030			
50	IPH5031	P80	RC506	88	48.56	7.06	18.76	54.00	10.38	28.75	42.75	5.00	8.75	36.00	7.25	14.38	30.75	76.00	926	IPH5031			
	IPE5005	PUJ1200B	RC506	100	48.56	7.06	18.76	54.00	10.38	28.75	42.75	5.00	8.75	36.00	7.25	14.38	30.75	76.00	930	IPE5005			
	IPA5073	ZA4408MX	RR5013	126	48.56	7.06	18.76	54.00	10.38	28.75	42.75	5.00	8.75	36.00	7.25	14.38	30.75	76.00	1,057	IPA5073			
	IPE5060	ZE4420SB-N	RR5013	115	48.56	7.06	18.76	54.00	10.38	28.75	42.75	5.00	8.75	36.00	7.25	14.38	30.75	76.00	1,051	IPE5060			
	IPH5080	P464	RR5013	88	48.56	7.06	18.76	54.00	10.38	28.75	42.75	5.00	8.75	36.00	7.25	14.38	30.75	76.00	1,003	IPH5080			
100	IPA10023	ZA4208MX	RC10010	126	41.00	5.50	20.00	51.00	11.69	35.00	51.00	5.75	8.75	36.00	8.75	17.25	33.13	76.00	1,650	IPA10023			
	IPE10010	ZE4320SB-N	RC10010	115	41.00	5.50	20.00	51.00	11.69	35.00	51.00	5.75	8.75	36.00	8.75	17.25	33.13	76.00	1,722	IPE10010			
	IPH10030	P462	RC10010	86	41.00	5.50	20.00	51.00	11.69	35.00	51.00	5.75	8.75	36.00	8.75	17.25	33.13	76.00	1,656	IPH10030			
	IPE10060	ZE4420SB-N	RR10013	115	41.00	5.50	20.00	51.00	11.69	35.00	51.00	5.75	8.75	36.00	8.75	17.25	33.13	76.00	1,743	IPE10060			
	IPH10080	P464	RR1006	88	41.00	5.50	20.00	51.00	11.69	35.00	51.00	5.75	8.75	36.00	8.75	17.25	33.13	76.00	1,665	IPH10080			
150	IPE15065	ZE5420SG-N	RR15013	115	48.50	12.50	28.00	54.50	10.00	48.00	67.17	9.12	3.09	44.00	13.12	21.85	47.75	90.00	3,906	IPE15065			
200	IPE20065	ZE5420SG-N	RR20013	115	48.50	12.50	28.00	54.50	10.00	48.00	67.17	9.12	3.09	44.00	13.12	21.85	47.75	90.00	3,906	IPE20065			

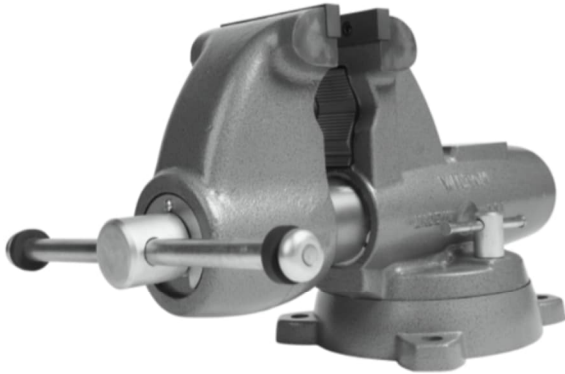


Item Description:
Press, electric/hydraulic, 50 ton

Mark No.:
2532
Page 3 of 3

EQUIPMENT CUTSHEET

Combination Pipe And Bench 5" Jaw Round Channel Vise with Swivel Base



Specifications

Stock Number	28827
Jaw Depth (In.)	5/8
Jaw Height (In.)	1
Jaw Width (In.)	5
Number of Mounting Points	4
Opening Capacity Max (In.)	7-7/8
Pipe Jaw #	2900830
Prop 65	Cancer
Serrated Jaw Inserts #	2903240
Throat Depth (In.)	5-1/2
Type of Base	360 Degree Swivel

Features

- ✓ Hardened steel replaceable jaw inserts are machine serrated for a safe and secure grip under maximum torque
- ✓ Large anvil designed to take a beating while forming and shaping materials
- ✓ Locking swivel base with double lockdowns for non-slip hold in any position
- ✓ Longer spindle nut ensures smooth movement and a stronger straight-line pull
- ✓ Massive cast iron vise body is virtually indestructible, weighing up to 30% more than competing models
- ✓ Precision slide bar eliminates movement in the front jaw regardless of opened distance
- ✓ Replaceable steel pipe jaws hold up to 6" pipe safely and securely
- ✓ Sealed construction keeps lubrication in and contaminants out for a lifetime of smooth operation

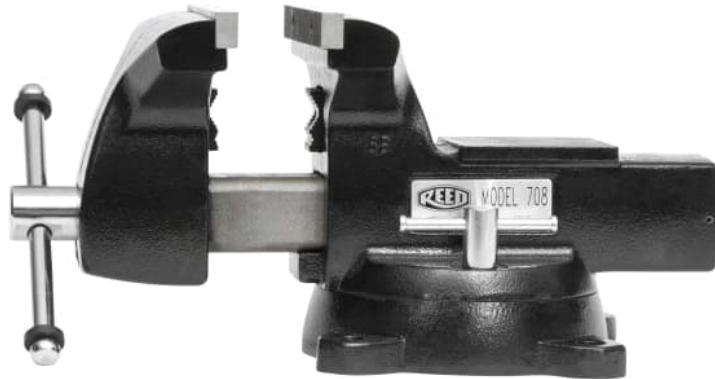


Item Description:
Vise, combination, swivel base, 5"

Mark No.:
2832
Page 1 of 1

EQUIPMENT CUTSHEET

01389 - 706 - MID-LINE VISES



Features

- Vise with heavy-duty, cast iron main body parts.
- Throat depth of vise is designed for use with pipe.
- Hardened, reversible, replaceable steel jaws with machined serrations.
- Enclosed, lubricated spindle design.
- Straight-line pull, unbreakable nut.
- 360 degree, slip-proof swivel base with double lockdowns.
- Built for a lifetime of service.

Catalog No.: 706

Item Code: 01389

WHERE TO BUY »

Specifications	
Throat Depth	
in	mm
4.10	104
Jaw Width	
in	mm
6	152
Jaws Open	
in	mm
5.7	146
Pipe Capacity in-nom.	
1/4 - 3 1/2	
Weight	
lbs	kg
61.0	27.7



Item Description:
Vise, combination, swivel base, 6"

Mark No.:
2835
Page 1 of 1

EQUIPMENT CUTSHEET

Millermatic® 355

Issued Aug. 2023 • Index No. DC/12.95

**MIG Power Source,
Wire Feeder and Gun Package**



Quick Specs

Industrial Applications

General manufacturing
General fabrication
Maintenance and repair

Processes

MIG (GMAW)
Pulsed MIG (GMAW-P)
Flux-cored (FCAW)

Input Power 3- or 1-phase, 208/240/460/575 V, 50/60 Hz

Rated Output 310 A at 29.5 V, 60% duty cycle

Amperage Range 20–400 A (3-phase and 1-phase 460/575 V),
20–350 A (1-phase, 208/240 V)

Net Weight Machine only: 99 lb. (45 kg)
Machine with running gear: 163 lb. (74 kg)

Easy to Use. Versatility. Mobility.



The Millermatic 355 gives you power, precision, simplicity and versatility. It MIG and pulsed-MIG welds mild steel, aluminum or stainless in thicknesses from 22 gauge to 1/2 inch. Advanced features make it easy for welders of any skill level to be productive and get great results. And because the Millermatic 355 operates on either single-phase or three-phase AC input power, it can work anywhere you do.



Heavy-duty aluminum four-drive-roll system.



Millermatic 355 with MIG gun package shown.



Easy-to-use machine
addresses issues due to lack of skilled labor.



Welds a variety of materials and thicknesses to help increase productivity.



Capable of welding in various conditions and workplaces, to go anywhere you need it to weld.



Item Description:
Welder, MIG, wire feed, portable, w/ cart

Mark No.:
2900
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EQUIPMENT CUTSHEET

Millermatic® 355 Features and Benefits

Easy to Use



Pulsed MIG setup screen

Connection screen for MIG process using C10 gas

Easy-to-understand interface with 7-inch color LCD display ensures proper machine setup and parameter selection, reducing setup time and increasing weld time.

- Quick-access backlit Auto-Set and Pulse buttons above the LCD display illuminate when active.
- Soft-key buttons below the display change function depending on which screen is displayed. Makes setup or change quick, easy and intuitive.
- Large text for easier readability.
- Intuitive connection setup images.
- Full troubleshooting descriptions versus help errors and look up codes.

Auto-Set™ Elite offers predefined weld settings to increase ease of use and ensure that the job is done right for operators of all skill levels.

- Available for MIG and pulsed MIG processes with the ability to fine-tune your settings.
- Set weld parameters by selecting wire and gas type, wire diameter and material thickness.



Program mode allows easy save and recall of favorite weld settings.

- Delivers greater productivity by eliminating the need to manually set or change parameters.
- Deliver consistent quality by welders of all skill levels by using prequalified weld settings.
- Minimize supervisor need to intervene.



Trigger program select increases productivity by eliminating the need to go back to machine to change weld settings. Simply tap gun trigger to select the program.



Bernard BTB Gun 300 A MIG gun with AccuLock™ S consumable system

features a dual-locked, front-loading liner that optimizes wire feedability.

- Install AccuLock contact tips with a single turn.
- AccuLock liner locks at front and back of gun to align with contact tip and power pin for a flawless wire feed path.
- Durable, ergonomic handle improves grip and comfort.



Optional demo cable kit (sold separately) powers the display through USB to train users in a quiet conference room or showroom versus connecting to shop power in a noisy work environment.



Item Description:
Welder, MIG, wire feed, portable, w/ cart

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EQUIPMENT CUTSHEET

Versatility



Capabilities include MIG, pulsed MIG and use of MIG, push-pull or spool guns.

Compatible with push-pull MIG guns. Increases productivity by allowing the use of 12-inch wire spools versus a spool gun's 4-inch spools. Reduces downtime changing wire spools.

Auto-Gun Detect™ automatically adjusts voltage, wire speed and timers for faster switching between MIG, push-pull and spool guns.

Single- or three-phase input power provides versatility to utilize any North American power (208, 240, 460, 575 V).



Input voltage selection switch located in the wire drive compartment provides the ability to manually switch input voltage. An error message will be displayed if the wrong input voltage is utilized.



Generator compatible. The Millermatic 355 will be able to operate and provide full output when powered by generators with 19,000-watt (19 kW) output or higher. Limited output will occur when used with smaller generators.

Pulsed MIG welding delivers higher quality welds for ALL welders.

- Lower heat input for less distortion on thin materials and better puddle control on out-of-position welds.
- Less spatter minimizes post weld grinding and rework allowing more welding time.
- Perform welding applications that couldn't be done in the past.
- Ideal for MIG welding aluminum and stainless steel.



Best For	Standard Spray	Pulsed MIG	Short Circuit
Gap Filling	D	B	A
Low Heat Input	D	B	A
Out-of-Position Welds		A	B
Low Spatter	A	A	C
Thick Metals	A	A	D
Thin Metals		B	A
Increased Travel Speed	A	A	B
Aluminum MIG Welding	C	A	C

Ratings A, B, C, and D are relative values. An "A" rating indicates a best fit between your performance needs and process. A "blank" rating indicates that the process is not recommended for that application.

Mobility



Easy to maneuver or integrate within the work cell.

Optional EZ-Latch™ running gear

EZ-Latch running gears are available in single cylinder and dual cylinder models (included with package or can be ordered separately). Operators no longer need to lift machine AND running gear into the truck. Latches secure machine to running gear. Simply loosen the latch retaining knob and rotate latches to disengage machine from running gear for easy portability. Cylinder racks feature bottle forward technology for increased stability when moving along an incline and running gears have built-in storage for accessories. Dual cylinder model includes an elevated gun and cable rack to keep cables off the floor and tangle free.



Item Description:
Welder, MIG, wire feed, portable, w/ cart

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EQUIPMENT CUTSHEET

Specifications (Subject to change without notice.)

CV **DC** **3** **1**
Phase Phase

Input Power	Voltage Range in CV Mode	Welding Amperage Range	Rated Output	Amps Input at Rated Output, 60 Hz					KVA	KW	Max. Open-Circuit Voltage	Wire Feed Speed	Wire Type and Diameter	Dimensions	Net Weight
3-phase	12–34 V	20–400 A	310 A at 29.5 V, 60% duty cycle	32.3	28.8	18.2	15.4	15.3	11.5		90 VDC	50–800 ipm (1.3–20.3 m/min.)	Steel: .035–.045 in. (0.9–1.2 mm) Stainless: .023–.045 in. (0.6–1.2 mm) Aluminum: .035–.047 in. (0.9–1.2 mm) Flux-cored: .035–.045 in. (0.9–1.2 mm) Metal core: .045–.052 in. (1.2–1.3 mm) Silicon bronze: .030–.035 in. (0.8–0.9 mm)	Machine only H: 19.25 in. (489 mm) W: 13.75 in. (349 mm) D: 26.25 in. (667 mm) Machine with running gear H: 32 in. (813 mm) W: 13.75 in. (349 mm) D: 45 in. (1,143 mm)	Machine only 99 lb. (45 kg) Machine with running gear 163 lb. (74 kg)
1-phase, 460 or 575 V	12–34 V	20–400 A	310 A at 29.5 V, 60% duty cycle	—	—	35.6	32.3	15.0	11.1						
1-phase, 208 or 240 V	12–32 V	20–350 A	310 A at 29.5 V, 60% duty cycle	69.6	62.5	—	—	15.0	11.1						

 Certified by Canadian Standards Association to both the Canadian and U.S. Standards.



951926
Machine with
MIG gun
package

Comes complete with:

- Power source with 9 ft. (2.7 m) industrial power cord
- 15 ft. (4.5 m) 300-amp Bernard® BTB MIG gun with Bernard® AccuLock™ S consumables for .035/.045 in. (0.9/1.2 mm) wire
- 10 ft. (3 m) work cable with clamp and 50 mm Dinse-style connector
- Flow gauge regulator and gas hose for argon or AR/CO₂ mix
- .035/.045 in. (0.9/1.2 mm) reversible drive rolls
- Extra .035 and .045 in. (0.9 and 1.2 mm) contact tips
- Material thickness gauge
- EZ-Latch™ single cylinder running gear
- Chain to secure gas cylinder



Item Description:
Welder, MIG, wire feed, portable, w/ cart

Mark No.:
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EQUIPMENT CUTSHEET

Genuine Miller® Accessories



EZ-Latch™ Single Cylinder Running Gear 301449

Running gear with a single cylinder rack and storage compartment. Latches secure machine to cart. Simply rotate latches to disengage machine from cart for easy portability.

EZ-Latch™ Dual Cylinder Running Gear 951769

Similar to above, but with a dual cylinder rack which allows operator to easily store two gas cylinders. Includes elevated gun and cable rack (shown below) to keep cables off the floor and tangle free.



EZ-Latch™ Dual Cylinder Rack with Elevated Gun and Cable Rack 301481

Converts an EZ-Latch single cylinder running gear into a dual cylinder rack to easily store two gas cylinders. Gun and cable rack keeps cables off the floor and tangle free. (Included with EZ-Latch dual cylinder running gear.)



Demo Cable Kit 289696

Demo cable kit will power the front display through the USB. Powered via the supplied 115-volt adapter.

MIG Gun



Bernard® BTB Gun 300 A with AccuLock™ S Consumables Q3015AE4VMA 15 ft. (4.6 m)
Industrial 300-amp MIG gun with consumables for .035 in. (0.9 mm) wire.

Order through Bernard Customer Service at 1-855-MIGWELD (1-855-644-9353).

Spool Guns



Spoolmatic® 15A Spool Gun 195156
Spoolmatic® 30A Spool Gun 130831

Ideal for aluminum welding jobs. Air-cooled, one-pound spool gun with 15-foot (4.6 m) or 30-foot (9.1 m) cable assembly. Rated at 200 amps at 100 percent duty cycle. For detailed information, see Spoolmatic literature M/1.73.



Spoolmate™ 200 Spool Gun 300497

Reliable and economical spool gun perfect for hobbyists and light fabricators who weld aluminum. Handles .030–.035 inch (0.8–0.9 mm) aluminum wires and .023–.035 inch (0.6–0.9 mm) steel/stainless steel wires. Rated at 160 amps, 60 percent duty cycle with 20-foot cable assembly. For detailed information, see Spoolmate literature M/1.47.

Optional Spoolmate™ 200 Head Tubes

300591 45-degree head tube
300592 9-inch extension head tube
243385 5-inch head tube

Push-Pull Guns



XR-Aluma-Pro™ Push-Pull Guns

301568 15 ft. (4.6 m)

301569 25 ft. (7.6 m)

Air-cooled gooseneck-style gun for .030–.047 inch (0.8–1.2 mm) aluminum. Rated at 300 amps at 100 percent duty cycle.



XR-Aluma-Pro™ Lite Push-Pull Gun

300948 25 ft. (7.6 m)

Air-cooled gooseneck-style gun for .030–.047 inch (0.8–1.2 mm) aluminum. Rated at 175 amps at 60 percent duty cycle.



XR™-Pistol-Pro Push-Pull Guns

300782 15 ft. (4.6 m), air-cooled

300783 25 ft. (7.6 m), air-cooled

Air-cooled pistol-grip gun for .030–.047 inch (0.8–1.2 mm) aluminum. Rated at 200 amps at 100 percent duty cycle.

U-Grooved Aluminum Drive Roll and Accessory Kits for XR-Aluma-Pro Push-Pull Guns

195311 .035 in. (0.9 mm)

195313 .047 in. (1.2 mm)

Kits include Millermatic U-grooved drive rolls, nylon wire guides and contact tips.



Item Description:

Welder, MIG, wire feed, portable, w/ cart

Mark No.:

2900

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EQUIPMENT CUTSHEET

Ordering Information

Power Source and Options	Stock No.	Description
Millermatic® 355	907808	3- or 1-phase, 208/240/460/575 V, 50/60 Hz
Millermatic® 355 with MIG Gun Package	951926	Includes EZ-Latch™ single cylinder running gear
Millermatic® 355 with Aluma-Pro Gun Package	951927	Includes EZ-Latch™ single cylinder running gear
Accessories		
EZ-Latch™ Single Cylinder Running Gear	301449	Running gear with single cylinder rack
EZ-Latch™ Dual Cylinder Running Gear	951769	Running gear with dual cylinder rack and elevated gun and cable rack
EZ-Latch™ Dual Cylinder Rack with Elevated Gun and Cable Rack	301481	Upgrades single cylinder rack to dual (included with EZ-Latch dual cylinder running gear)
Demo Cable Kit	289696	
Guns		
Bernard® BTB Gun 300 A with AccuLock® S Consumables	Q3015AE4VMA	15 ft. (4.6 m), 250 A, .035 in. (0.9 mm) wire. Order through Bernard Customer Service at 1-855-MIGWELD (1-855-644-9353)
Spoolmatic® 15A Spool Gun	195156	15 ft. (4.6 m), 200 A, .030–.047 in. (0.8–1.2 mm) for aluminum wire
Spoolmatic® 30A Spool Gun	130831	30 ft. (9 m), 200 A, .030–.047 in. (0.8–1.2 mm) for aluminum wire
Spoolmate™ 200 Spool Gun	300497	20 ft. (6 m), 160 A, .030–.035 in. (0.8–0.9 mm) for aluminum wire, .023–.035 in. (0.6–0.9 mm) for steel/stainless steel wire
Optional Spoolmate™ 200 Head Tubes		See page 6
XR-Aluma-Pro™ Guns (air-cooled)	301568 301569	15 ft. (4.6 m), 300 A, .030–.047 in. (0.8–1.2 mm) for aluminum wire 25 ft. (7.6 m), 300 A, .030–.047 in. (0.8–1.2 mm) for aluminum wire
XR-Aluma-Pro™ Lite Gun (air-cooled)	300948	25 ft. (7.6 m), 175 A, .030–.047 in. (0.8–1.2 mm) for aluminum wire
XR™-Pistol-Pro Guns (air-cooled)	300782 300783	15 ft. (4.6 m), 200 A, .030–.047 in. (0.8–1.2 mm) for aluminum wire 25 ft. (7.6 m), 200 A, .030–.047 in. (0.8–1.2 mm) for aluminum wire
Consumables		
Contact Tips		See page 7
Replacement Liners		See page 7
Nozzles		See page 7
Drive Rolls		See page 6 for gun drive rolls and page 7 for machine drive rolls



Item Description:
Welder, MIG, wire feed, portable, w/ cart

Mark No.:
2900
Page 6 of 6

Date:

Heavy-Duty Cutting, Welding & Heating



Cuts up to 8 inches (203 mm) with optional tips

Welds up to 1/2 inch (13 mm) with optional tips

These premium heavy-duty outfits feature our proven in-tip gas mixing technology and **include torch-mount flashback arrestors**. This combination greatly improves operator safety and increases torch life. The outfits feature rugged, highly accurate brass regulators. Outfits with Series 40™ regulators feature 2.5-inch (Series 30™, 2-inch) corrosion-resistant gauges and shatter-resistant polycarbonate lenses. Outfits are complete with safety and operations manual.

Note: Welding may require additional equipment depending on which outfit is ordered. See chart below.



Torches are covered by our lifetime warranty when used with authentic Miller-Smith tips.

Regulators are covered by a three-year limited warranty.



Note: All outfits packaged in outfit box shown above. Cutting capacity with tips supplied in acetylene outfits is up to 1-1/4 inches (32 mm).

Stock Number	Fuel Gas	Torch Handle	Cutting Attachment	Cutting Tip	Welding Tip	Heating Tip	Oxygen Regulator	Fuel Gas Regulator	Includes
HBA-40510	Acetylene	WH200A	SC209	SC12-1 SC12-2	SW205	ST602	40-175-540 CGA 540	40-15-510 CGA 510	25-ft. (7.6 m) 1/4-in. (6 mm) twin hose, lighter, safety glasses, tip cleaner, H743 torch-mount flashback arrestors, operations manual
HBA-40300								40-15-300 CGA 300	
HBA-30510	Acetylene	WH200A	SC209	SC12-1	SW205	ST602	30-100-540 CGA 540	30-15-510 CGA 510	Propane/Propylene (LP/MP) outfits include 20-ft. (6.1 m) 1/4-in. (6 mm) "T" grade hose and check valves, not flashback arrestors
HBA-30300								30-15-300 CGA 300	
HBA-30510LP	Propane or Natural Gas	WH200A	SC209	SC40-1	—	ST615	30-100-540 CGA 540	30-50-510 CGA 510	
HBA-30510MP	Propylene	WH200A	SC209	SC60-1	—	ST815			



Item Description:

Welder, oxy-acetylene, portable, w/ cart

Mark No.:

2920

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EQUIPMENT CUTSHEET

Date:



SPECIFICATIONS

Zoro #: G3120241 | Mfr #: 552-16FW

Overall Depth: 12-1/2"

Wheel Bearings: Ball

Load Capacity: 780 lb.

Max. Tank Dia. Acetylene: 12-1/2"

Tool Tray Width: 24"

For Use With: Welding Cylinders and Torches

Base Plate Dimensions: 13 x 24"

Max. Tank Dia. Oxygen: 9-1/2"

Material: steel

Wheel Diameter: 16"

Includes: Chain to Secure Cylinder, Firewall, Toolbox

Wheel Width: 4"

Overall Height: 62"

Overall Width: 35"

Standards: OSHA 1910.253

Wheel Type: Pneumatic

Finish: Powder Coated

Cylinder Capacity: 2

Tool Tray Height: 5"

Item: Welding Cylinder Truck

Hand Truck Handle Type: Continuous Frame

Country of Origin (subject to change): United States

Welding Cylinder Truck, Overall Height 62 In., Overall Width 35 In., Overall Depth 12-1/2 In., Load Capacity 780 lb., Cylinder Capacity 2, Max. Tank Dia. Acetylene 12-1/2 In., Max. Tank Dia. Oxygen 9-1/2 In., Tool Tray Height 5 In., Material Steel, Powder Coated Finish, Tool Tray Width 24 In., Base Plate Dimensions 13 x 24 In., Wheel Bearings Ball, Wheel Type Pneumatic, Wheel Diameter 16 In., Wheel Width 4 In., Hand Truck Handle Type Continuous Frame, For Use With Welding Cylinders and Torches



Item Description:

Welder, oxy-acetylene, portable, w/ cart

Mark No.:

2920

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EQUIPMENT CUTSHEET

Hose Reels, 9000 Series • Vehicle Exhaust Removal



OVERVIEW:

Monoxivent's Hose Reels are the premier solution for vehicle exhaust fume extraction. Hose Reels offer a convenient and efficient method for extracting harmful emissions from all types of service areas. A variety of tailpipe adapters attach to all types of vehicles. Hose Reels are either Motor Operated or Manual Spring Retractable. The Reels are offered in standard 4-, 5-, 6-, and 8-inch hose diameters. The Reels are supplied completely assembled and ready for installation. The Reels may be connected with ductwork to a central exhaust system or each reel may be supplied with a direct mount fan.

FEATURES:

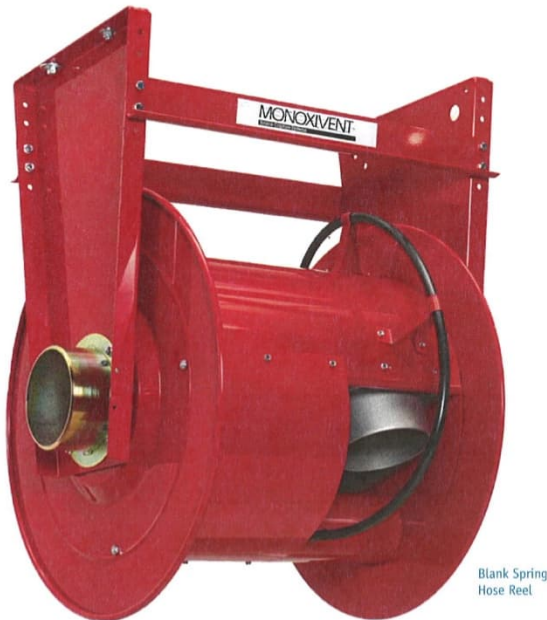
- Spring- or Motor-Operated Hose Reels
- 4", 5", 6", 8" high-temperature silicone nomex or medium-temperature polyester hose standard
- A variety of other hose options are available for special applications

BENEFITS:

- Easy storage and retraction of hose, while competitively priced - motor reel controlled with standard wall-mount switch or optional hanging pendant switch; Wireless radio remote control also available

APPLICATIONS:

- Auto Dealerships, Motorcycle Shops, Light Equipment Repair, Garage Settings, High Ceiling/Bay Applications, Any indoor location where internal combustion engines are run



Blank Spring
Hose Reel



Motor Operated Hose Reel, with 4000 Series Exhaust Hose - Chain Drive Tube Type Motor

MONOXIVENT
Source Capture Systems

1306 Mill St., Rock Island, IL 61201
TF Phone: 877-608-4383

www.monoxivent.com
info@monoxivent.com



Item Description:

Reel, vehicle exhaust, motor operated, w/ 6" hose

Mark No.:

3304

Page 1 of 3

EQUIPMENT CUTSHEET

Hose Reels, 9000 Series • Vehicle Exhaust Removal

Spring Hose Reels



Spring Operated Hose Reel, with 5000 Series Exhaust Hose

Motor Hose Reels



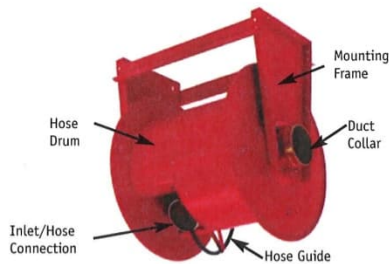
Motor Operated Hose Reel, with 4000 Series Exhaust Hose - Direct Drive Motor

9000, 9000-W SERIES

4-, 5-, 6-, 8-inch Diameter Hose

- Designed for manual extension and spring return of the flexible exhaust hose
- Manually uncoil hose to desired length and lock, when finished unlatch and hose recoils automatically

Reel Breakdown: 9000, 9000-W



Model	Hose Dia.	Hose Capacity	Drum Dia.	Drum Width
9000	4", 5", 6"	25'	18"	20"
9000-W	4", 5", 6"	40'	25"	33"
9000-W	5", 6"	35'	25"	33"
9000-W	6"	24'	25"	39"

Note, Models above are standard. Models are shown with either 4000 or 5000 Series Hose and may be Spring Retractable or Motor Operated. Other hose options are available.



Motor Operated Hose Reel, with 4000 Series Exhaust Hose - Chain Drive Tube Type Motor (shown with hinged cover open)

9000-MTR, 9000-W-MTR SERIES

4-, 5-, 6-, 8-inch Diameter Hose

- Direct Drive Planetary Gear Motor or Chain Driven Tube Type Motor
- Direct Drive: 120-volt, 1-phase or 220-volt, 1-phase
- Tube Type: 120-volt, 1-phase
- Motor operated by spring rocker switch or by optional 2- or 4-button hanging pendant or radio remote control
- Reel equipped with manual override on motor

MONOXIVENT
Source Capture Systems

1306 Mill St., Rock Island, IL 61201
TF Phone: 877-608-4383

www.monoxivent.com
info@monoxivent.com



Item Description:

Reel, vehicle exhaust, motor operated, w/ 6" hose

Mark No.:

3304

Page 2 of 3

EQUIPMENT CUTSHEET

Hose Reels, 9000 Series • Vehicle Exhaust Removal

Hose Reel Options: 9000, 9000-W

Many options are available with the Monoxivent Hose Reel, including:

DMS-HR	Direct Mount Switch to Reel for Fan On/Off
RC	Remote Control for Operation of Motor HR
P2	2-Button Pendulum Switch for Up/Down Control of Motor HR
P4	4-Button Pendulum Switch for Up/Down Control of Motor HR and On/Off Fan Control
DMHR	Direct Mount to Hose Reel D-Series Blower

Hose Reel Mounting: 9000, 9000-W

Monoxivent Hose Reels may be mounted in three positions: from an overhead support structure, from a side support structure, or on the floor. Ceiling mounts are most common, however wall mounts and floor mounts are options when overhead space is not available.

Tailpipe Adapters: 9000, 9000-W

The 23827 and TCA are the most common Tailpipe Adapters for hose reel systems. However, a wide variety of other styles, configurations, and options are available.

The 23827 has an oval body constructed of 600-degree F heavy wall neoprene rubber. The 23827 is available for 3" and 4" diameter hose.

The TCA (Tapered Cone Adapter) is constructed of stainless steel and fits hose sizes of 4", 5", 6", and 8" (larger sizes available).

A variety of other adapter options are available.

DMHR-Fan: 9000, 9000-W

The D-Series Blower is used for direct mounting to reels and is direct drive, utilizing a radial type wheel. The housing and wheel are spark-proof and constructed of cast aluminum. The fan is available in either 0.5 HP or 1.0 HP. The standard motor is TEFC and is available in a variety of voltage/phase configurations and larger horse power motors. D Series Blowers can be configured to mount independently of hose reels.

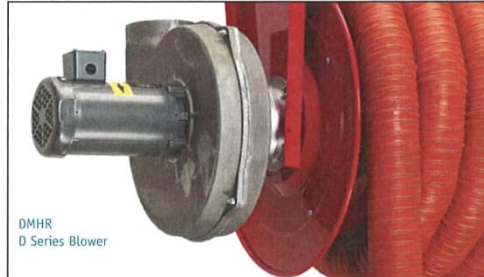
Exhausting Hose Options: 9000, 9000-W

4000 Series

The Series 4000 Hose serves as Monoxivent's most common hose for vehicle exhaust source capture. The hose easily withstands temperatures at 600-degrees F and is ideal for use with hose reels or overhead exhaust systems. The 4000 Series Hose has exceeded 600-degrees F during certified testing and has met an intermittent temperature rating of 1250-degrees F. The 4000 hose also meets Military Spec. 62028 for temperature rating (1000-degrees F for 72 hours).

5000 Series

The Series 5000 Hose is a versatile option and may be used for Hose Reels, overhead exhaust systems, underground systems, welding, industrial use, light-duty material handling, and agricultural use. The 5000 hose withstands temperatures up to 500-degrees F.



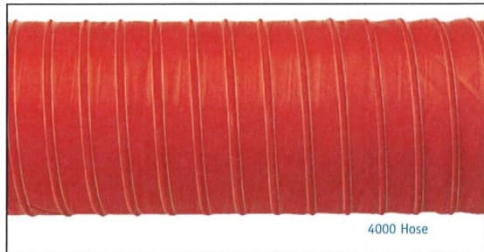
DMHR
D Series Blower



23827



TCA



4000 Hose



5000 Hose

MONOXIVENT
Source Capture Systems

1306 Mill St., Rock Island, IL 61201
TF Phone: 877-608-4383

www.monoxivent.com
info@monoxivent.com



Item Description:

Reel, vehicle exhaust, motor operated, w/ 6" hose

Mark No.:

3304

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EQUIPMENT CUTSHEET

T600

INDUSTRIAL-STRENGTH FLOOR SCRUBBER

Delivering exceptional cleaning performance and reliability even in the toughest environments.



Item Description:
Scrubber, floor, walk-behind, electric

Mark No.:
3357
Page 1 of 3

EQUIPMENT CUTSHEET

T600 CONTROL PANEL



Pro-Membrane™ (Standard)

- 1-step™ start button
- 3 down pressure settings
- 4 water flow settings
- Quiet-Mode™ (as low as 62 dBA)
- Supervisor lockout mode
- Fault code display, BDI LEDs
- 3 Zone Settings™

SMART-FILL™ AUTOMATIC BATTERY WATERING

Smart-Fill is the first on-board battery watering system that automatically fills batteries correctly, at the best time in the charging cycle and with minimal human intervention, making battery maintenance easy and virtually worry-free.



- **Scrub longer between empty and fill cycles** with large-capacity 32 gal/ 121 L solution tank and 37 gal/140 L recovery tank.
- **Clean virtually any hard floor surface** with a wide range of cleaning heads, including an orbital option.
- **Maximize battery life and run-time** with the optional Smart-Fill™ automatic battery watering system.
- **Help prevent breakdowns and simplify preventative maintenance** with easy-to-identify yellow maintenance touch points.
- **Simplify operation and training** with easy-to-understand controls featuring variable speed control bail, propel toggle and speed setting within easy reach.
- **Withstand the toughest environments** with industrial grade construction featuring corrosion-resistant scrub deck and rust-proof polyethylene body and tanks.



Item Description:
Scrubber, floor, walk-behind, electric

Mark No.:
3357
Page 2 of 3

EQUIPMENT CUTSHEET

	DUAL DISK		
	28 IN / 700 MM	32 IN / 800 MM	36 IN / 900 MM
SCRUBBING SYSTEM			
Productivity (per hour) Theoretical Max	36,960 ft ² / hr 3,434 m ² / hr	42,240 ft ² / hr 3,924 m ² / hr	47,520 ft ² / hr 4,415 m ² / hr
Estimated Coverage* – Conventional	24,005 ft ² / hr 2,230 m ² / hr	27,698 ft ² / hr 2,573 m ² / hr	31,391 ft ² / hr 2,916 m ² / hr
Estimated Coverage* – ec-H2O NanoClean®	28,863 ft ² / hr 2,681 m ² / hr	33,304 ft ² / hr 3,094 m ² / hr	34,964 ft ² / hr 3,248 m ² / hr
BRUSH DRIVE SYSTEM			
Scrub motor	2 x 36 VDC, 1.0 hp / 0.75 kW	2 x 36 VDC, 1.0 hp / 0.75 kW	2 x 36 VDC, 1.0 hp / 0.75 kW
Brush Pad RPM	300 rpm	300 rpm	300 rpm
Brush down pressure	Low: 100 lbs / 45 kg	100 lbs / 45 kg	100 lbs / 45 kg
	Med: 150 lbs / 68 kg	150 lbs / 68 kg	150 lbs / 68 kg
	High: 200 lbs / 90 kg	200 lbs / 90 kg	200 lbs / 90 kg
	Heavy Duty (optional):	300 lbs / 136 kg	
SOLUTION/RECOVERY SYSTEM			
Solution tank capacity	32 gal / 121 L	32 gal / 121 L	32 gal / 121 L
Recovery tank capacity	37 gal / 140 L	37 gal / 140 L	37 gal / 140 L
Vacuum motor	36 VDC, 0.75 hp .56 kW, 15.6 A	36 VDC, 0.75 hp .56 kW, 15.6 A	36 VDC, 0.75 hp .56 kW, 15.6 A
Vacuum water lift	50 in / 1,270 mm	50 in / 1,270 mm	50 in / 1,270 mm
CLEANING TECHNOLOGY			
Conventional	Standard	Standard	Standard
ec-H2O NanoClean®	Optional	Optional	Optional
BATTERY SYSTEM			
System Voltage	36 volt	36 volt	36 volt
Battery Types			
Wet 240AH–6 required	Standard	Standard	Standard
Wet 360AH–6 required	Optional	Optional	Optional
Sealed 210AH Thin Plate Pure Lead–3 required**	Optional	Optional	Optional
Battery run time Wet 360AH (up-to hours)***	5.4	5.3	5.3
Smart-Fill™ Automatic Battery Watering Tank Capacity (Option)	1.1 gal / 4 L	1.1 gal / 4 L	1.1 gal / 4 L
PROPELLING SYSTEM			
Scrubbing speed	3.0 mph / 4.8 kph	3.0 mph / 4.8 kph	3.0 mph / 4.8 kph
Transport speed	3.3 mph / 5.3 kph	3.3 mph / 5.3 kph	3.3 mph / 5.3 kph
MACHINE SPECIFICATIONS			
Length	63.7 in / 1,617 mm	65.8 in / 1,671 mm	69.3 in / 1,761 mm
Width	30.1 in / 764 mm	33.7 in / 856 mm	37.6 in / 955 mm
Height	43.6 in / 1,107 mm	43.6 in / 1,107 mm	43.6 in / 1,107 mm
Squeegee width	38.3 in / 973 mm	41.3 in / 1,049 mm	46.6 in / 1,234 mm
Aisle turnaround width	65 in / 1,650 mm	67 in / 1,700 mm	70 in / 1,775 mm
Weight (with heaviest batteries)	1,033 lb / 470 kg	1,036 lb / 471 kg	1,040 lb / 473 kg
GVW	1,301 lb / 591 kg	1,304 lb / 593 kg	1,308 lb / 595 kg
Sound level (operator's ear)****	69.5 dBA	69.5 dBA	69.5 dBA
Quiet-Mode™ (operator's ear)****	62.2 dBA	62.2 dBA	62.2 dBA



Item Description:
Scrubber, floor, walk-behind, electric

Mark No.:
3357
Page 3 of 3

EQUIPMENT CUTSHEET

CLEAN-O-MATIC™



SPRAY
NOZZLE

3-WAY
CLEANING
ACTION

5
MODEL
STYLES

Included In All Clean-O-Matic™ Models

- A Pistol grip spray nozzle
- B Extra long Stay-Put flexible metal flush hose
- C Adjustable bi-level work shelves
- D Safety lid
- E Three-way cleaning action selector valve
- F Washable 40 mesh screen solvent filter
- G Hydro-Jet Manifold in-tank agitation
- H Drain plug
- I Optional - removable soak/sludge trays
- J Rugged 16 gauge powder-coated steel construction
- K Abrasive-resistant pump

THE INDUSTRY STANDARD FOR MORE THAN 50 YEARS

Ruggedly constructed for years of trouble-free solvent cleaning service. These feature-packed models offer a variety of design elements to make your cleaning tasks quicker and more efficient while remaining flexible enough to suit most cleaning challenges. All Clean-O-Matics are certified cETLus.

The 5 Clean-O-Matic™ models progress in size and power from the 300-A, with a 1/8 horsepower pump and 42-gallon capacity, to the 902-A, with two 1/3 horsepower pumps and 117-gallon capacity.



Item Description:
Tank, parts cleaning, solvent, medium

Mark No.:
3560
Page 1 of 3

EQUIPMENT CUTSHEET

New Names for Old Friends

With the introduction of the UL1204 models comes some slight tweaks to the units. There were enough changes to them that a name change was necessary.

Old Name	New Name
300	COM304
500	COM504
800	COM804
900	COM904
902	COM924

New Friends

With the move to 1204, we also took the opportunity to add a longer version of the 500/COM504. We have called this new model the COM604. For more information, see below.

Standard Features - All Models

- Pistol grip spray nozzle is adjustable for light spray or solid stream – direct where cleaning and rinsing of parts is needed
- Available in both 115V (-A) and 230V (-B)
- Extra-long Stay-Put flexible metal flush hose for directed hands-free flushing action
- Adjustable bi-level work shelves
- Safety lid shuts automatically in the event of a fire – can also be closed to reduce fluid evaporation
- Hydro-Jet Manifold in-tank agitation loosens dirt and grime as parts soak (except 304)
- Three-way cleaning action selector valve (all models except 304) permits use of hydro-jet manifold for in-tank agitation, pistol grip spray nozzle or flush hose cleaning actions individually or in combination
- Washable 40 mesh screen solvent filter
- Drain plug
- Optional removable soak/sludge trays keep soaking parts off bottom – makes sludge removal easier
- Rugged 16-gauge minimum welded steel tank leak tested for 24 hours after welding with powder-coat finish for durability and long-life
- Graymills abrasive-resistant pump has no bearings/seals immersed in fluid – extends pump life
- Freeboard compliant when lower shelves are installed and fully extended

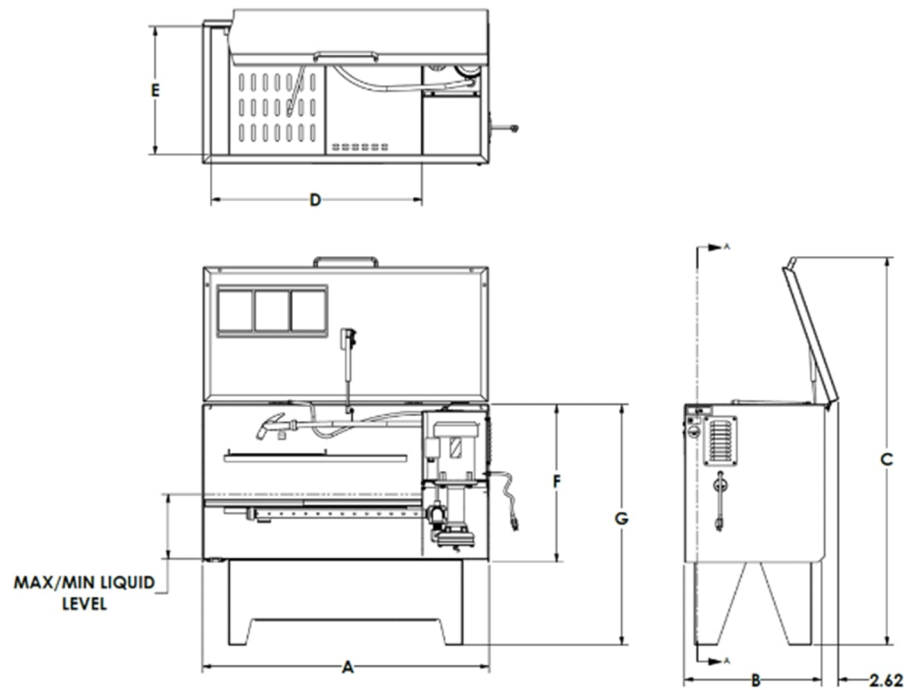


Item Description:
Tank, parts cleaning, solvent, medium

Mark No.:
3560
Page 2 of 3

EQUIPMENT CUTSHEET

Machine Specifications



MODEL	A	B	C	D	E	F	G	MAX	MIN
COM304	44"	21"	58.13"	32.38"	19.63"	23.63"	37"	10"	5.13"
COM504	44"	21"	58.13"	32.38"	19.63"	23.63"	37"	10"	5.13"
COM604	60"	21"	58.13"	48.38"	19.36"	23.63"	37"	10"	5.13"
COM804	41.38"	29.31"	66.14"	29.76"	29.5"	29.5"	37"	15"	9"
COM904	49"	30"	67.13"	37.35"	32.35"	32.35"	37"	17"	6.13"
COM924	49"	30"	67.13"	37.35"	32.35"	32.35"	37"	17"	6.13"

Part Washer Drain Shelves

Best used with **Econo**, **Handi-Kleen™**, and **Clean-O-Matic** Units

Accessory shelves designed to provide a working platform that allows cleaned parts to drain while directing run-off into tank. Shelves mount externally to maintain critical workspace. Made from 16 gauge steel.



ITEM	FOR USE WITH					
	ECONO	HANDI-KLEEN	300	500	800	900/902
L-6			✓	✓	✓	
L-61	✓	✓				



Item Description:
Tank, parts cleaning, solvent, medium

Mark No.:
3560
Page 3 of 3

EQUIPMENT CUTSHEET

Spencer

Industravac® Series B Stationary & Mobile Models



Spencer Industravac Series B stationary model shown. Mobile models also available.

Performance Data

Volume (SCFM)	Vacuum (In. Hg)	Motor HP	Catalog Number		Shipping Weight (lb.)
			Stationary	Mobile	
300	8.0	15	SB-715B	PB-715B	1135
400	6.9	15	SB-615B	PB-615B	1125
420	4.9	10	SB-410B	PB-410B	1050
430	8.4	20	SB-720B	PB-720B	1160
520	5.7	15	SB-515B	PB-515B	1115
600	4.4	15	SB-415B	PB-415B	1105
610	6.1	20	SB-620B	PB-620B	1150

Performance based on 70 °F inlet temperature at sea level.

Materials of Construction

- Casing, separator, base, dirt can: ASTM A1011 hot-rolled steel
- Impellers: 5052-H34 aluminum
- Shaft: AISI-1045 hot-rolled bar steel
- Finish: epoxy primer with Spencer blue urethane topcoat

Product Features

Vacuum Producer

Multistage centrifugal
Standard overhung direct drive
6" tubing upblast exhaust (diffuser on mobile)
Average sound pressure level: 83 dBA at 3 ft.
Factory performance tested

Motor

10, 15 or 20 HP, 3500 rpm
208-230/460 or 575 volt, 3 phase, 60 Hz
Open drip-proof
Bearing life: 100,000 hours (L-10)

Separator

Tubular bag separator, shaker type: 30" diameter
Multiple inverted filter bags: Quantity 19
Filter bag area: 75 sq. ft.
Filter bag material: Cotton sateen (Part No. BVA90061)
Filter bag diameter: 5" (Cat. No. 5445-N)
External manual bag shaker
Large, hinged inspection door
Removable dirt can, cam actuated, capacity: 4½ cu. ft.
Average filtration efficiency: 99.9% at 3 microns

Axial inlets with target plate:

Stationary: primary inlet – 5" tubing with sleeve
secondary inlet – inlet valve
(Part No. VLV90083) for
1½" diameter hose
Mobile: two inlet valves (Part No. VLV90083)
for 1½" diameter hose

Base

Stationary: common frame with mounting pads
Mobile: large molded rubber tires
NEMA 1 across-the-line starter
50 ft. electrical cable

Available Options

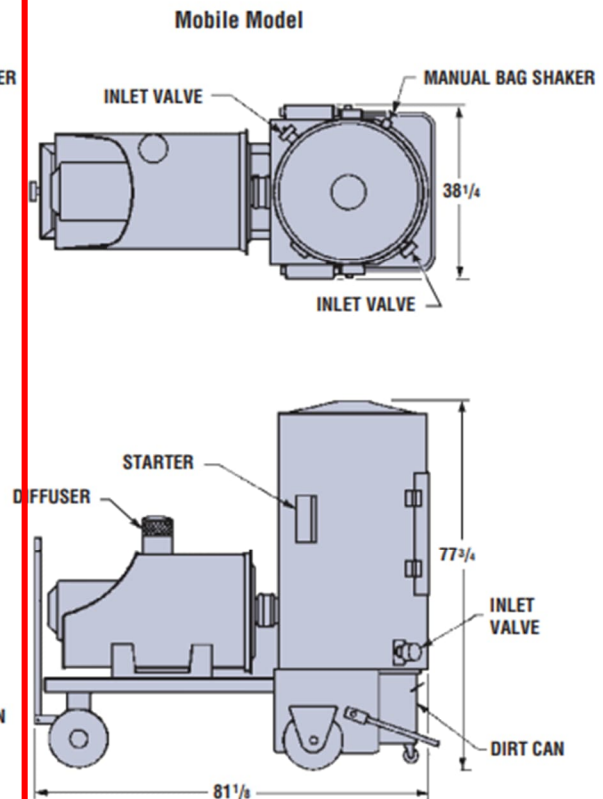
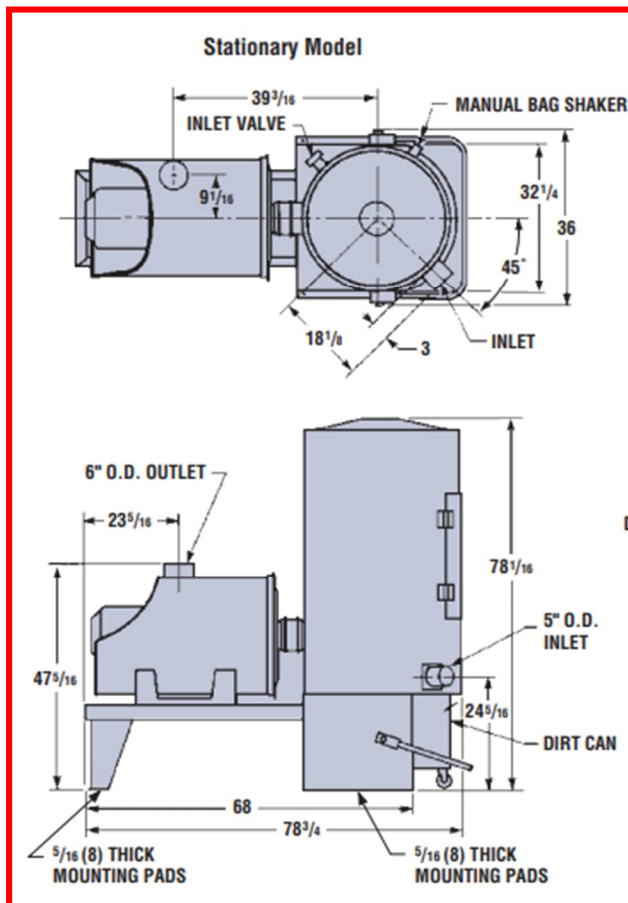
TEFC and explosion-proof motors
Special motor voltages
NEMA 4, 7 and 9 starter enclosures
Grounded filter bags
Other filter bag materials
Dirt can liners (with equalizing line)
Discharge silencer
Discharge throttling valve
Inlet valve (Part No. VLV90100) for 2" diameter hose
4" threaded inlet to accommodate larger than 2" valve
Motorized bag shaker
Explosion relief vent
Rear primary inlet position



Item Description:
**Vacuum system, central, vehicle, four station
simultaneous (stationary)**

Mark No.:
3622
Page 1 of 2

EQUIPMENT CUTSHEET



Performance Data	Motor Data	Separator Filter Data
Volume (SCFM) _____	HP _____ RPM _____	Area: 75 sq. ft. _____
Vacuum (In. Hg) _____	Voltage _____	Bag Quantity: 19 _____
Discharge Pressure (PSIA) _____	Phase _____ Hz _____	Bag Catalog No.: 5445-N _____
Inlet Temperature (°F) _____	Enclosure _____	Bag Material: _____



Item Description:
Vacuum system, central, vehicle, four station
simultaneous (stationary)

Mark No.:
3622
Page 2 of 2

EQUIPMENT CUTSHEET



HWE Series

Hot-Water Pressure Washers

#1 in North America for
High-Pressure Cleaning Equipment

Electric / Belt-Driven

Industrial-duty **Magnetic Motor Starter** for long life of reliable starting.

Four quick-coupler **Nozzles** are made of hardened stainless steel and mounted for ready access.

Heavy-duty **Upper and Lower Cabinet** is protected by an epoxy powder coat finish.

Motor and pump are mounted on a **Power Platform** with four vibration isolators to minimize shaking and stress on the frame.

With the switch in the 'ON' position, the **Auto Start** function allows the unit to be turned on with the pull of the trigger for convenient remote operation.

Inlet Filter strainer protects pump from debris.

50 ft. of double-wire braid **High Pressure Hose** rated for up to 5000 PSI and with 24-inch **Hose Guard** for burst protection and swivel **Crimp Fitting** for tangle-free handling of hose and trigger gun.



Safety **Low-Water Float Switch** protects heating elements from burn out due to lack of water.

Easy-to-attach **detergent Injector** for easy soap application.

Contains nine high-efficiency **Heating Elements** that do not come in contact with the pressurized water, resulting in reduced scale build up, lower maintenance, and longer life.



Water is heated in a **Stainless Steel Coil** submerged in a tank of water solution for efficient heat transfer and instant hot water with the pull of the trigger; a **layer of oil** rests on the surface of the tank water solution for additional retention of heat and to prevent evaporation.

Insulated, fatigue-free **Trigger Gun** with stainless steel, dual-lance **Variable Pressure Wand** make for easy cleaning and adjusting the pressure while washing.

FEATURES

- Up to 4.0 GPM / Up to 3000 PSI
- Up to 7.5 HP motor
- Stainless Steel Coil
- 7-yr. Pump / 5-yr. Coil Warranty



Heater coil carries a 5-year warranty



Hotsy-designed Triplex pumps carry a 7-year limited warranty

www.Hotsy.com

Nothing Cleans Like a Hotsy!



Item Description:
Washer, pressure, hot water, electric

Mark No.:
3722
Page 1 of 5

EQUIPMENT CUTSHEET

HWE Series Hot Water Pressure Washers

■ All Electric / Belt Drive ■ Up to 4.0 GPM / up to 3000 PSI ■ 7 yr. Pump / 5 yr Coil Warranty ■ Stainless Steel Coil

Designed for tough, industrial cleaning.

SPECIFICATIONS

MODEL	GPM	PSI	HP	MOTOR	AMPS	VOLT / PH	KWH	BTU/HR	PUMP	DRIVE	HOSE	SHIP WT (lbs)
HWE-402009C	4.0	2000	6.2	Baldor	55.2	460/3	40.5	138,308	HM4030R.3	Belt	50'	620
HWE-403009C	3.5	3000	7.5	WEG	59	460/3	40.5	138,308	HM4030R.3	Belt	50'	640
HWE-402009F	3.5	2000	5	Baldor	46	575/3	40.5	138,308	HM4030R.3	Belt	50'	620
HWE-403009F	3.5	3000	7.5	Baldor	49	575/3	40.5	138,308	HM4030R.3	Belt	50'	640

Dimensions: 34"L x 25"W x 52"H

DON'T FORGET THE SOAP!

THE DIRTY DOZEN

DETERGENTS

Hotsy pressure washers clean best when matched with specially formulated Hotsy detergents. Nearly all contain Hotsy's exclusive advanced-formula HCC additives to help prevent scale build-up and to fight corrosion in your equipment. All are highly concentrated, so a little goes a long way. Here are our top category leaders:

- 1. BREAKTHROUGH!** Hotsy's all-purpose detergent
- 2. TRANSPORT VEHICLE WASH** Our economical vehicle detergent
- 3. RIPPER I** Hotsy's best heavy-duty degreaser
- 4. HOTSY BROWN** Our best for oil field cleaning
- 5. ALUMINUM BRIGHTENER** Our best seller for aluminum
- 6. VERDE ALL PURPOSE** Environmentally-friendly Green Cleaner
- 7. SALT LICK** Salt and de-icing Solution
- 8. CARBOCHLOR** #1 Choice for cleaning food preparation areas
- 9. CON-B-GONE** Removes green concrete from Trucks and Tools
- 10. TUBMATE GEN. PURPOSE** Heavy-duty parts washer detergent
- 11. FAT CAP BRICK** Liquid graffiti remover
- 12. CITRUS CLEAN** Intensifies the cleaning action of any Hotsy soap



What's the best detergent for your next job? Find out with our solution selector. Scan this QR code or visit HOTSY.com

OPTIONS FOR HWE SERIES

- Stainless Steel Power Platform

PARTS & ACCESSORIES

Your local Hotsy dealer would be happy to provide an onsite demonstration to determine which pressure washer accessories will help speed cleaning & lower your costs. Hotsy dealers stock thousands of pressure washer replacement parts such as high pressure hose, trigger guns, high pressure nozzles, pumps, engines, motors, unloaders, filters and wands. In addition, you'll find a number of accessories designed to speed cleaning, the most common accessories are telescoping wands, pivot and non-pivot hose reels, flat surface cleaners and high pressure turbo nozzles.



SERVICE & REPAIR

Hotsy has more than 175 local dealers in North America, all factory-trained to properly evaluate your high-pressure cleaning needs.

Hotsy has factory-trained service technicians who will provide on-site maintenance for your cleaning equipment. Our techs have most common replacement parts on their service truck, and will quickly have your washer running smoothly.



FIND OUT MORE ONLINE: HOTSY.COM



Item Description:
Washer, pressure, hot water, electric

Mark No.:

3722

Page 2 of 5

EQUIPMENT CUTSHEET



- **PSI: 5000**
- **GPM: 10.5**
- **Temperature: 320°F**
- 3/8" FPT inlet x 1/4" FPT outlet
- Weight: 20 oz



Part No.	Description
8.751-235.0	Hotsy Gun

4 & 5 Pack Color Coded QC Nozzle Sets



Nozzles Sets, contain a complete set of 4 quick coupler nozzles 0°, 15°, 25°, and 40°.

The 5 pack includes one 40 x 65° soap nozzle

4-Pack

Orifice	Part No.	Orig. No.
3.5	8.708-712.0	259700
4.0	8.708-713.0	259701
4.5	8.708-714.0	259702
5.0	8.708-715.0	259703
5.5	8.708-716.0	259704
6.0	8.708-717.0	259705
6.5	8.708-718.0	259706

5-Pack

Orifice	Part No.	Orig. No.
3.0	8.708-719.0	799620
3.5	9.104-014.0	799621
4.0	8.708-721.0	799622
4.5	9.104-015.0	799623
5.0	8.708-723.0	799624
5.5	8.708-724.0	799625
6.0	8.708-725.0	799626
6.5	8.708-726.0	799627
7.0	8.711-267.0	799628

HOTSY Hot Water Lance

Hotsy quality through and through. Superior heat protection with zytel insulated grips.



- **PSI: 4000**
- **Temperature: 220°F**

- 1/4" plated steel pipe
- 1/4" threads
- Zytel insulated grips

Part No.	Original No.	Description
8.711-274.0	936610	15" Lance w/ Grip
8.711-312.0	878910	36" Lance w/ Nozzle Protector
8.711-269.0	878917	36" Lance w/ Grip & Side Handle
8.725-388.0	936647	48" Lance w/ Grip & Side Handle
8.710-677.0	936642	60" Lance w/ Grip
8.710-683.0	936643	79" Lance w/ Grip



Part No.	Orig. No.	Description
8.905-562.0	565191	Nozzle Holder Kit
8.710-343.0	349917	Grommets - 7/16" x 15/16" x 3/8"



Item Description:
Washer, pressure, hot water, electric

Mark No.:

3722

Page 3 of 5

EQUIPMENT CUTSHEET

Ultima 1-Wire 3000 PSI Black Hose (wrapped)

Part No.	Original No.	Description	Approx Wt-lbs
3/8" Black Hose			
8.739-373.0	153550	15' x 3/8" ID	5.0
8.739-142.0	153555	25' x 3/8" ID	7.0
8.901-513.0	153560	30' x 3/8" ID	
8.739-143.0	153570	50' x 3/8" ID	13.0
8.739-144.0	153575	75' x 3/8" ID	19.0
8.739-145.0	153590	100' x 3/8" ID	25.0
8.739-146.0	153595	150' x 3/8" ID	37.0
8.724-047.0*	153000	Per Foot	

*Full Reel - 450 ft, hose only, 50 ft incremental lengths (max 3 pieces)

1/2" Black Hose

8.739-420.0	155425	25' x 1/2" ID	7.50
8.739-421.0	155450	50' x 1/2" ID	14.00
8.739-422.0	155475	75' x 1/2" ID	21.00
8.739-423.0	155499	100' x 1/2" ID	27.00
8.724-067.0*	155400	Per Foot	

*Full Reel - 350 ft, hose only, 50 ft incremental lengths (max 3 pieces)

1/4" Black Hose

8.901-418.0	151025	25' x 1/4" ID	5.00
8.901-423.0	151030	30' x 1/4" ID	6.00
8.901-427.0	151050	50' x 1/4" ID	10.00
8.901-429.0	151075	75' x 1/4" ID	15.00
8.901-430.0	151090	100' x 1/4" ID	20.00
8.724-065.0*	151000	Per Foot	

*Full Reel - 800 ft, hose only, 50 ft incremental lengths (max 3 pieces)

Draft Diverters & Rain Caps



- Prevents backdrafts, keeps cold air out
- Prevents water from running down vent pipes
- Fits on standard stove pipe
- Hot dipped galvanized

Part No.	Original No.	Description
8.717-764.0	924889	8" Oil Fired, Barometric Dampener
8.717-728.0*	835526	8", Round Gas-Fired
9.801-040.0*	835525	10", Round Gas-Fired
8.717-730.0*	835531	12", Round Gas-Fired

Rain Caps

8.717-731.0	7-10033	10", Exhaust Stack, Cap
8.717-732.0	7-10034	12", Exhaust Stack, Cap

*Available from Springdale and Camas

Stainless Steel Bay Accessories

Foam Brush Boom Holder, Wand Holders, Mat Clamps.

Part No.	Orig. No.	Description
8.708-880.0	260600	Standard Foam Brush Holder
8.708-881.0	260605	Rigid Wall Mount Wand Holder
8.708-882.0	260606	Flex Bottom Wall Mount Wand Holder
8.708-883.0	260610	Mat Clamp

Hotsy Hose Reels



Features a sturdy, lockable 360° pivot design. Numerous mounting options. These patented pivot reels are always aligned with the hose for tangle-free pressure washing. Rated at 5000 PSI and 325°F.



Part No.	Description	Length
8.750-486.0	Pivot Reel	100' x 3/8"
8.750-483.0	Pivot Reel	200' x 3/8"
8.750-478.0	Fixed Based	100' x 3/8"
8.750-481.0	Fixed Based	200' x 3/8"

NOTE: Hose not included



- Precision brass design
- Unrestricted free flow
- 4000 PSI
- Stainless steel band for increased durability

Brass Couplers, designed for 4000 PSI and extended durability. Affordable and rugged all in one.

Part No.	Original No.	Description	Part No.	Original No.	Description
9.802-164.0	826169	1/4" FNPT	9.802-165.0	826170	1/4" MNPT
9.802-166.0	826176	3/8" FNPT	9.802-169.0	2-2003	3/8" MNPT
8.916-538.0	Case of 200 (of 9.802-164.0) - 1/4" FNPT		8.916-542.0	Case of 200 (of 9.802-165.0) - 1/4" MNPT	
8.916-537.0	Case of 200 (of 9.802-166.0) - 3/8" FNPT		8.916-541.0	Case of 200 (of 9.802-169.0) - 3/8" MNPT	



Item Description:
Washer, pressure, hot water, electric

Mark No.:
3722
Page 4 of 5

EQUIPMENT CUTSHEET

Boom Body and Swivel Assembly



This is the main component of the system. It comes with your choice of [mounting options](#).

Swivel Inlet Hose



This hose connects your water source to the swivel assembly.

Boom Arm



The 5' boom arm allows for a total swing of 12 feet. It also includes a convenient hose-saving spring end to keep your hoses from chafing or breaking. Longer boom arms are available upon request.

Boom Arm Hose



This hose feeds through the boom arm to connect to your wand.

Lo-Tork Swivel



Made from brass, the Lo-Tork swivel provides 360 degrees of rotation, which eliminates hose twisting and kinking.



Item Description:

Washer, pressure, hot water, electric

Mark No.:

3722

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EQUIPMENT CUTSHEET

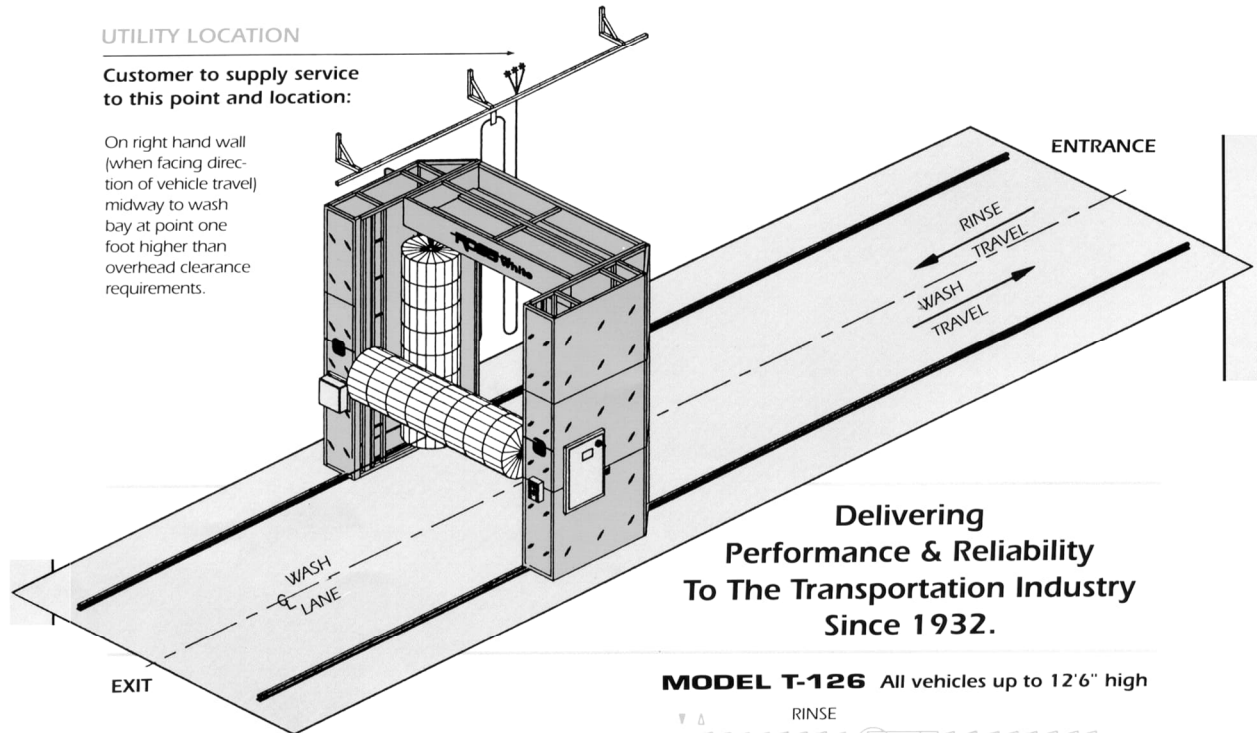


SPECIFICATIONS

UTILITY LOCATION

Customer to supply service to this point and location:

On right hand wall (when facing direction of vehicle travel) midway to wash bay at point one foot higher than overhead clearance requirements.



**Delivering
Performance & Reliability
To The Transportation Industry
Since 1932.**

VEHICLE HEIGHT CAPACITIES

#T-126	All vehicles up to 12'6" high
#T-146	All vehicles up to 13'6" high

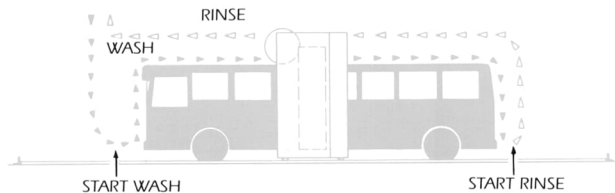
WASH BAY REQUIREMENTS

LENGTH	20'0" (plus longest vehicle)
WIDTH	17'0"
HEIGHT	16' 6" MODEL T-126 17' 6" MODEL T-146

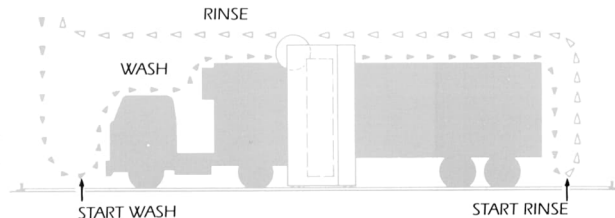
UTILITY SERVICE REQUIREMENTS

WATER	1" supply 40-60 PSIG (25 GPM)
AIR	1/2 supply @ 90 PSIG
POWER	220/440 volts 3 PH 60 Hz 30 AMP service
DRAIN	3" minimum

MODEL T-126 All vehicles up to 12'6" high



MODEL T-146 All vehicles up to 13'6" high



Item Description:
Washer, vehicle, gantry

Mark No.:

3819

Page 1 of 1

EQUIPMENT CUTSHEET



4-Hour Bi-Directional Fire Rated Building Systems, Models "4FR" and "4FRE"

For added protection and site flexibility, the Safety Storage™ heavy-duty 4-Hour Bi-Directional Fire Rated Hazardous Material Storage Buildings are fabricated from heavy gauge sheet steel, galvanized sheet steel, structural channel, and UL Classified fire-resistive gypsum wall board resulting in a four-hour (4 hr.) bi-directional fire rating per Underwriters Laboratories Fire Resistance Rating Design (Standard U490).

Accessories:

- Fire Suppression System
- Ramp
- Interior Shelving
- Eyewash Unit
- Temperature Control Units (Air conditioning, and Heater)

Overall Dimensions: 144" W x 72" D x 104" H

Model Series	Fire Rating	Damage Limiting Construction	Length (Increases by 2' Increments)	Width (Increases by 2' Increments)	Height
S	Non Combustible	No	8' to 50'	6' to 14'	8'8"
SE	Non Combustible	Yes	8' to 50'	6' to 14'	8'8"
FS	2 Hour Uni-Directional	No	8' to 50'	6' to 14'	8'8"
FSE	2 Hour Uni-Directional	Yes	8' to 50'	6' to 14'	8'8"
FR	2 Hour Bi-Directional	No	8' to 50'	6' to 14'	8'8"
FRE	2 Hour Bi-Directional	Yes	8' to 50'	6' to 14'	8'8"
4FR	4 Hour Bi-Directional	No	8' to 50'	6' to 14'	8'8"
4FRE	4 Hour Bi-Directional	Yes	8' to 50'	6' to 14'	8'8"



Item Description:
Building, storage, hazmat, prefabricated

Mark No.:
4010
Page 1 of 1

EQUIPMENT CUTSHEET

BVA-34

800 Amp Variable Load Battery/Electrical System Tester

Applications 6V & 12V Automotive & Commercial Starting Batteries. 12V & 24V Starting and Charging Systems.

6 Volt Tests Battery Check and Load Test

12 Volt Tests Battery Check and Load Test, Alternator Stator/Diodes & Regulation Test, Starter Draw Test, Manual Voltage Drop Test

24 Volt Tests Alternator Stator/Diode & Regulation Test, Starter Draw Test

Carbon Pile Load 12 Volt 800 Amp

Carbon Pile Load 6 Volt 400 Amp

Battery CCA Range 0-1600

Alternator Test Yes

Stator Diode Test Yes

Starter Draw Test Yes

External Volt Leads Yes

Amp Probe Yes

15 Sec Timer Yes

Voltage Drop Test Manual

Cooling 5" Fan

Display LCD Digital

Volt Scale 0-19.99 & 20-199.9 Auto Ranging

Weight 25 lbs.



Item Description:
Tester, battery

Mark No.:

4670

Page 1 of 1

EQUIPMENT CUTSHEET



Haws
AXION®

model 8300CRP-8309CRP

MSR Combination Shower and Eye/Face Wash

FEATURES & BENEFITS

CONSTRUCTION

1-1/4" IPS Schedule 40 hot-dipped galvanized steel pipe and fittings along with a powder-coated cast-iron 9" (22.9 cm) diameter floor flange all coated with green epoxy paint to improve the supplied protection and provide an increased toughness in a long lasting corrosion resistant product.

VALVES

Eyewash and shower ball valves are designed to make the flushing of contaminants occur with the simple pull of a lever or push of a stainless steel flag. Both valves come equipped with stainless steel ball and stem to provide greater protection against corrosion and breakage.

STRAINERS/FILTERS

Chrome-plated brass in-line 50 x 50 mesh water strainer prevents debris from reaching the eyewash so the unit stays functioning at its best. Strainer is easily serviceable.

SHOWERHEAD

AXION® MSR ABS plastic drench showerhead uses a hydrodynamic design to give equal distribution of water throughout the entire footprint of flow.

EYE/FACE WASH

AXION® MSR eye/face wash head uses an inverted directional laminar flow to sweep contaminants away from the vulnerable nasal cavity.



SPECIFICATIONS

Model 8300CRP-8309CRP combination shower and eye/face wash shall include a stainless steel 11" (27.9 cm) round bowl, an AXION® MSR eye/face wash head shall feature inverted directional laminar flow which achieves Zero Vertical Velocity™ supplied by an integral 3.7 gpm flow control. Unit shall also include the AXION MSR hydrodynamic designed ABS plastic showerhead with 20 gpm flow control, chrome-plated brass stay-open ball valve equipped with stainless steel ball and stem, and chrome-plated brass in-line 50 x 50 mesh water strainer. Unit shall also include Schedule 40 hot-dipped galvanized steel pipe and fittings with a cast-iron 9" (22.9 cm) diameter floor flange, all with green corrosion resistant epoxy coating, yellow plastic pop-off dust cover for eyewash head, self-adhesive high visibility safety green and bright yellow stripes, universal sign, and 1-1/4" NPT supply.

OPTIONS

- ☐ Scald Protect Bleed Valve: Model SP157A, stainless steel scald protection bleed valve. Automatic thermal actuator bleed valve opens when internal water temperature reaches 98° F (36.7° C) and closes at 95° F (35° C).
- ☐ Thermostatic Mixing Valve: Model 9201E AXION® Emergency Tempering Valve thermostatically mixes hot and cold water to provide a safe fluid supply for emergency showers and eyewash equipment, with a flow rate of 31 gpm (117.3 L).
- ☐ Emergency Alarm System: Model 9001, 1-1/4" 120 VAC emergency alarm and light system. Buzzer and flashing light are activated by an 1-1/4" double pole, double throw flow switch.
- ☐ Dust Cover: Model 9102 is a stainless steel cover that protects the eyewash heads as well as the bowl. (Picture shows cover mounted to an eyewash.)

For more information, visit www.hawsco.com or call (888) 640-4297.

APPLICATIONS

Where the eyes or body of any person may be exposed to injurious or corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body shall be provided within the work area for immediate emergency use. Emergency eyewash facilities and deluge showers shall be in unobstructed and accessible locations that require no more than 10 seconds for the injured person to reach. Model 8300CRP-8309CRP is certified by CSA to meet the ANSI Z358.1 Standard for Emergency Eyewash and Shower Equipment.



1455 Kleppe Lane :: Sparks, NY 89431 :: p. 775.359.4712 :: f. 775.359.7424 :: e. info@hawsco.com :: www.hawsco.com :: 22 July, 2020

DISCLAIMER: Continued product improvements make specifications subject to change without notice. Check www.hawsco.com for the latest product information and updates.



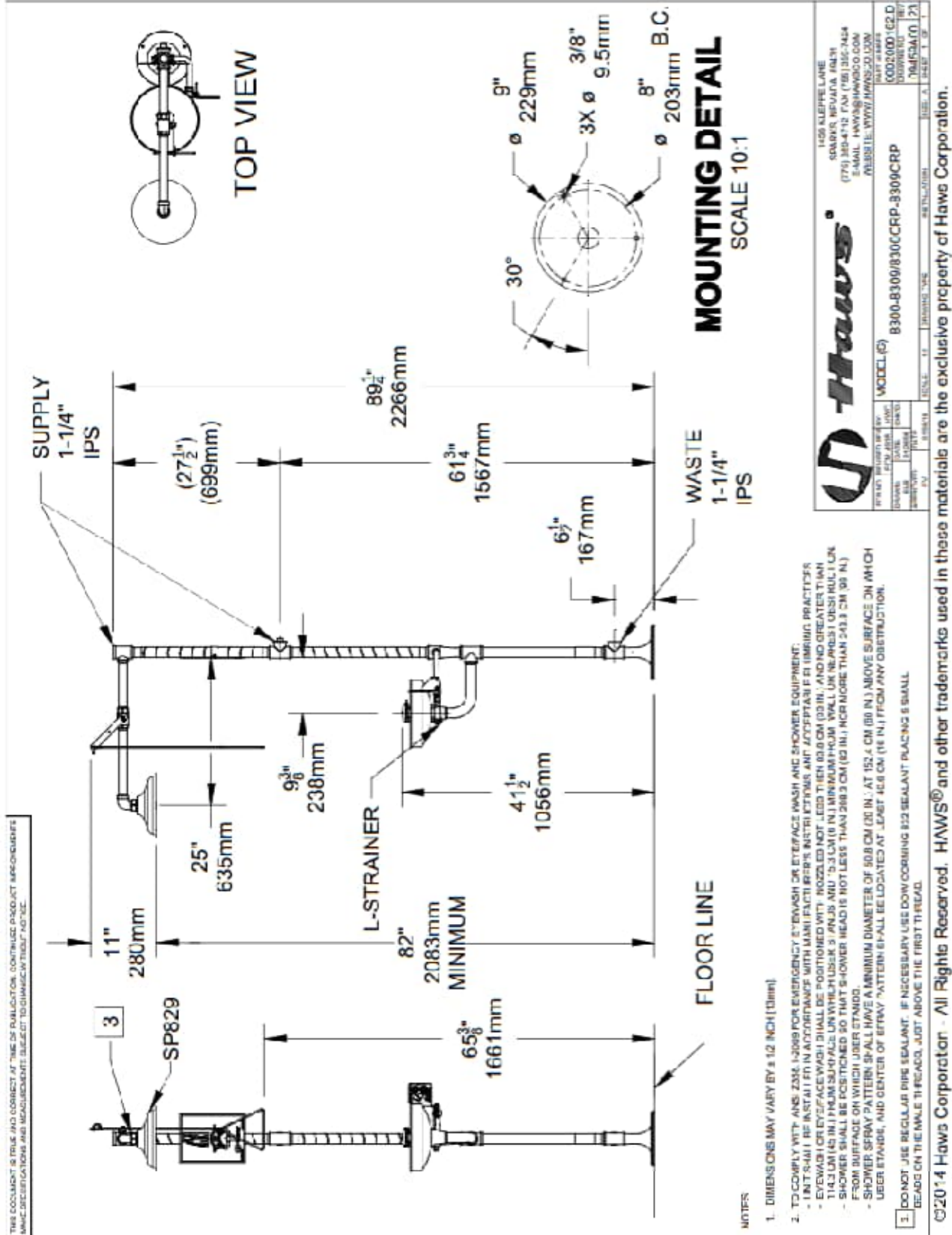
Item Description:
Shower, drench, with eyewash

Mark No.:

4950

Page 1 of 2

EQUIPMENT CUTSHEET



Item Description:
Shower, drench, with eyewash

Mark No.:
4950
Page 2 of 2

EQUIPMENT CUTSHEET



Stock Photo Shown - specified wagon truck may differ in appearance based on deck size, wheel type, and size.

Model #:
FW4215-PR3048

Availability:
Ships in 2-3 weeks

Short Description:
5TH WHL STEER 30X48 W/ PNEUMATIC WHEELS

Long Description:
30" x 48" fifth-wheel-steer trailer, deck of 1" hardwood set flush in 2" x 2" x 3/16" steel angle frame with 12 x 4.10-6 Pneumatic wheels. Trailer designed for manual towing. Roller bearings with lube fittings rotate on 1" diameter axles. Steelwork enameled Hammertone blue.

Wheel Type Selected:



Specifications:

- Deck Type: Hardwood
- Frame Type: Steel
- Load Capacity (lbs.): 2000
- Platform Height: 16 1/2
- Platform Length: 48
- Platform Size: 30 x 48
- Platform Width: 30
- Pneumatic Tires: -PR3048
- Truck Type: Wagon
- Weight (lbs.): 195 lbs
- Wheel Model #: W-12-PR-1
- Wheel Type: Pneumatic

Wheel Characteristics

- Type: Pneumatic
- Material: Rubber
- Rolling Ease: Low
- Relative Capacity: Low
- Quiet Operations: Yes
- Floor Protection: Fair
- Cushioning (Resilience): Highest
- Impact Resistance: High
- Moisture Resistance: Medium
- Abrasion Resistance: Low
- Relative Cost: High
- Low Temp. Range (F): -30
- High Temp. Range (F): 120
- Chemical Resistant: Low



Item Description:
Cart, battery

Mark No.:

5010

Page 1 of 1

EQUIPMENT CUTSHEET

PART NO. 260010, FOUR WHEELED HYDRAULIC MODEL



- 750 lb lift capacity.
- Wheel locks are standard on all models.
- Frame and lift heights vary among models.
- **1-year warranty.**
- Wesco® manufactured hydraulic Pedalift Jack, over 35 year of proven quality.
- Foot operated hydraulic pump raises platform, foot release lowers platform.
- Platform sits 5.75" above the floor.
- Wheel lock standard.
- All 54" lifts are 60.5" O.A.H
- 8"x2" wheels with .75" precision ball bearings.
- 3.5" diameter polyurethane ball bearing front swivel casters.
- Adjustable forks

PART NUMBER	260010
MODEL	DPL-54-2230
CAPACITY	750 lb
WHEEL	(2) 8" x 2"
SWIVEL CASTER	(2) 3.5" Polyurethane
LIFT HEIGHT	54"
PLATFORM WIDTH	30"
PLATFORM LENGTH	22"
LOAD CENTER	15"
O.A.H.	60.5"
OVERALL WIDTH	30"
OVERALL HEIGHT	60.5"
OVERALL DEPTH	32"
WEIGHT	172 lb

MADE IN THE USA



Item Description:
Cart, battery, lift

Mark No.:

5015

Page 1 of 1

EQUIPMENT CUTSHEET

ITEM # 2448-DT-3

Heavy Duty Shop Trucks



48"W x 24"D heavy duty shop truck. Unit measures 33 1/2"H and has three shelves with a clearance of 10-1/8". Floor clearance is 6 1/2". Push handle included.

WIDTH	HEIGHT	DEPTH	WEIGHT	CAPACITY	OPTIONS
48	33 1/2	24	180	3000 LBS.	FLOOR LOCK, WHEEL LOCKS, TRAY OR FLAT SHELVES, DRAWERS, TRAY TOP WRITING SHELF



Item Description:
Cart, parts

Mark No.:
5030
Page 1 of 1

EQUIPMENT CUTSHEET

Overview of components: KBK single and double-girder suspension cranes

KBK single and double-girder suspension cranes can be configured to meet individual needs thanks to their modular system design.

1 STEEL SUPPORT SUPERSTRUCTURE

Cantilever supports for universal applications:

- Support system can also be used wherever workshop ceilings and roof structures cannot bear loads
- High flexibility for planning and configuration
- Particularly easy assembly

2 PROFILE SECTIONS

Freedom for planning with a broad range of KBK profile sections to meet differing needs:

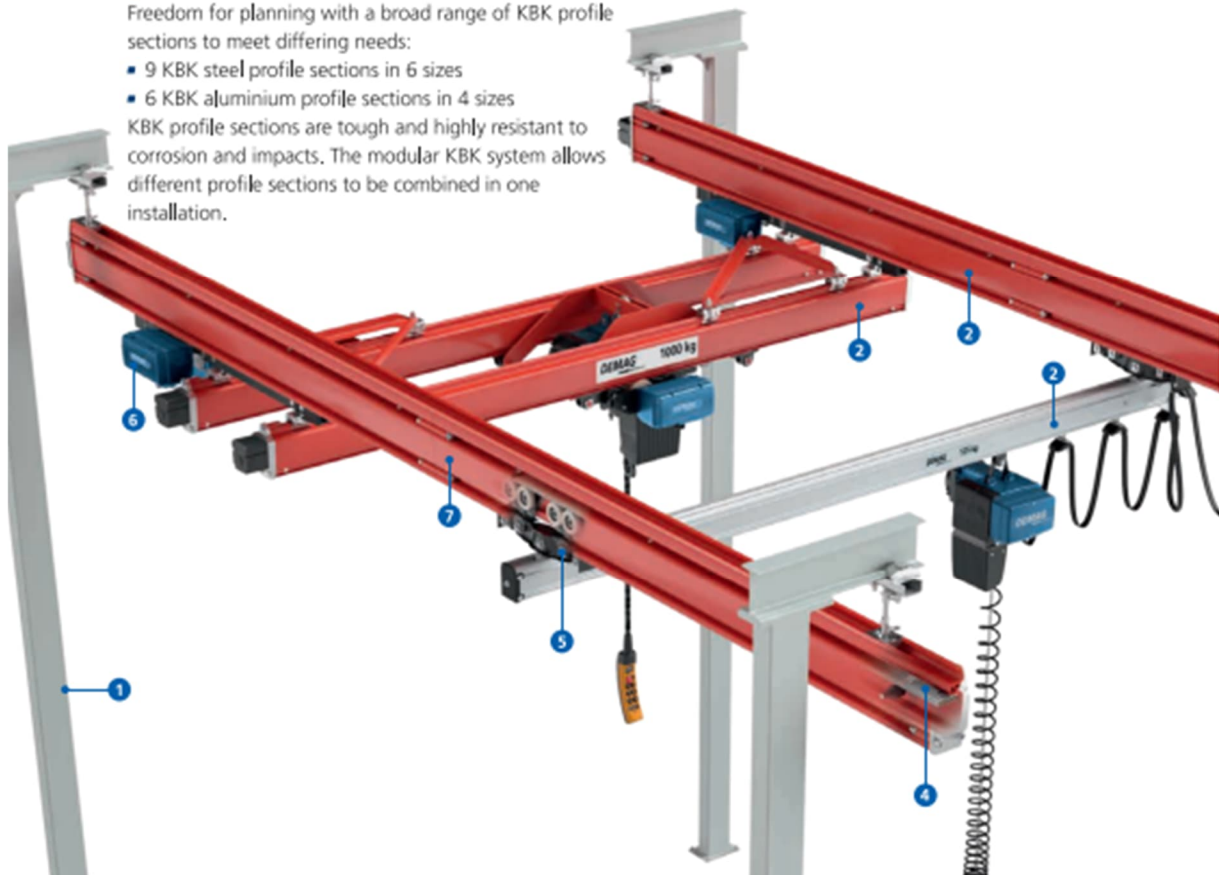
- 9 KBK steel profile sections in 6 sizes
- 6 KBK aluminium profile sections in 4 sizes

KBK profile sections are tough and highly resistant to corrosion and impacts. The modular KBK system allows different profile sections to be combined in one installation.

3 TRAILING CABLE

Reliable power supply:

- Highly flexible and cold-resistant flat cables
- Various cable carriers:
 - Narrow cable sliders made of tough plastic
 - Smooth-running cable trolleys



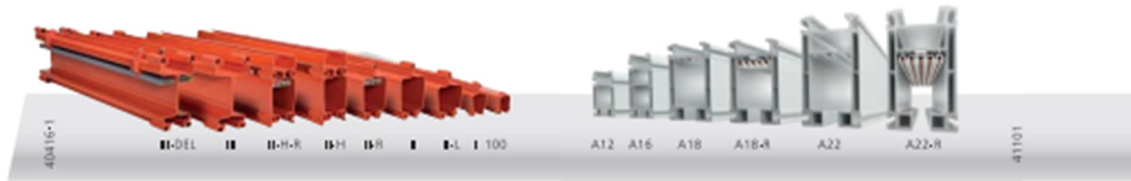
Item Description:
Crane, bridge, suspended, 1 ton

Mark No.:

5074

Page 1 of 4

EQUIPMENT CUTSHEET



KBK steel profile sections

KBK Aluline profile sections

4 INTEGRATED CONDUCTOR LINE

Safe and space-saving power supply via profile sections with integrated conductor line:

- Additional headroom gain
- No risk of collisions (e.g. with forklifts) thanks to lack of cables
- Additional external power supply fittings not required, which minimises assembly times and costs

5 KBK TROLLEYS

Excellent smooth-running performance and minimum rolling resistance over their entire service life:

- Quiet and smooth operation thanks to plastic wheels that are mounted in anti-friction bearings and lubricated for life
- Maintenance-free travel wheels with effective shock absorption
- Compact design with low deadweight



6 TRAVEL DRIVES

Recommended for use with heavy loads and complex installations:

- Electric and pneumatic variants
- Large friction wheels that have a high friction coefficient ensure reliable transmission of drive torque
- High traction: connection between travel drive and track does not depend on position and weight of the load
- Quiet-running drives

7 KBK II-H JOINT CONNECTION

Planning and project engineering can be simplified by the completely rigid rail connections on KBK II-H profile sections:

- The rail joint can be subjected to a full load – regardless of the position of the track suspension
- No additional steelwork required
- Efficient solution with short delivery times since straight sections in special lengths are largely eliminated
- Fast track connection assembly thanks to self-retaining nuts that are secured against turning

8 KBK SUSPENSIONS

Secure attachment with articulated suspensions:

- Significant reduction of horizontal forces in roof and support superstructures
- Impacts and noise minimised by plastic shells in the ball joints
- Exact alignment down to the millimetre thanks to track height adjustment with threaded suspension rods
- Flexible mounting arrangements for connection to various superstructures
- Low maintenance requirement

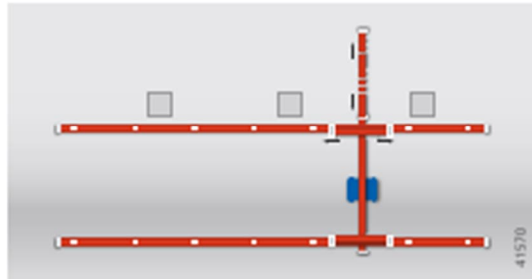
EQUIPMENT CUTSHEET

Variable working area, efficient use of space



KBK EXTENDING CRANES

These cranes can also be used for precisely lifting and positioning loads outside the area covered by the crane runway. A valuable benefit: their operating range can be extended to serve almost inaccessible areas, such as between pillars and columns. Available in steel or aluminium.



Single-girder extending crane

- Profile section rail
- End cap with buffer
- Suspension
- T Bolted connection
- Travelling hoist

FURTHER DETAILS

- Extending cranes consist of a fixed section and a crane section that can be extended
- High versatility, since the girders can be extended to one or both sides
- Extensions up to 2.5 m in length possible (depending on configuration, load and KBK profile section)
- Particularly ergonomic and efficient operation thanks to lockable travelling hoist, which can save time for the operator
- Push or electric travel (long-travel, extending, cross-travel motions)



Item Description:
Crane, bridge, suspended, 1 ton

Mark No.:

5074

Page 3 of 4

EQUIPMENT CUTSHEET

Complete installation

consisting of the following scope of delivery:

- KBK crane runway with suspensions
- Crane with electric chain hoist including power supply system, without isolating switch

General technical data on the complete installation:

Statically designed according to DIN 15018, H1, B3

Current type	Three-Phase
Operating voltage	460 V
Frequency	60 Hz
Rated current	0,00 A
Supply cable cross-section	1,50 mm ²
Supply cable length	1000 mm
Mains connection switch type	1 x DT 16a without fuses
Total weight of the installation, approx.	1472 kg
Planned operating location	indoors
Ambient conditions	normal (industrial environment)
Operating temperature	-10 °C to 40 °C
Installation dimensions	see sketch of the installation

KBK crane runway

Crane runway technical data:

Track profile section	KBK II-H
Runway length	25000 mm
Track suspension	Quantity: 10 off Upper suspension bracket: A with suspension rod length, l=100 mm Suspension bracket suitable for attachment to I 140 - 320, IPE 140 - 270, HE-B 100 - 120 profile-section girders
Power supply	Flat trailing cable with cable sliders
Cable sag	1000 mm
Paint/surface finish	
- Straight sections	RAL 2002, powder-coated
- Suspension components	galvanized
Corrosion protection on basis of category	C2-M
Max. load on suspension	1311 kg
Max. deflection ratio	Limit: 1/350; Actual: 1/492
Calculated max. possible suspension distance (lw)	7594 mm

Crane : KBK single-girder crane

Crane technical data:

Load capacity	1000 kg
Profile	KBK II-H
Track gauge	6000 mm
Girder length	6300 mm
Max. deflection ratio	Limit: 1/350; Actual: 1/446
Crane trolleys	2 x Single trolley
Crab trolleys	standard
Travel motions	
Long travel	manual
Cross travel	manual
Power supply / control	
Power supply	Flat trailing cable with cable sliders
Cable sag	1000 mm
Rated current	0,00 A
Cable cross-section	1,50mm ²
Operation	Control pendant susp. from hoist
Circuit diagram no.	63170446 + 63111146
Crane total weight, approx.	212 kg
Paint/ surface finish	
- Crane girders	RAL 2002, powder-coated
- Crane end carriages	RAL 9005, KTL-coated
- Cross travel unit(s)	RAL 9005, KTL-coated
Corrosion protection on basis of category	C2-M

Chain hoist technical data

Load capacity	1000 kg
FEM/ISO group	2m / M5
Hook path	4 m
Control cable length	0.8 - 2.8 m
Weight	approx. 49 kg (net total)
Reeving	1/1
Lifting speeds	approx. 4.8/1.2 m/min
Control voltage	24V AC
Hoist unit voltage	440 - 480 V / 60 Hz
Hoist motor	ZNK 100 A 8/2
Duty factor	40 / 20 %
Rated power	0.73 / 0.18 kW
Type of enclosure	IP 55
Insulation class	F
Ambient temperature	-20 °C to +45 °C
C-dimension	505 mm



Item Description:
Crane, bridge, suspended, 1 ton

Mark No.:

5074

Page 4 of 4

EQUIPMENT CUTSHEET

If you don't find what you are looking for, have a critical delivery, or need multiple jib cranes or hoists, please contact us!

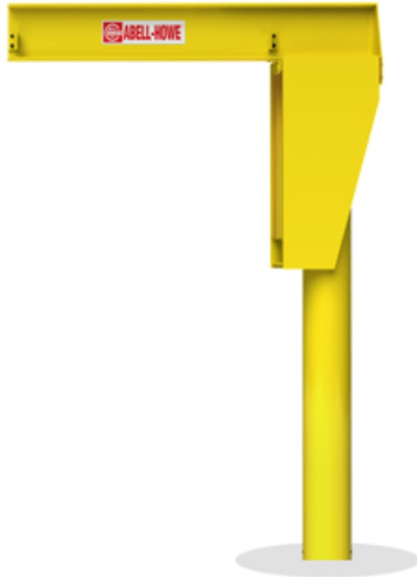


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DISTRIBUTOR LOGIN



Home / J904F / J904F – Foundation Mounted Heavy Duty Pillar Jib Crane (4000lb Capacity)



J904F – Foundation Mounted Heavy Duty Pillar Jib Crane (4000lb Capacity)

Height

12'

Span

10'

Capacity (Lbs)

4000

CLEAR

Variation Information:

Brand: Abell-Howe

Construction: Steel

Color Finish: Yellow

I-beam Size (in): 12

Flange Width (in): 6.5

Mast Diameter (in): 14

Estimated Delivery Time (Business Days): 30 to 35

Footing Size (ft): 6'-0" x 6'-0" x 4'-0"

Weight (Lbs): 1,660

[Login to see pricing](#)

Not a distributor?

[Contact us to request a quote](#)

SHARE

SKU: 4F0731

Category: J904F

Description Additional information

Abell-Howe; Heavy Duty Floor Crane. Ideal for manufacturing and assembly plants. Ruggedly constructed for industrial use. Heavy wall structural steel pipe mast and reinforced large diameter base plate for minimal deflection and continuous alignment. Rolled steel I-beam section with tapered flange for smooth trolley travel. Safety end stops at both ends of boom limit trolley travel. High visibility safety yellow enamel finish. Cranes foundations is embedded in the concrete. Foundation sleeve sold separately. Made in the USA.



Item Description:
Crane, jib, found. mtd., 10', 2 ton

Mark No.:

5132

Page 1 of 3

EQUIPMENT CUTSHEET

RECOMMENDED INSTALLATION PROCEDURE
SEE BULLETIN 11, J-904FS INSTALLATION INSTRUCTIONS
FOR BASE MOUNTED PILLAR JIB CRANE MODEL J-904FS.

RECOMMENDED FOUNDATION CONCRETE
JIB CRANE FOUNDATION REQUIREMENTS ARE BASED ON
A SOIL PRESSURE OF 2500 LBS. PER SQUARE FOOT.
3000 LBS. P.S.I. (PER SQ. INCH) COMPRESSIVE CONCRETE
(5 BAG MIX-ONE YARD OF CONCRETE).

CAPACITY _____ LBS.
WEIGHT _____ LBS.

A _____
B _____
C _____
D _____
E _____
W _____

MODEL: _____

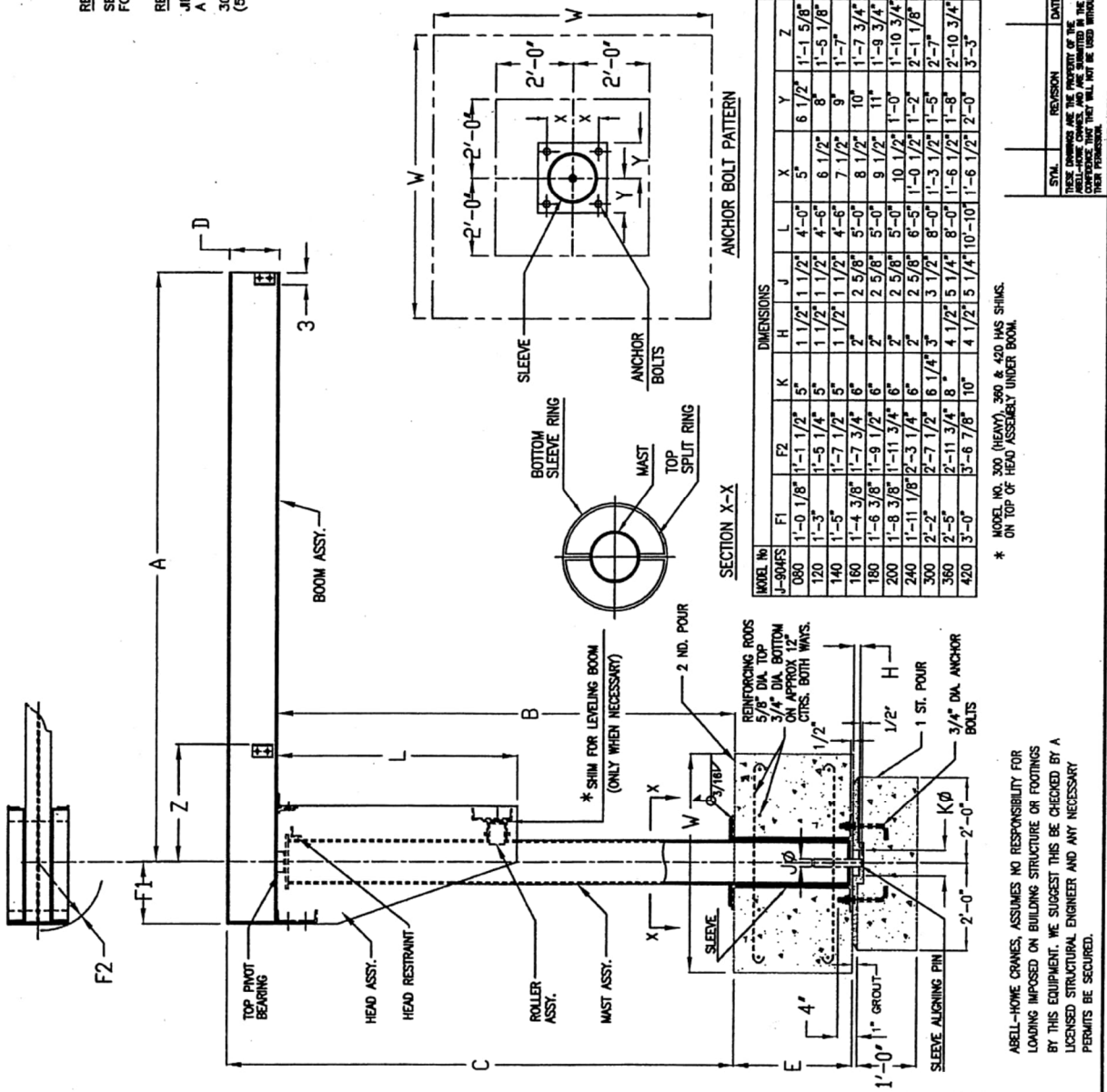
J-904- _____ FS

JOB NO.: _____ WORK ORDER No. _____

INSTALLATION DRAWING
360° FOUNDATION SLEEVE MOUNTED
PILLAR JIB CRANE MODEL J-904FS

ABELL-HOWE CRANES
DIVISION OF CRANE, EQUIPMENT & SERVICE, INC.
UNIT 100, 1002 VERN DRIVE, WATKINSVILLE, GA 30677

DATE: _____
DRAWN BY: _____
CHECKED BY: _____
DATE: _____
SIZE: _____
SHEET NO. 1 OF 1



Item Description:
Crane, jib, found. mtd., 10', 2 ton

Mark No.:
5132
Page 2 of 3

EQUIPMENT CUTSHEET

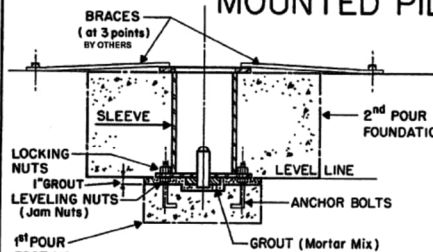


ABELL HOWE CRANES
DIVISION OF CRANE, EQUIPMENT & SERVICE,
UNIT 100, 10321 WERCH DRIVE, WOODRIDGE IL 60517

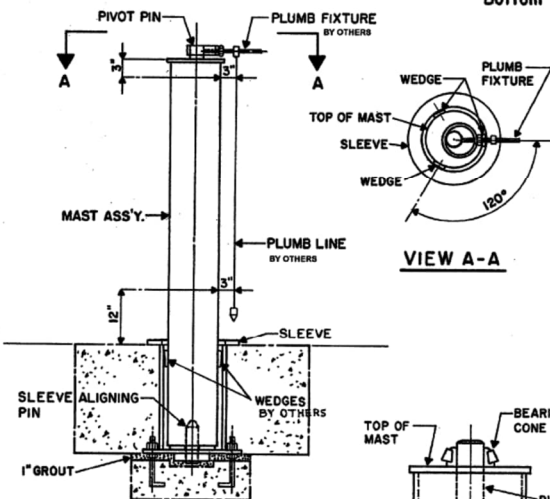
INSTALLATION INSTRUCTIONS FOR FOUNDATION SLEEVE MOUNTED PILLAR JIB CRANE MODEL J-904FS

INSTRUCTIONS:

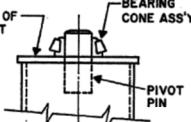
JIB CRANE IS SHIPPED IN 4 SECTIONS, HEAD ASS'Y.-BOOM ASS'Y.-MAST ASS'Y.-SLEEVE ASS'Y. and a BOX CONTAINING TOP BEARING-BOLTS-PAINT and ACCESSORIES.



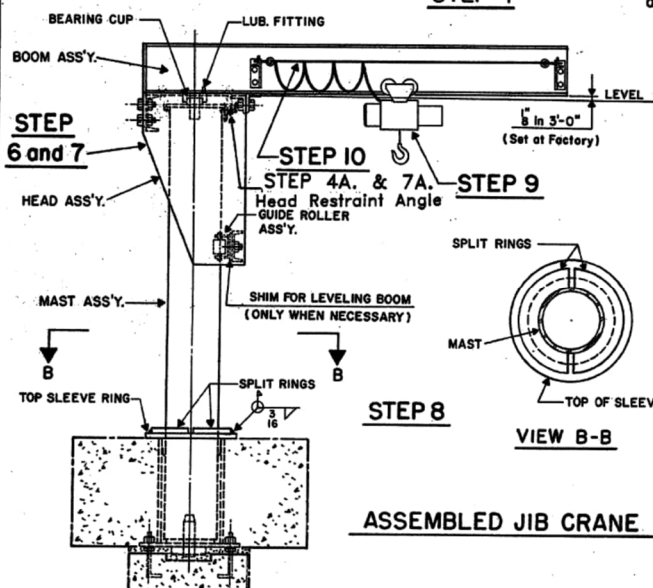
STEP 1



STEP 2 and 3



STEP 4



1. After 1st pour footing has hardened with Anchor Bolts set, install Leveling Nuts (Jam Nuts) on Anchor Bolts and level across Nuts. Then fill center of bolt pattern to top of Leveling Nuts with Grout (mortar mix). Set Sleeve into position on Leveling Nuts and securely brace the Sleeve in a plumb position, install Locking Nuts on Sleeve Base Plate. Then install The 2nd pour foundation.
2. After 2nd pour foundation has hardened, insert the Crane Mast into the Sleeve and over Sleeve Aligning Pin, making sure that Aligning Pin is fully engaged with hole in the Bottom Mast Plate.
3. Plumb the Mast by using a Plumbing Fixture from Pivot Pin on top of Mast. Then dropping a Plumb Line. Use Steel Wedges every 120° to properly plumb the Mast.
4. Set Top Pivot Bearing Cone over Pivot Pin located on top of Mast.
- 4A. Remove Head Restraint Angle from Head Assembly.
5. Attach Boom Ass'y. to Head Ass'y. using Bolts provided. Check Bearing Housing on bottom of Boom to make sure that Bearing Cup is in place.
6. Raise assembled Head and Boom onto plumbed Mast.
7. After Head and Boom is mounted onto Mast lubricate Top Pivot Pin Bearing thru Grease Fitting (Bottom Roller Ass'y. factory lubricated). Rotate Boom slowly thru Arc of 360° to be sure that rotation is satisfactory. If equipped with Rotation Stops locate Rotation Stops and rotate thru limits of rotation in both directions.
- 7A. Replace Head Restraint Angle back inside the Head Assembly.
8. After Jib Crane is plumb and rotation is satisfactory locate Top Split Rings around Mast and weld to top of Sleeve Ring.
9. Remove End Stop and install Trolley/Hoist Unit onto Boom (check gage of Trolley Wheels for proper fit on beam). Replace End Stop.
10. Install electrical Hardware and Accessories on Boom if provided and make all necessary electrical connections.
 - (a) Bottom Entry Collector System for Pillar Jib Cranes - see installation drawing A4-J-904-2.
 - (b) Top Entry Collector Ring - 360° rotation for Pillar Jib Cranes see installation drawing A4-J-904-3.

NOTE:

For Foundation requirements and Anchor Bolt location refer to drawing A3-AJ-904FS.

WARNING:

This equipment is not designed for and should not be used for lifting, supporting or transporting personnel.

Revised: 08-22-85, 02-15-96, 7-21-2005

BULLETIN: I.I. J-904FS 08-08-84



Item Description:
Crane, jib, found. mtd., 10', 2 ton

Mark No.:

5132

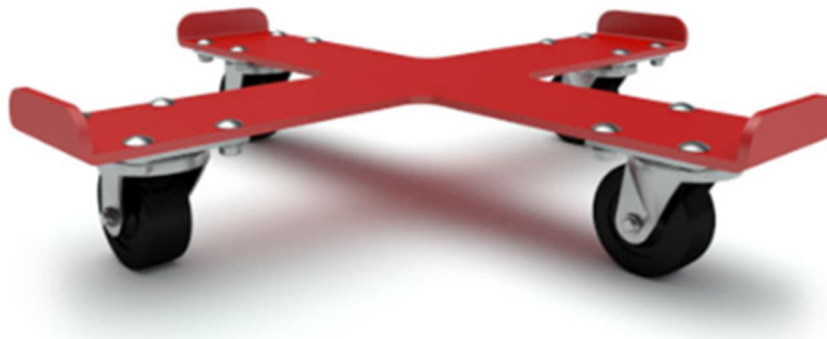
Page 3 of 3

EQUIPMENT CUTSHEET

Drum Dolly

Load Capacity: 1200 lbs.

Drum dollies are ideal for drums and barrels that are commonly moved while upright, like in a paint shop.



Quality Features

- Rugged frame of 1/4" x 3" steel. Four swivel casters bolted on.
- Inside diameter 23 1/2".
- **DM232** Load height of 3 1/2".
- **DM233** Load height of 4 1/4".
- Weight 30 lbs.



The cross-frame design of Models DM232 and DM233 makes it easy to load drums on and off-no need to lift them over a circular rim as on some models. Both models accommodate standard 55 gal. and 30 gal. drums.

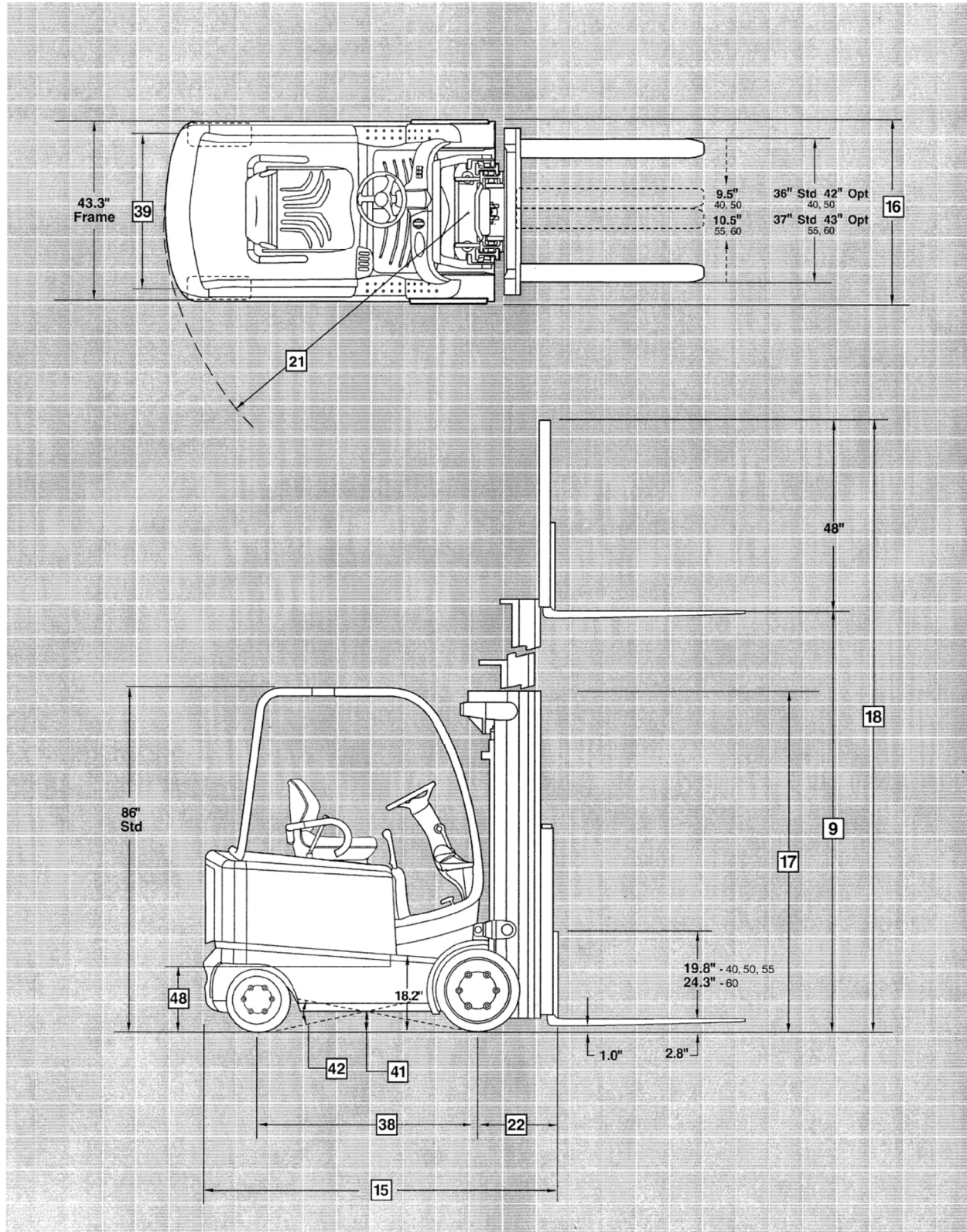


Item Description:
Dolly, drum, caster base, 600 pound

Mark No.:
5290
Page 1 of 1

EQUIPMENT CUTSHEET

Date:



Item Description:
Forklift, electric, sit-down, 4000 lb

Mark No.:
5350
Page 1 of 3

EQUIPMENT CUTSHEET

Date:

General Information	1	Manufacturer		Crown Equipment Corporation	
	2	Model		FC 4510/15-40	FC 4520/25-40
	3	Load Capacity*	lb	4000	
	4	Load Center	Fork Face to Load CG	24	
	5	Power	Electric	36-Volt / 48-Volt	
	6	Operator Type		Sit-down Rider Counterbalanced	
	7	Tire Type		Cushion	
	8	Wheels (x = driven)	Number Front/Rear	2x / 2	
Dimensions	9	Mast (See Mast Chart)	Lifting Height (MFH)	in	188
			Free Lift Height	in	32.2
	12	Fork Carriage			ITA Class II
	13	Forks	Standard L x W x T	in	36 x 4 x 1.8
			Optional Lengths	in	42, 48, 54, 60
	14	Tilt	F° / B°	degree	5 / 5
			Interlocked Fork Height**	in	66
		Battery Compartment		in	27 33
	15	Headlength	Length to Fork Face	in	77.8 84
	16	Width Overall	Standard Tread	in	43.4
			Wide Tread	in	47.5
	17	Height with Load Backrest	Mast Collapsed	in	83
Performance	18		Mast Extended	in	236
	21	Turning Radius		in	69.1 75.3
	22	Load Distance	Center of Wheel to Fork Face	in	15.8
	23	Aisle Width (Add Load + Clear)	Right Angle Stack	in	84.9 91.1
	24	Speed Travel	Empty / Loaded 48V	mph	11 / 10.2
			Empty / Loaded 36V	mph	9 / 8.3
	25	Speed Lift††	DC	Empty / Loaded 48V	fpm 110 / 76
			AC	Empty / Loaded 36V	fpm 104 / 58
				Empty / Loaded 48V	fpm 110 / 92
				Empty / Loaded 36V	fpm 104 / 71
Weights	26	Speed Lower	Empty / Loaded	fpm	84
	32	Weight, Less Battery		lb	7,243 7,195
	33	Axle Load with Max Battery, Loaded	Front	lb	11,987
			Rear	lb	1,886 2,242
	34	Axle Load with Max Battery, Unloaded	Front	lb	4,787
Chassis			Rear	lb	5,086 5,144
	36	Tires	Size Front	in	21 x 7 x 15
	37		Size Rear	in	16 x 6 x 10.5
	38	Wheelbase		in	49.7 54.7
	39	Tread/Track Width	Front Standard / Rear	in	36.4 / 36
			Front Optional / Rear	in	40.5 / 36
	40	Ground Clearance, Loaded	Lowest Point	in	3
	41		Center of Wheelbase	in	4.8
	42	Grade Clearance, Loaded		%	38 35
	43	Brakes	Service		Foot Hydraulic
Battery	44		Parking		Hand Electro-hydraulic
	45	Battery	Type		Lead Acid
	46		Capacity - 36V	AH	1210 1430
				kWh	42.5 50.2
			Capacity - 48V	AH	880 1100
				kWh	41.2 51.5
	47		Weight - Min	lb	2630 2800
			Weight - Max	lb	3200 4000
			Size - Max	Length	27.25 32.94
				Width	38.69
				Height	22.25
	48	Battery Floor Height	With Rollers / w/o Rollers	in	17.4 / 17.1
Motors	49	Motors	Tractor Motor, dia	in	11.4
	50		Lift Motor, dia	in	7.2
	51	Operating Pressure	For Attachments	psi	Up to 3000

* Optional masts, attachments, longer load dimensions and higher lifting heights may result in derating of the capacity. Contact local dealer.

** Forward tilt restricted to 2° above this height.

† With maintenance-free batteries or batteries with a lid (flat top), consult factory.

†† Based on TT mast.



Item Description:
Forklift, electric, sit-down, 4000 lb

Mark No.:

5350

Page 2 of 3

EQUIPMENT CUTSHEET

Date:

Mast Chart FC 4500-40/50/55			TL			TT										QUAD				
9	Lifting Height	in	126	138	150	188	206	216*	231*	246*	258*	276*	291*	240*	258*	276*	294*	312*		
11	Free Lift Height†	in	5.6	5.6	5.6	32.2	38.2	44.2	50.2	56.2	62.2	68.2	74.2	31.8	39.8	43.8	49.8	55.8		
14	Interlocked Fork Ht	in	78	78	78	66	72	78	84	90	96	102	108	76	82	88	94	100		
17	Mast Collapsed Ht	in	83	89	95	83	89	95	101	107	113	119	125	83	89	95	101	107		
18	Mast Extended Ht†	in	174	186	198	236	254	264	279	294	306	324	339	288	306	324	342	360		
Mast Chart FC 4500-60			TL			TT														
9	Lifting Height	in	118	130	142		180	198	208*	223*	238*	250*								
11	Free Lift Height†	in	5.9	5.9	5.9		32.2	38.2	44.2	50.2	56.2	62.2								
14	Interlocked Fork Ht	in	78	78	78		66	72	78	84	90	96								
17	Mast Collapsed Ht	in	83	89	95		83	89	95	101	107	113								
18	Mast Extended Ht†	in	166	178	190		228	246	256	271	286	298								

* Wide tread drive tires recommended. Refer to capacity charts.

† Includes load backrest.

FC 4500 Series

Technical Information

Standard Features

- Crown's Access 1 2 3® Comprehensive System Control
- Intrinsic stability system
 - Travel speed reduction when above mast staging
 - Forward tilt interlock above staging
 - Counterweight exceeds required standards
 - Ramp speed control
- Operator entry/exit
 - 18" step height
 - Large entry/exit "window"
 - Tubular overhead guard upright for easy hand hold
 - Contoured battery seat deck
 - Rounded floorboard edges
 - Tilt steering wheel and sculpted column
 - Large, uncluttered floorboard
- Operator compartment design features
 - Low cowl for fork and floor visibility
 - Wide visibility window between overhead guard and front pillars
 - Suspension seat with hip restraint and anti-cinch seat belt
 - Infinite adjustment steering wheel column
 - Fingertip applied/released parking brake with tone alert

- Urethane covered control handles with tactile feedback
 - Natural position for forward/reverse selector
 - Rubber floor mat/rubber covered pedals
- AC traction system
 - Exclusive Crown power disc brake with regenerative motor plugging
 - Crown-manufactured lift motor
 - 36/48-volt system
 - Crown display
 - Battery discharge indicator with lift interrupt and re-key feature
 - Hour meters/travel distance/stop watch
 - Pin code access capable
 - Event code display with five (5) key navigation
 - Access 1 2 3 diagnostics
 - P1, P2, P3 Performance tuning
 - High visibility mast with in-line hose routing
 - Waterfall design overhead guard
 - Lift out or side removal battery access
 - Battery side retainer with interlock and fault identification
 - No tool lift out floorboards
 - 48" high load backrest
 - 350 amp battery connector

- Color-coded wiring
- InfoPoint® System with Quick Reference Guide
- Three-spool valve
- O-ring face seal hydraulic fittings
- Battery disconnect handle
- Lift interrupt

Optional Equipment

- AC Hydraulics
- Sideshifter
- Freezer and corrosion conditioning
- UL "EE" rating
- InfoLink™ Ready System
- TL and quad mast styles
- Polished and tapered forks
- Fork lengths
- Hydraulic valves for attachments
- Quick disconnect hydraulic connectors
- Attachment pressure regulator and gauge
- Special forward tilt
- Brush wear and motor over-temperature indicators for DC motors
- Seat armrest
- Steering spinner knob
- Keyless on/off switch
- Work lights
- Storage tray with clipboard support
- Static seat
- Tilt Position Assist

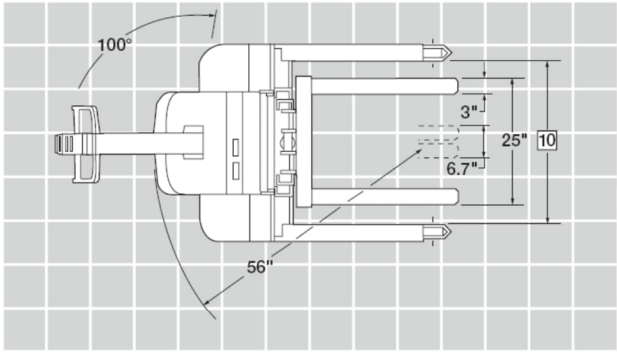
- Shoulder restraint
- Back-up, brake and tail light
- Strobe lights
- Audible travel alarm
- Tow pin
- Automatic parking brake, (seat activated)
- Brake activated traction cutout
- Foot operated directional control
- Full battery side doors
- Battery compartment rollers
- Dock Performance Package
- Pos/Neg accessory cable
- Wide tread widths
- Load backrest heights
- Drive-in rack overhead guard
- Non-marking smooth or lug rubber tires
- Work Assist™ Accessories
 - Clip pad and hook
 - Accessory clamp
 - Terminal mounting
 - Fire extinguisher
 - Operator fan
 - Work lights
 - Mirrors
- Battery spacer



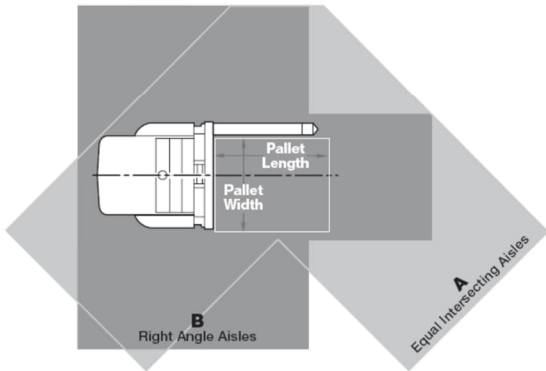
Item Description:
Forklift, electric, sit-down, 4000 lb

Mark No.:
5350
Page 3 of 3

EQUIPMENT CUTSHEET



2	Model		20MT		
3	Load Capacity*	lb	2000		
4	Load Center	in	24		
5	Mast Type		Telescopic		
6	Lifting Height	in	90	110	130
	Free Lift*	in	50	60	70
7	Collapsed Height	in	71.5	81.5	91.5
8	Extended Height**	in	106.5	126.5	146.5
9	Head Length	in	34.2	34.2	34.2
	Net Weight with Batteries	lb	1300	1400	1455
10	Inside Straddle	in	Adjustable in 2" increments from 32" to 50"		
	Outside Straddle	in	Inside plus 6.25"		
11	Fork Lengths	in	30, 36, 42 and 48		
12	Fork Adjustment	in	6.7 to 25		
13	Travel Speed	mph	Three forward and reverse speeds to 3 mph		
14	Lift Speed	E/L fpm	25/13		
15	Lowering Speed	E/L fpm	22/36		



Straddling Load

Pallet Width		Pallet Length							
		30		36		42		48	
		A	B	A	B	A	B	A	B
30	in	55	64	59	64	62	66	65	71
36	in	59	65	62	66	65	69	68	72
42	in	64	68	66	69	69	71	71	74
48	in	69	72	70	72	72	74	74	77

Load Over Outriggers

Pallet Width		Pallet Length							
		30		36		42		48	
		A	B	A	B	A	B	A	B
30	in	50	63	54	64	57	66	60	68
36	in	53	64	57	65	60	67	63	69
42	in	58	65	62	67	64	68	67	70
48	in	64	66	67	68	68	70	70	72

Add 6" to all aisle dimensions for maximum maneuverability.



Item Description:
Forklift, electric, walk-behind, 2000 lb

Mark No.:

5352

Page 1 of 2

EQUIPMENT CUTSHEET

Capacity

Models 20M and 20MT
2000 lb at 24" load center

Batteries

Four 6-volt three cell, 17 plate (per cell) lead acid batteries - each rated at 100 amp hours at 20 hour rate, or 87 amp hours at six hour rate.

Charger

Built-in 120-volt 10 amp silicon rectifier type. Automatically tapers to trickle charge. Other charger's and voltages available.

Standard Equipment

1. 24-volt system
2. Crown manufactured heavy-duty contactors
3. Third speed cutout switch
4. Series wound high-torque drive and lift motor
5. Fused control and drive circuits
6. Power disconnect
7. Key switch
8. Plexiglass safety shield
9. Raise/lower buttons in control handle
10. Adjustable outriggers (MT only)

Optional Equipment

1. Load backrest
2. Polyurethane load, drive and caster wheels
3. Discharge meter
4. Hour meter
5. Semi-industrial battery and bench type charger complete with timer and SB 50 connector

Control Handle

Control handle with dual twist-grips which control three speeds forward and reverse. Twist-grips return to neutral when released. The handle provides 200° steering, and contains a large safety button which reverses the direction of the truck should the button touch the operator. A large horn button is standard equipment, as is a third speed cutoff switch.

Steering

Steering column is mounted on thrust and radial bearings for effortless steering. Steering handle can be turned 100° in either direction. Handle is spring loaded to return to vertical "brake on" position when released by operator.

Wheels and Tires

Steel caster wheels - 5" dia, 1.9" face. Steel load wheels - 4" dia, 2" face as standard. All wheels equipped with roller bearings. Drive tire - 8.5" x 4" x 4" standard pressed-on type rubber.

Hydraulic System

Heavy-duty motor with gear pump, check valve, relief valve and control valve. Flow control valve regulates lowering speed of forks. Lift cylinder with polyurethane packings. Oil reservoir with breather-filter to prevent foreign matter from entering hydraulic system. In-line suction filter to remove foreign matter from hydraulic circuit. Overload valve set to bypass oil to reservoir when system reaches maximum pressure.

Safety Switches

Third speed cutout switch may be used to shut off high speed when operating in congested areas. Third speed cutoff switch on telescopic models shuts off high speed when inner mast extends above "free lift" of forks. Safety interlock switch cuts off drive wheel power when service door is opened for charging and maintenance.

Drive Unit

Spur gear drive direct from motor to drive axle. Gear train is mounted on ball and tapered roller bearings operating in oil inside sealed gear housing. Housing is equipped with magnetic drain plug. Drive unit floats 2.5" to insure traction over uneven floors and on ramps. Heavy coil spring exerts 400 lb pressure on drive wheel for maximum traction.

Outriggers

Heavy steel construction with end contoured around load wheel. Each load wheel axle is rounded to prevent pallet damage.

Carriage Rollers

Alloy steel rollers contoured to fit mast and equipped with roller bearings. Telescopic units have adjustable side-thrust mast rollers.

Safety Shield

Clear high impact acrylic to help protect operator from chains and cylinder.

Lift Chain

Two alloy steel leaf-type chains

Finish

Beige and dark gray

Other Options

1. Audible travel alarm
2. Flashing lights

Safety considerations and dangers associated with audible travel alarms and flashing lights include:

- Multiple alarms and/or lights can cause confusion.
- Workers ignore the alarms and/or lights after day-in and day-out exposure.
- Operator may transfer the responsibility for "looking out" to the pedestrians.
- Annoys operators and pedestrians.

Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average size vehicle and is affected by weight, condition of truck, how it is equipped and the conditions of the operating area. Crown products and specifications are subject to change without notice.



Item Description:

Forklift, electric, walk-behind, 2000 lb

Mark No.:

5352

Page 2 of 2

EQUIPMENT CUTSHEET

Date:

ISLANDER™ SERIES

Harbor Waste/Windshield Service Center, 28-Gallon Single-Sided, Open-Top

All-in-one Solution! The Harbor 1 Waste Container and Windshield Service Center combines a windshield washing center, a waste receptacle and towel dispenser all in one durable, streamlined and compact unit. Its interior splash guard protects the towels from trash area and allows trash bag to easily pull out for emptying. Generous 28-gallon trash capacity with patented Grab Bag™ system helps to keep trash bag in place.

KEY BENEFITS & FEATURES:

- Durable and built to last in the harshest weather conditions
- Environmentally-friendly containers, molded from long-lasting recycled polyethylene that won't rust, dent, chip and is graffiti-resistant
- Material is easy to maintain and clean, saving you time and hassle
- Snap-fit lid closure secures lid in place, generous 9" Sq. trash opening for easy disposal of discards, uses standard 45-gallon trash bags and features our patented Grab Bag™ system to secure trash liner in place
- Raised water bucket allows for convenient access and 2-gallon water bucket is removable for cleaning
- Interior splash guard protects the towels from trash area
- Built-in windshield service center includes 2-gallon water bucket with squeegee press, towel dispenser and squeegee
- Towel dispenser accommodates standard size 1 or 2-ply folded paper towels
- Security options available and sold separately: Bolt-down hardware #793100 and base-to-lid security cable #795500
- 100% Recyclable after use
- Standard 2-day lead time

COLOR OPTIONS:



Black
ITEM #: 755101
UPC: 653410002241



Gray
ITEM #: 755103
UPC: 653410002258



Blue
ITEM #: 755104
UPC: 653410002272



DIMENSIONS:

ASSEMBLED DIMENSIONS	ASSEMBLED WEIGHT	CAPACITY	TRASH OPENING SIZE	ASSEMBLY REQUIRED	ADA COMPLIANT	WARRANTY	RECYCLED MATERIAL
18.5"W x 34.5"H x 19"L	28 lbs.	28-Gallon	9" Sq	Yes	Yes	1-year	25%+

SHIPPING DIMENSIONS:

SHIPPING SPECS	# OF CARTONS	CARTON SIZE	CARTON WEIGHT	DIMENSIONAL WEIGHT	COUNTRY OF ORIGIN	FREIGHT CLASS	HTS CODE	NIMFC CODE
LID + BASE	1	19" x 20" x 35"	27 lbs	80 lbs	USA	250	3924.90.5650	156600-03

Contact Information:

Email: cpservice@commercialzone.com
Phone: 1.800.782.7273
2727 W. Good Hope Rd, Milwaukee WI, 53209



Item Description:
Center, service, windshield

Mark No.:
5450
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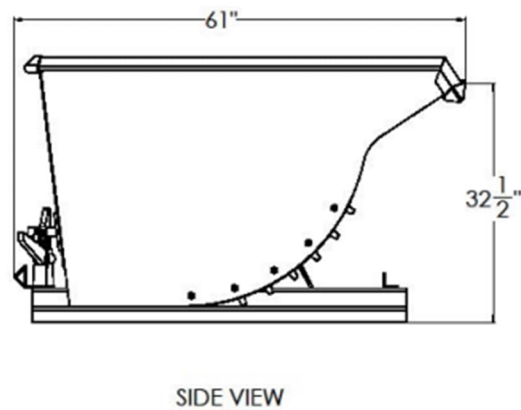
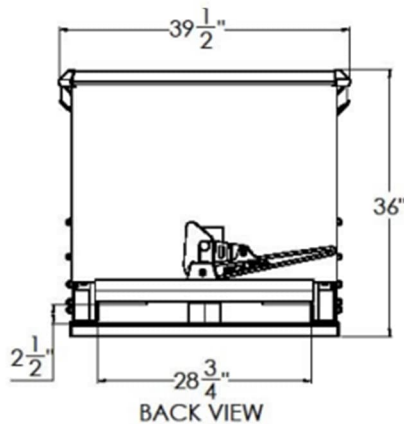
EQUIPMENT CUTSHEET

RUGGED HOPPER MODEL 3T-3/16-205 3/4 CU YD



MODEL #	SIZE	L	W	H	LH	FORK OPENING	WEIGHT	CAPACITY
3T-3/16-205	3/4 CU YD	61"	39 1/2"	36"	32 1/2"	2 1/2" X 28 3/4"	558 LBS	6000 LBS

RUGGED 3T-3/16-205



CONSTRUCTION: 7 gauge plate body and 5/16" formed plated base. Bodies are 100% continuous weld for superior construction. Ductile Iron handle, standard stops and secure flip latch are standard on this model.

FINISH: Bright safety green enamel paint (other colors optional).

POLYURETHANE CASTER



TYPE	SIZE	PART #	DESCRIPTION
POLYURETHANE	4X2	CAS-04-PY-C	COMPLETE SET-2 FIXED & 2 SWIVEL
POLYURETHANE	6X2	CAS-06-PY-C	COMPLETE SET-2 FIXED & 2 SWIVEL
POLYURETHANE	8X2	CAS-08-PY-C	COMPLETE SET-2 FIXED & 2 SWIVEL



Item Description:
Hopper, self-dumping, 3/4 yard

Mark No.:
5460
Page 1 of 1

EQUIPMENT CUTSHEET

Rugged Roura Hoppers

3/16" plate body, reinforced around the top with angle iron. 5/16" formed plate base. Ductile Iron handle, std. stop. Painted safety green.



3T-3/16-540, RUGGED

RUGGED HOPPERS (4000 LBS - 8000 LBS)

MODEL #	SIZE	L	W	H	WEIGHT	CAPACITY	
2T-3/16-SL-1/4	1/4 CU YD	39"	37 1/2"	17"	290 LBS	4000 LBS	Select
2T-3/16-SL-1/3	1/3 CU YD	47"	39 1/2"	24"	430 LBS	4000 LBS	Select
2T-3/16-SL-1/2	1/2 CU YD	47"	51 1/2"	24"	490 LBS	4000 LBS	Select
2T-3/16-105	1/3 CU YD	48 1/2"	31 1/2"	31 1/2"	425 LBS	4000 LBS	Select
2T-3/16-135	1/2 CU YD	48 1/2"	39 1/2"	31 1/2"	475 LBS	4000 LBS	Select
3T-3/16-205	3/4 CU YD	60 1/2"	39 1/2"	36"	635 LBS	6000 LBS	Select
3T-3/16-270	1 CU YD	64 1/2"	39 1/2"	38 1/2"	670 LBS	6000 LBS	Select
3T-3/16-405	1 1/2 CU YD	64 1/2"	57 1/2"	38 1/2"	800 LBS	6000 LBS	Select
3T-3/16-410	1 1/2 CU YD	64 1/2"	44 1/2"	46 1/2"	825 LBS	6000 LBS	Select
3T-3/16-540	2 CU YD	64 1/2"	57 1/2"	46 1/2"	900 LBS	6000 LBS	Select
3T-3/16-675	2 1/2 CU YD	64 1/2"	75 1/2"	46 1/2"	1015 LBS	6000 LBS	Select
3T-3/16-680	2 1/2 CU YD	71"	57 1/2"	58"	1125 LBS	6000 LBS	Select
3T-3/16-810	3 CU YD	71"	63 1/2"	58 1/2"	1213 LBS	6000 LBS	Select
3T-3/16-1080	4 CU YD	71"	83 1/2"	58 1/2"	1423 LBS	6000 LBS	Select
3T-3/16-1500	5 CU YD	71"	101 1/2"	58 1/2"	1618 LBS	6000 LBS	Select
4T-3/16-810	3 CU YD	71"	63 1/2"	61"	1330 LBS	8000 LBS	Select
4T-3/16-1080	4 CU YD	71"	83 1/2"	61"	1540 LBS	8000 LBS	Select
4T-3/16-1500	5 CU YD	71"	101 1/2"	61"	1735 LBS	8000 LBS	Select



Item Description:
Hopper, self-dumping, 2 yard

Mark No.:
5464
Page 1 of 2

EQUIPMENT CUTSHEET

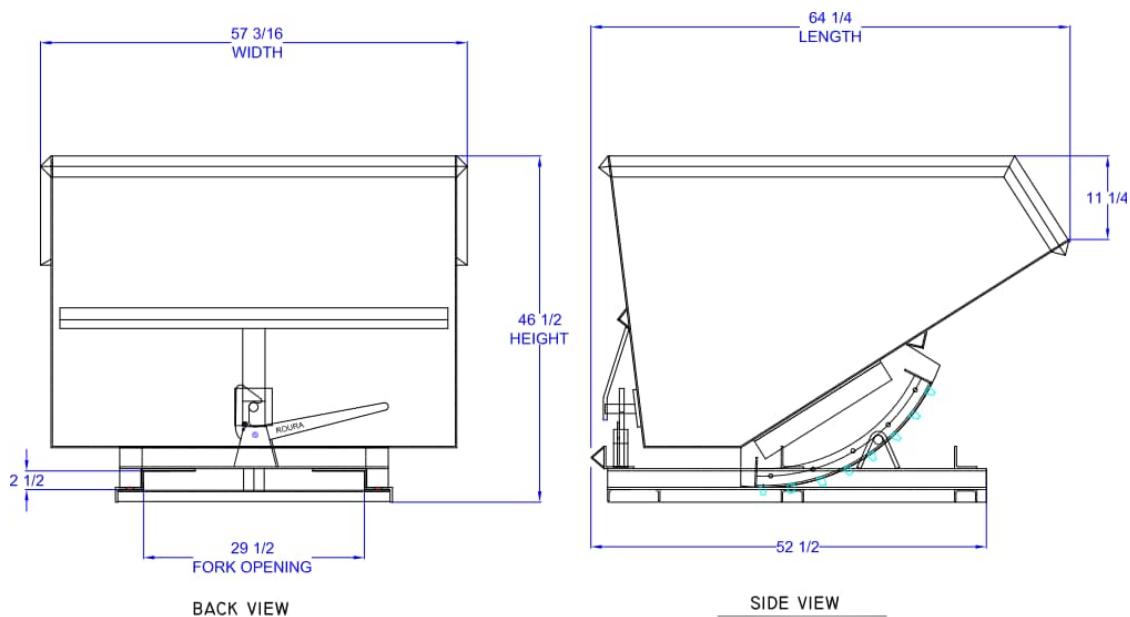
RUGGED HOPPER MODELS (4,000- 8,000 lbs. capacity)

This hopper can safely handle loads up to 8,000 lbs. that require heavy material handling applications without sacrificing strength and durability. Roura's Rugged self-dumping hoppers are available from 1/4 cubic yard through 5 cubic yards to solve all material handling requirements. As with all Roura products, the Rugged hopper offers the strongest hopper in its class. This steel hopper will reduce operation costs, increase productivity and provides a safe method of material handling. Roura Material Handling specializes in custom designs and will modify an existing Rugged self-dumping hopper or design a custom dump hopper for those special applications. Contact our engineering and sales staff at either plant to discuss your specific needs and ideas.

Common applications: metal scrap, stampings, sand, sawdust, glass, rubber, coal, ash and construction material.

RUGGED HOPPERS INCLUDE THE FOLLOWING FEATURES:

- Exclusive pierced and extruded trunnion track with taper pins for outstanding wear resistance.
- All hopper bodies are constructed of thick 7-gauge carbon steel.
- The strongest heavy duty box tube base for all 8,000 lbs. models
- Two bottom support channel plus side and back angles for additional reinforcement on hopper body.
- Base to body chains and continuous stop bar on all 8,000 lbs. models provide extra reinforcement to stops.



Product Category: Casters/Wheels

Part Number: CAS-08-PY-C

Description: 8" x 2" Polyurethane casters, complete set, - 2 fixed & 2 swivel.



Polyurethane Wheel (Sizes 4" x 2", 6" x 2", 8" x 2", and 10" x 3") A quiet rolling wheel with a molded-on polyurethane tread on a steel core. Non-marking, resists oil, water, grease, and most solvents. Available on models up through 680 and capacities up to 4800# for 8" wheels and 8000# for 10" wheels.



Item Description:
Hopper, self-dumping, 2 yard

Mark No.:

5464

Page 2 of 2

EQUIPMENT CUTSHEET



 **ECO LIFT**

Heavy Duty In-Ground Lift Capacities: 60,000 & 90,000 lbs

High Pressure / Low Volume

The high-pressure cylinders require only 3.5 gallons of hydraulic oil each – a total of 7 gallons for the lift (ECO 60), compared to 90 gallons for other low pressure / high volume lifts.

The double-acting cylinders have internal main seals, resulting in better performance and greater reliability.

Ultra-Shallow Construction

The innovative 34-inch pit depth compares favorably to traditional

10-ft deep pits, making the ECO LIFT particularly suitable for high water table, bedrock, and suspect soil conditions.

Time and money are saved thanks to shallower excavation, safer construction and less concrete.



Item Description:

Lift, axle, adjustable, 2 post, scissor, 60,000 pounds

Mark No.:

5645

Page 1 of 3

EQUIPMENT CUTSHEET

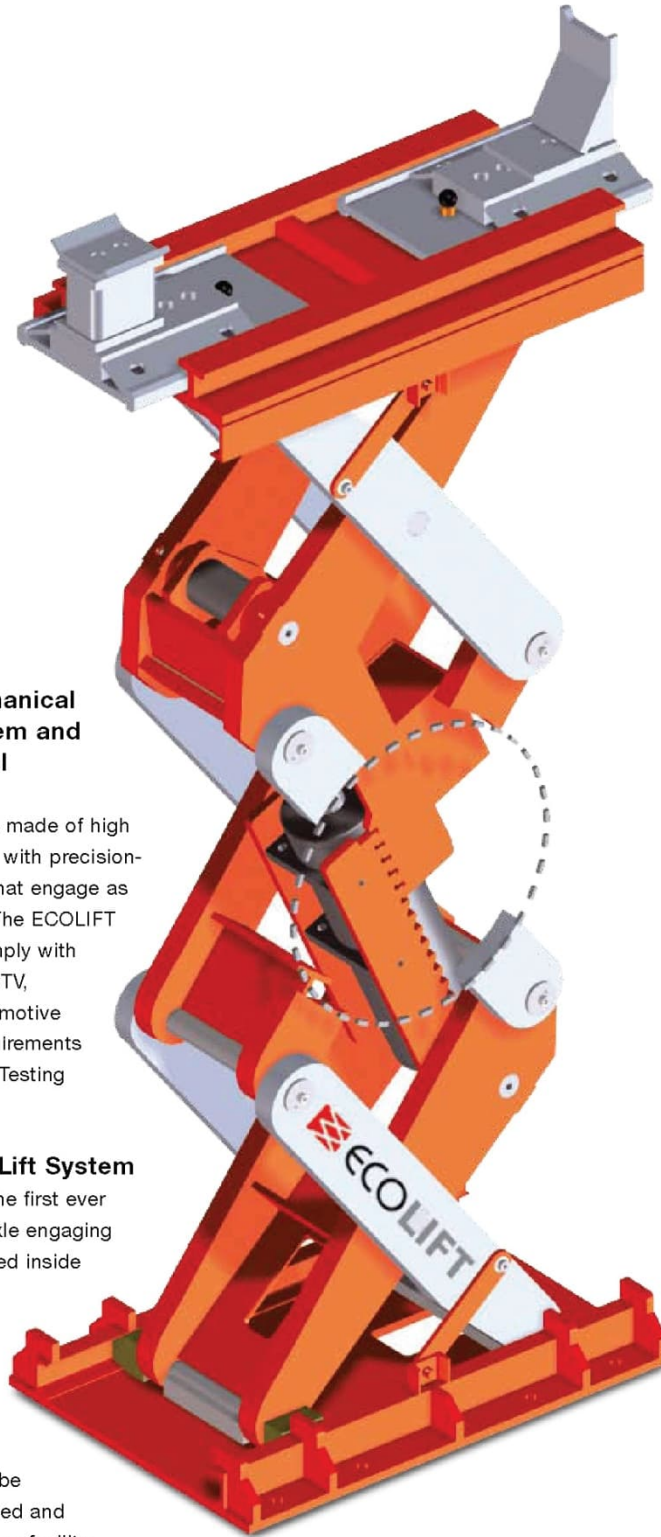
Safety - Mechanical Locking System and Environmental Containment

The lock-jaws are made of high strength T-1 steel with precision-cut radius teeth that engage as the lift ascends. The ECOLIFT is certified to comply with the ALI/ANSI ALCTV, standard for Automotive Lift – Safety Requirements for Construction, Testing and Validation.

Re-locatable Lift System

The ECOLIFT is the first ever drop-in, bolt-in axle engaging lift system mounted inside a pit trench 34" deep and 50" wide.

The lift has no concrete-embedded components and can be completely removed and relocated in another facility.



Control System

The freestanding, fully accessible control console uses reliable, industry-proven, PLC technology providing: synchronized lifting, independent raise and lower controls, forward/rearward carriage adjustments and a mechanical locking function – all operated from push-buttons controls.



The console also has an optional remote pendant that allows flexible positioning for the mechanic to increase visibility when spotting and engaging the axles.

The ECOLIFT has an easily accessible mechanism to safely lower the lift in the event of power failure. The main hydraulic pumps, motor, and controls are mounted in the above-ground, free-standing console and not under the vehicle.

Continuous Recess

The front lifting unit recesses flush with the floor in every wheelbase position and is not limited to one recessed location. This is particularly beneficial for low-floor transit buses that either back in over the front post or when the front post has to be moved to accommodate another low-floor vehicle with a different wheelbase. The continuous covers are made from extruded, orthotropically shaped structural aluminum and form a continuous, strong surface. The structural covers can support a 7,500 lb point load, and 13,500 lb drive-over load. They attach to the front lift carriage and move to keep the pit always covered.



Item Description:

Lift, axle, adjustable, 2 post, scissor, 60,000 pounds

Mark No.:

5645

Page 2 of 3

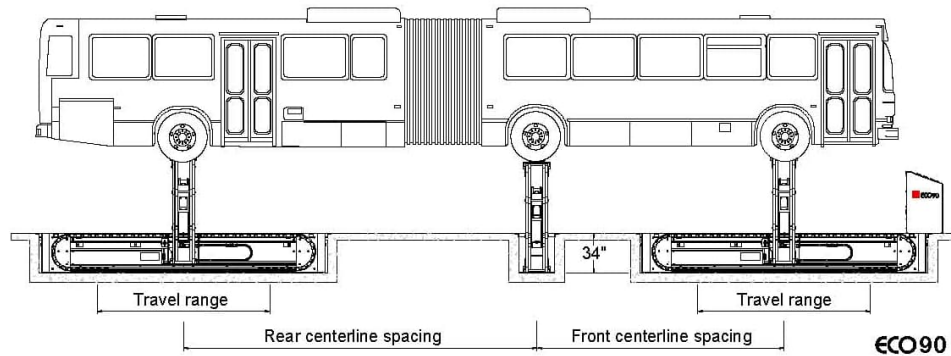
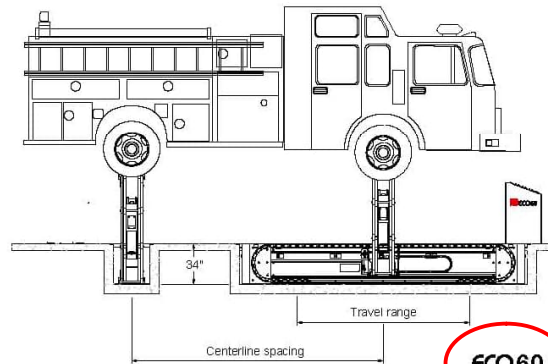
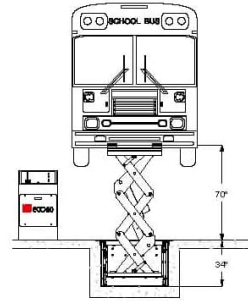
EQUIPMENT CUTSHEET

Specifications

Lifting capacities: 60,000 & 90,000 Lbs
 Lifting system: fully hydraulic lifting system
 with double acting cylinders,
 low oil volume requirements.
 Lifting height: 70"
 Lifting time: 80 seconds
 Compressed air: filtered / regulated for 5CFM
 at 90 PSI
 Electrical: 3 phase, 208-230/460 Volt,
 30-28/15 Amps
 Motor power: 10 hp
 Pit depth: 34"
 Travel Range: 120", 156" , 204" , 252",
 Travel range
 Minimum wheelbase: 72"

More information?

For more specific information about the Stertil Koni
 ECOLIFT or one of the other quality products from
 Stertil Koni, please contact us for further assistance.



ster til KONI

Stertil-Koni U.S.A. Inc., 200 Log Canoe Circle, Stevensville, Maryland 21666

Tel. 410-643-9001 Toll free 800-336-6637 Fax 410-643-8901 www.stertil-koni.com E-mail: lifts@stertil-koni.com



Item Description:

**Lift, axle, adjustable, 2 post, scissor, 60,000
 pounds**

Mark No.:

5645

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EQUIPMENT CUTSHEET

MCHW18

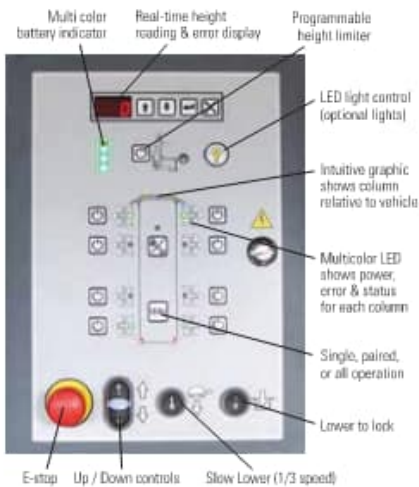
WIRELESS MACH™ SERIES LIFTS MOBILE LIFTING TECHNOLOGY WITH INTUITIVE CONTROLS AT EACH COLUMN

The MACH SERIES Mobile Column lift system is the faster and easier choice for your maintenance facility. The set-up time and lifting speed beats the competitor hands down with fewer steps required by the technician to put the lift in service.

Industry exclusive intuitive control console
- no master / slave column



WATCH THE PRODUCT VIDEO
Learn more about our industry-leading lift features



OPTIONAL WIRED / CORDED COLUMN COMMUNICATION Includes Retractable Cord Reels with Quick Connect Cables

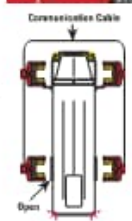
Easy one-handed connectivity between columns, don't waste time handling cables every time you use the lift.

Innovative Horseshoe Wiring

Wired MCH columns use just three cables which form a horseshoe, so the front or back of the lift is always open. Vehicles can be driven in and out of the bay without having to disconnect and reconnect cables saving time with each service.

NOTE: Wired column configuration is a FIELD UPGRADE ONLY.

Consult factory representative for details



AC POWERED LIFT OPTION

Operate your mobile lifting system without the use of batteries.

- 208/230/460 VAC available
- Sold in groups of 2 and 4 configurations

Consult factory representative for details



Rotary wireless MACH™ SERIES feature column capacities at 18,000 lbs. in multiple configurations.

Rotary's versatile wireless mobile column lifts give you the option of not being tied to a bay. Easy to use design gives techs the option to control lift from any column.

Take advantage of the power and mobility to make your repairs anywhere in your shop!

Battery operated with on-board charger - no power cords to clutter up the service bay. 24V DC batteries with 110V charging system. Group of 2. Batteries purchased separately for international use.

Inverted hydraulic cylinder rod located inside the carriage, protects chrome piston rod from debris and damage.

Easy to move adjustable forks improve set up time.

Spring loaded steering and braking system eliminates the need to manually operate the jacks. Automatically prevents movement on sloped floors.

Forklift pockets provide convenient way to relocate columns within your shop.

All models are **ALI Gold Certified**

18,000 LBS. COLUMN CAPACITIES **MCHW18 | WIRELESS**

Group of 2 columns / 36,000 lbs. Capacity

Group of 4 columns / 72,000 lbs. Capacity

Group of 6 columns / 108,000 lbs. Capacity

Group of 8 columns / 144,000 lbs. Capacity



Rise	70" (1778 mm)
Column width	45.5" (1156 mm)
Wheel Rim Size	9" to 24" (228 to 610 mm)
Clearance / fork to column	10" (254 mm)
Speed of rise	78 seconds
Charging voltage	110v charger* (2.5 amps max.)

* Call factory for alternate voltage



Item Description:

Lift, column, hydraulic, battery powered, 6-set, 108,000 pounds

Mark No.:

5696

Page 1 of 2

EQUIPMENT CUTSHEET

OPTIONAL RUNWAY LIFT ACCESSORIES

Rolling Bridge Jacks

Air operated rolling bridge jacks can be attached to the runways creating additional lifting options for greater versatility.

FOR 36,000 lbs. CAPACITY LIFTS

RJ14ABK / 14,000 lbs (6350 kg) with lock

RJ22ABK / 22,000 lbs (9979 kg) with lock

FOR 60,000 lbs. CAPACITY LIFTS

RJ25BK / 25,000 lbs (11363 kg) with lock



Air operated rolling bridge jacks

Portable Maintenance Jack Stands

RS20YL / Screw-Type Adjustable

56.1"-82.3" / 20,000 lbs. Capacity

RS20WYL / Welded Version of RS20YL

34.3"-55.5" / 20,000 lbs. Capacity

RS20S2YL / Screw-Type Adjustable

55.31"-82.28" / 36,000 lbs. Capacity



All jack stands meet the required ASME PASE-2014 safety requirements for portable service equipment.

Always use safety stands when installing or removing heavy components.

Air Operated Tire and Wheel Lifts

Offers maximum maneuverability and adjustable lifting and lowering speeds. Provides technicians with responsive and easy positioning of the tire and wheel, easy alignment of the wheel and hub and a quick transfer to the wheel balancer. Includes air hose and auxiliary air tool connection.

MW-200 / 200 lbs. capacity

MW-500 / 500 lbs. capacity



LED Runway Lighting Kit

FA5700 / TECH LIGHT™ Line Light 4



Attach the four 54" light wands to runways for effective, efficient lighting where you need it.

Lighting unit includes

160W power supply unit

16' cable lengths

11 magnetic suspensions

100V AC input voltage at 60Hz

Drive-Thru Ramp Kit

M140099RD / 10' Ramps

Adding a drive-thru ramp kit creates a quick and easy on-off service operation for service bays.



Item Description:

Lift, column, hydraulic, battery powered, 6-set, 108,000 pounds

Mark No.:

5696

Page 2 of 2

EQUIPMENT CUTSHEET

Rotary V-REX® VERTICAL RISE LIFTS

DRIVE-ON LIFT SERIES ENGINEERED FOR COMMERCIAL VEHICLES

44,000 / 64,000 / 80,000 lbs. CAPACITIES

V-REX

SAVING VALUABLE SPACE AND MONEY

Designed for facilities with limited bay space, the patented V-REX lift provides versatile heavy duty vertical lifting.

INDUSTRY LEADING VERSATILITY

The V-REX offers a clear space design in and around a massive lifting structure, giving you ultimate clearance around a true clear floor. The specially designed platforms are engineered with the industry's lowest deflection rates. Rotary's exclusive leg design manages all this heavy lifting on rotational hinge links optimizing efficiency while providing strength. Sliding components and heavy-duty bearings ensure a long productive life with limited maintenance.

An internal stroke measuring system keeps the platforms level. This system is in the cylinder itself, protected from the elements and rated for submersion. There are no obstructions, like cross beams and columns, found in other platform lifts. These features are proof once again that Rotary engineers think through every detail.



Proudly built in
Madison, Indiana, USA

PRODUCTIVITY and PERFORMANCE FEATURES

- 3 heavy duty lifting capacities with 5 runway lengths
- 77" vertical rise
- Simple, easy to understand controls
- 3 installation configurations: Surface / Recessed Pit / Flush
- Extra wide, non-slip platforms for easy drive on and off with front wheel stops and automatic rear chocks
- 10' extended, low-profile ramps standard
- Standard zinc and epoxy paints provide dual layers of protection
- Environmentally friendly - bio compatible and 99% recyclable
- Built in Madison, Indiana, USA
- ALI third-party Gold Certified



Open Front and Rear Design
Working clearance through the entire middle of lift



Widest Platform Top
Greater drive on area with non-skid platform surface



Strongest Torque Box Design in the Industry

Engineered tubular steel creates a rigid platform perfect for heavy loads or alignment

Independent Runways
are specially designed to minimize deflection under the heaviest loads



Shown: VRX80-48X
80,000 lbs. capacity surface mounted lift with optional rolling jacks



Item Description:
Lift, drive-on, vertical rise, surface mount,
80,000 lb, 48 ft

Mark No.:
5713
Page 1 of 3

EQUIPMENT CUTSHEET

The Rotary V-REX™ services your largest vehicles while setting a new strength and reliability standard in vertical rise lifts.

INNOVATIVE PATENTED LEG DESIGN

LIFT THE LARGEST VEHICLES WITH EASE

The V-REX linkage transfers lower forces to the foundation, optimizing efficiency. Composite bearings require less maintenance. Legs rotate and pivot rather than slide to increase efficiency and reduce wear. The 2" solid steel leg construction performs better than plate / tube combinations. Installation costs are lower versus other platform styles due to fewer anchors.



Sealed Cylinder with Direct Measuring

The technology incorporated within the cylinder directly measures cylinder stroke keeping the platforms level. Sensors inside the cylinder prevent damage and expensive recalibration visits.

Each leg assembly hydraulic system "breathes" at the control panel, improving cycle life and eliminating downtime.



Superior Mechanical Locks

Rotary's proven negative rake mechanical locks on each leg are monitored for increased reliability and operation. High strength, wear resistant steel locks engage in place easier than other designs.

Control Unit

Built with robust, simple buttons and switches for long life, the lift can be programmed with multiple height presets.

The microprocessor-controlled unit monitors all mechanical and electrical synchronization systems at over 125 times per second.

Available with optional pendant controls.



Item Description:

Lift, drive-on, vertical rise, surface mount,
80,000 lb, 48 ft

Mark No.:

5713

Page 2 of 3

EQUIPMENT CUTSHEET

V-REX VERTICAL RISE SPECIFICATIONS



Surface mounted and flush mounted models are available in each capacity and length.

V-REX MODELS Standard Colors are Blue, Red and Black. Legs and Console are gray.	V-REX 44 FOUR-LEG SCISSOR DESIGN	V-REX64 FOUR-LEG SCISSOR DESIGN	V-REX80 FOUR-LEG SCISSOR DESIGN
Lift Capacities*	44,000 lbs.	64,000 lbs.	80,000 lbs.
Available Runway Lengths	28' / 30' / 32' / 36'	28' / 30' / 32' / 36' / 48'	28' / 30' / 32' / 48'
Overall Lengths with Standard 10' Ramps	38' / 40' / 42' / 46' / 58'		
Maximum Rise Bottom of base to runway top	77 3/4"		
Collapsed Height	16 1/4"		
Rise Time	90 seconds		
Width of Runway	32"		
Min Adapter Height	4 7/8"	4 1/4"	4 1/4"
Overall Width	109"		
Distance Between Runways	45"		
Motor	20 hp		
Electrical Standard	3 hp, 208-230 / 460 / 575		
Number of Legs	4		
Minimum Floor Thickness	6"		

*Please contact a factory representative for additional detailed information concerning lift capacities and available runway lengths.

OPTIONAL ACCESSORIES

RJ22 / 22,000 lbs. (9979 kg) Rolling jacks with lock

RJ32 / 32,000 lbs. (14510 kg) Rolling jacks with lock

RJ36 / 36,000 lbs. (19051 kg) Rolling Jack with lock

AB100004RD / Retractable Wheel Kit for Rolling Jack

V40006 / Built-in Internal Air Connection

V40007 / 8 ft. (2.4m) Drive-thru ramp kit / recommended for heavy trucks

V40008 / 10 ft. (3m) Drive-thru ramp kit / recommended for heavy trucks

V40009 / 12 ft. (3.7m) Drive-thru ramp kit / recommended for transit buses

28' PIT COVERS / 28' & 30' Runway Version, kit is for both runways

36' PIT COVERS / 36' Runway Version, kit is for both runways

48' PIT COVERS / 48' Runway Version, kit is for both runways

APAUXHT / Height Limiter included on all VRX models
- activated with Rotary Programming Tool

Audible alarm / included on all VRX models
- activated with Rotary Programming Tool

V40034 Light Kit (pair)

Kits required: 28'-30'=3 kits; 32'-36'=4 kits; 48'=5 kits

V40010 / VRX Pendant Controls

Cord Reel / VRX Cord Reel for the Pendant (sold separately)

Tapeswitch (per ft. example: 48' outside only 134 x 48 = 6432)
Order by specifying Inside, Outside or Both. Factory installed.

V40011 / Stainless Steel remote panel for controlling washbay units

Accessories to be confirmed with client at time of purchase.

OPTIONAL ACCESSORIES



Air Hydraulic

Rolling Bridge Jacks

allow the front, rear, or all wheels to be lifted off the runways for brake, tire, alignment and suspension work. Jacks are supported between runways.

Available in 22,000, 32,000 and 36,000 lbs. capacities

Optional alignment accessory kits ready for use with Rotary HD Commercial Truck alignment system



FA5211Kit / 7,500 lbs. capacity per plate

FA5396 / 10,000 lbs. capacity per plate

FA5212Kit / 15,000 lbs. capacity per plate



Pendant Controls

The pendant allows for remote operation away from the lift console.



MW-500 Tire Lift
500 lbs. capacity

Air operated (100 psi) with no batteries. Includes pressure regulator to prevent overloading.



Wash Bay Kits can be installed in wash bays for easy vehicle cleaning with a certified remote stainless steel control panel.
CONTACT FACTORY FOR DETAILS.



Item Description:

Lift, drive-on, vertical rise, surface mount,
80,000 lb, 48 ft

Mark No.:

5713

Page 3 of 3

EQUIPMENT CUTSHEET

Rotary V-REX® VERTICAL RISE LIFTS

DRIVE-ON LIFT SERIES **ENGINEERED FOR COMMERCIAL VEHICLES**

44,000 / 64,000 / 80,000 lbs. CAPACITIES

V-REX

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Designed for facilities with limited bay space, the patented V-REX lift provides versatile heavy duty vertical lifting.

INDUSTRY LEADING VERSATILITY

The V-REX offers a clear space design in and around a massive lifting structure, giving you ultimate clearance around a true clear floor. The specially designed platforms are engineered with the industry's lowest deflection rates. Rotary's exclusive leg design manages all this heavy lifting on rotational hinge links optimizing efficiency while providing strength. Sliding components and heavy-duty bearings ensure a long productive life with limited maintenance.

An internal stroke measuring system keeps the platforms level. This system is in the cylinder itself, protected from the elements and rated for submersion. There are no obstructions, like cross beams and columns, found in other platform lifts. These features are proof once again that Rotary engineers think through every detail.



**Proudly built in
Madison, Indiana, USA**

PRODUCTIVITY and PERFORMANCE FEATURES

- 3 heavy duty lifting capacities with 5 runway lengths
- 77" vertical rise
- Simple, easy to understand controls
- 3 installation configurations:
Surface / Recessed Pit / Flush
- Extra wide, non-slip platforms for easy drive on and off with front wheel stops and automatic rear chocks
- 10' extended, low-profile ramps standard
- Standard zinc and epoxy paints provide dual layers of protection
- Environmentally friendly - bio compatible and 99% recyclable
- Built in Madison, Indiana, USA
- ALI third-party Gold Certified



Open Front and Rear Design
Working clearance through the entire middle of lift



Widest Platform Top
Greater drive on area with non-skid platform surface



Independent Runways
are specially designed to minimize deflection under the heaviest loads

Strongest Torque Box Design in the Industry

Engineered tubular steel creates a rigid platform perfect for heavy loads or alignment



Shown: VRX80-48X
80,000 lbs. capacity surface mounted lift with optional rolling jacks



Item Description:

Lift, drive-on, vertical rise, recessed, wet environment, 80,000 lb, 48 ft

Mark No.:

5715

Page 1 of 3

EQUIPMENT CUTSHEET

The Rotary V-REX™ services your largest vehicles while setting a new strength and reliability standard in vertical rise lifts.

INNOVATIVE PATENTED LEG DESIGN

LIFT THE LARGEST VEHICLES WITH EASE

The V-REX linkage transfers lower forces to the foundation, optimizing efficiency. Composite bearings require less maintenance. Legs rotate and pivot rather than slide to increase efficiency and reduce wear. The 2" solid steel leg construction performs better than plate / tube combinations. Installation costs are lower versus other platform styles due to fewer anchors.



2" and 3" pins provide increased surface area to reduce loading on the pivoting members.

Sealed Cylinder with Direct Measuring

The technology incorporated within the cylinder directly measures cylinder stroke keeping the platforms level. Sensors inside the cylinder prevent damage and expensive recalibration visits.

Each leg assembly hydraulic system "breathes" at the control panel, improving cycle life and eliminating downtime.



Communication cables are protected in an industrial energy chain.



Superior Mechanical Locks

Rotary's proven negative rake mechanical locks on each leg are monitored for increased reliability and operation. High strength, wear resistant steel locks engage in place easier than other designs.

Control Unit

Built with robust, simple buttons and switches for long life, the lift can be programmed with multiple height presets.

The microprocessor-controlled unit monitors all mechanical and electrical synchronization systems at over 125 times per second.

Available with optional pendant controls.



FIVE AVAILABLE RUNWAY LENGTHS

Overall Lengths with Standard 10' Ramps / 38' / 40' / 42' / 46' / 58'



Item Description:

Lift, drive-on, vertical rise, recessed, wet environment, 80,000 lb, 48 ft

Mark No.:

5715

Page 2 of 3

EQUIPMENT CUTSHEET

V-REX VERTICAL RISE SPECIFICATIONS



Surface mounted and flush mounted models are available in each capacity and length.

V-REX MODELS Standard Colors are Blue, Red and Black. Legs and Console are gray.	V-REX 44 FOUR-LEG SCISSOR DESIGN	V-REX64 FOUR-LEG SCISSOR DESIGN	V-REX80 FOUR-LEG SCISSOR DESIGN
Lift Capacities*	44,000 lbs.	64,000 lbs.	80,000 lbs.
Available Runway Lengths	28' / 30' / 32' / 36'	28' / 30' / 32' / 36' / 48'	28' / 30' / 32' / 48'
Overall Lengths with Standard 10' Ramps	38' / 40' / 42' / 46' / 58'		
Maximum Rise Bottom of base to runway top	77 3/4"		
Collapsed Height	16 1/4"		
Rise Time	90 seconds		
Width of Runway	32"		
Min Adapter Height	4 7/8"	4 1/4"	4 1/4"
Overall Width	109"		
Distance Between Runways	45"		
Motor	20 hp		
Electrical Standard	3 hp, 208-230 / 460 / 575		
Number of Legs	4		
Minimum Floor Thickness	6"		

*Please contact a factory representative for additional detailed information concerning lift capacities and available runway lengths.

OPTIONAL ACCESSORIES

RJ22 / 22,000 lbs. (9979 kg) Rolling jacks with lock
RJ32 / 32,000 lbs. (14510 kg) Rolling jacks with lock
RJ36 / 36,000 lbs. (19051 kg) Rolling Jack with lock
AB100004RD / Retractable Wheel Kit for Rolling Jack

V40006 / Built-in Internal Air Connection

V40007 / 8 ft. (2.4m) Drive-thru ramp kit / recommended for heavy trucks
V40008 / 10 ft. (3m) Drive-thru ramp kit / recommended for heavy trucks
V40009 / 12 ft. (3.7m) Drive-thru ramp kit / recommended for transit buses

28' PIT COVERS / 28' & 30' Runway Version, kit is for both runways
36' PIT COVERS / 36' Runway Version, kit is for both runways
48' PIT COVERS / 48' Runway Version, kit is for both runways

APAUXHT / Height Limiter included on all VRX models
 - activated with Rotary Programming Tool

Audible alarm / included on all VRX models
 - activated with Rotary Programming Tool

V40034 Light Kit (pair)
 Kits required: 28'-30'=3 kits; 32'-36'=4 kits; 48'=5 kits

V40010 / VRX Pendant Controls
Cord Reel / VRX Cord Reel for the Pendant (sold separately)

Tapeswitch (per ft. example: 48' outside only 134 x 48 = 6432)
 Order by specifying Inside, Outside or Both. Factory installed.

V40011 / Stainless Steel remote panel for controlling washbay units

Accessories to be confirmed with client at time of purchase.

ALL UNIT COMPONENTS SHALL BE SUITABLE FOR USE IN A WET ENVIRONMENT

OPTIONAL ACCESSORIES



Air Hydraulic Rolling Bridge Jacks

allow the front, rear, or all wheels to be lifted off the runways for brake, tire, alignment and suspension work. Jacks are supported between runways.

Available in 22,000, 32,000 and 36,000 lbs. capacities

Optional alignment accessory kits ready for use with Rotary HD Commercial Truck alignment system



FA5211Kit / 7,500 lbs. capacity per plate
FA5396 / 10,000 lbs. capacity per plate
FA5212Kit / 15,000 lbs. capacity per plate



Pendant Controls

The pendant allows for remote operation away from the lift console.



MW-500 Tire Lift

500 lbs. capacity
 Air operated (100 psi) with no batteries. Includes pressure regulator to prevent overloading.



Wash Bay Kits can be installed in wash bays for easy vehicle cleaning with a certified remote stainless steel control panel.
 CONTACT FACTORY FOR DETAILS.



Item Description:
 Lift, drive-on, vertical rise, recessed, wet environment, 80,000 lb, 48 ft

Mark No.:
5715
 Page 3 of 3

EQUIPMENT CUTSHEET

Ultra-Spill Pallet®

Fluorinated Model



Spill pallets constructed with fluorinated polyethylene (LLDPE) to withstand chlorinated solvents

Fluorinated spill pallets are constructed using the same 100% polyethylene (LLDPE) design as the Ultra-Spill Pallets, which provides excellent support for heavy loads and increased accessibility for pouring and transporting.

While the design is the same, fluorinated spill pallets are treated with a process known as fluorination, which makes them compatible with more aggressive chemicals and certain chlorinated solvents.

Product Highlights

- High load capacity: 6,000 lbs. for Ultra-Spill Pallet P4, 3,000 lbs. for Ultra-Spill Pallet P2.
- 100% fluorinated polyethylene (LLDPE) construction compatible with a wide range of aggressive chemicals.

Ultra-Spill Pallet P4, Fluorinated Model

Product Data Sheet

Part#	1232 - with drain. 1233 - no drain.
Dimensions In. (mm)	51 x 51 x 10 (1295 x 1295 x 254)
Load Capacity UDL lb.(kg)	6,000 (2722)
Sump Capacity gal (L)	66 (250)
Weight lb. (kg)	80.0 (36.0)
Forklift Access	4-way
# per Pallet	10
Composition	Linear Low Density Polyethylene (LLDPE) with UV inhibitors and fluorination gas treatment.
Color	Light Blue
Compliance	Spill Prevention, Control and Countermeasure Act (SPCC). 40 CFR 264.175



Item Description:
Pallet, containment, hazardous materials

Mark No.:

5785

Page 1 of 1

EQUIPMENT CUTSHEET

GFI DUALPORT vault equipment ensures the secure transfer of revenue from the cashbox to the counting room. DUALPORT vaults use GFI's unique Dualport Cashbox Receiver, which securely maintains the separation of bills and coins. The money is deposited in separate storage chambers within the revenue collection bin.

Dualport vault equipment gives you the security and reliability required to maintain the integrity of revenues collected from your fare collection equipment.

DUALPORT Vaults are available in mobile and stationary models. A cashbox and bin ID system for electronic monitoring of vault and cashbox operations is also available.

Garival and GFI Genfare are leading suppliers of revenue collection equipment to transit systems.

The GFI DUALPORT Revenue Collection System consists of a cashbox receiver mounted on either a stationary vault unit or a mobile bin.



Both vaults feature an interlock system that protects collected revenues from theft by requiring a secure sequence of events and conditions.

With this sequence, the receiver module accepts the locked cashbox, and, when secure, mechanically opens the cashbox (inside the receiver). It then empties the contents into a vault below within 15 seconds. It keeps coins separate from the bills in the vault and then closes and locks the cashbox - allowing it to be returned to the farebox.

GFI's revenue collection system is one part of a process that keeps collected money secure and untouched after the patron deposits it in the farebox until accounting/treasury personnel handle it in the counting room.

Vault constructed welded and ground 1/8 inch non-corroding steel plate. Surface is painted with weather resistant enamel, door and interior made with stainless steel.

Overall dimensions: 38" W x 41" D x 66" H



Item Description:
Vault/receiver, farebox, mobile bin

Mark No.:
7800
Page 1 of 2

EQUIPMENT CUTSHEET

Dualport Vault Features:

- ✧ Heavy-duty construction
- ✧ Employs exclusive cashbox receiver for secure transfer of currency from fare collection equipment to vault
- ✧ Fully mechanical operation (no electricity required)
- ✧ Weather, oil, and diesel fuel-resistant
- ✧ Stand-alone structure, no additional supports or overhead enclosures required
- ✧ Optional security alarm hook-ups
- ✧ Cashbox ID
- ✧ Bin ID

Stationary vault

The GFI Stationary Vault, usually installed in a secure counting room adjacent to bus service islands, provides a convenient and secure method of daily revenue transfer. It gives the transit agency the flexibility to securely transfer individual farebox revenue during regular bus servicing and then process consolidated revenue, from all buses, the following day in a secure counting room. A through-wall installation allows access to the cashbox receiver from outside the counting room. After removal from the farebox, the cashbox is inserted into the receiver, where a highly secure mechanism opens the cashbox and transfers its contents into the vault's separate coin and bill compartments. Two large high-security revenue discharge doors (one for coins and one for the bills) allow authorized personnel access only when they are inside the counting room.

Mobile Vault

GFI Mobile Vaults are commonly installed on bus service islands to provide convenient access for revenue transfer during daily routine bus servicing. The vault enclosure is permanently installed and serves as a secure weather-resistant housing for the cashbox receiver and a removable mobile collection bin. The cashbox receiver permits the cashbox contents to be transferred into the mobile bin. The highly-secure mobile bin separates and stores the collected revenue in dual compartments; one for coins/tokens and one for bill/tickets. The mobile bin can only be removed from the vault and transported in a closed and locked condition. The bin is then moved to a secure counting room.

The GFI Mobile Vault gives the transit agency the flexibility of safely transferring and consolidating farebox revenue at bus facilities or remote locations and processing those revenues at a central location.



Item Description:
Vault/receiver, farebox, mobile bin

Mark No.:

7800

Page 2 of 2

EQUIPMENT CUTSHEET

HVC200 | HVC300 | HVC360

Scalable Charging for Heavy-Duty EV Fleets



Versatile
Configuration

≤ 4

Dispensers in Parallel

Flexible Site
Design

$\leq 150\text{m}$

Between Cabinet and
Dispenser

AECOM

Item Description:
Charging Cabinet, 200kW, DC Output

Mark No.:

8000

Page 1 of 3

EQUIPMENT CUTSHEET

Power Specification

DC Output:

Output Power: **HVC200**: up to 200 kW shared between 1 - 4 outlets

HVC300: up to 300 kW shared between 1 - 4 outlets

HVC360: up to 360 kW shared between 1 - 4 outlets

Dynamic Power Sharing: **HVC200**: 50 kW power granularity |

HVC300: 75 kW power granularity | **HVC360**: 90 kW power granularity

Output voltage: 150 - 940 V

Output current (peak):

HVC200: 285 A at 700 V DC, 250 A at 800 V DC

HVC300: 430 A at 700 V DC, 375 A at 800 V DC

HVC360: 500 A at 720 V DC, 450 A at 800 V DC

Number of outlets: can be connected to 2 or 4 outlets

Total system efficiency: 94 - 96 %

AC Input:

Nominal voltage: (CE): 400 Vac (NA): 480 Vac

Nominal input current (RMS): (CE): 315 A (NA): 262 A

AC power rating: (CE): 218 kVA (NA): 218 kVA

Frequency: (CE): 50 Hz ($\pm 4\%$) (NA): 60 Hz

Earthing systems: TN-C, TN-C-S, TN-S, TT

Inlet cable size: AC power cable 3P+PE max.:

240 mm² / 500 MCM AWG

Power factor: ≥ 0.98 (Output power ≥ 10 kW)

Total Harmonic Distortion (THD): $< 5\%$

Overvoltage category: III

SPD: Type 2

System Specification

Operating Conditions:

Operating from $-35\text{ }^{\circ}\text{C}$ to $55\text{ }^{\circ}\text{C}$ ($-31\text{ }^{\circ}\text{F}$ to $131\text{ }^{\circ}\text{F}$)

Storage / transport from $5\text{ }^{\circ}\text{C}$ to $40\text{ }^{\circ}\text{C}$ ($-22\text{ }^{\circ}\text{F}$ to $104\text{ }^{\circ}\text{F}$)
with relative humidity 5 to 85 %

Altitude: up to 2000 m (6562 ft)

Humidity: 5 - 95 % non-condensing as standard

Impact resistance: (CE): IK10 (cabinet) (NA): NEMA 3R

IP rating: IP54 (cabinet)

Noise emission:

HVC200: 64 dB(A) @ 1 m front side, $20\text{ }^{\circ}\text{C}$ ($68\text{ }^{\circ}\text{F}$), full power

HVC300 | 360: 61 dB(A) @ 1 m front side, $20\text{ }^{\circ}\text{C}$ ($68\text{ }^{\circ}\text{F}$), full power

Intended use: indoor and outdoor

Mounting options: floor mounted

Environment pollution degree: Class 3 (outside), Class 2 (inside)

Product Characteristics:

Dimensions (H x W x D): 2180 x 1170 x 770 mm (85.8 x 46.1 x 30.3 in)

Weight: **HVC200**: 830 kg (1830 lbs) | **HVC300**: 890 kg (1962 lbs) |

HVC360: 950 kg (2094 lbs)

Color: RAL 9002

Enclosure type: AISI 430 Stainless steel

Corrosion resistance: C5-H

EQUIPMENT CUTSHEET

Customer Interface

Lighting:	RGB LED on the power cabinet, 1 per outlet
Charging Interface Options:	Connector based (CCS1, 2, NACS), Panto-Down and Panto-Up
Emergency Button:	External EMG button (optional)
Remote Management:	Access control, configuration, diagnostics, software updates
Service Access:	Front door

Electrical Connection (Cabinet - Dispenser)

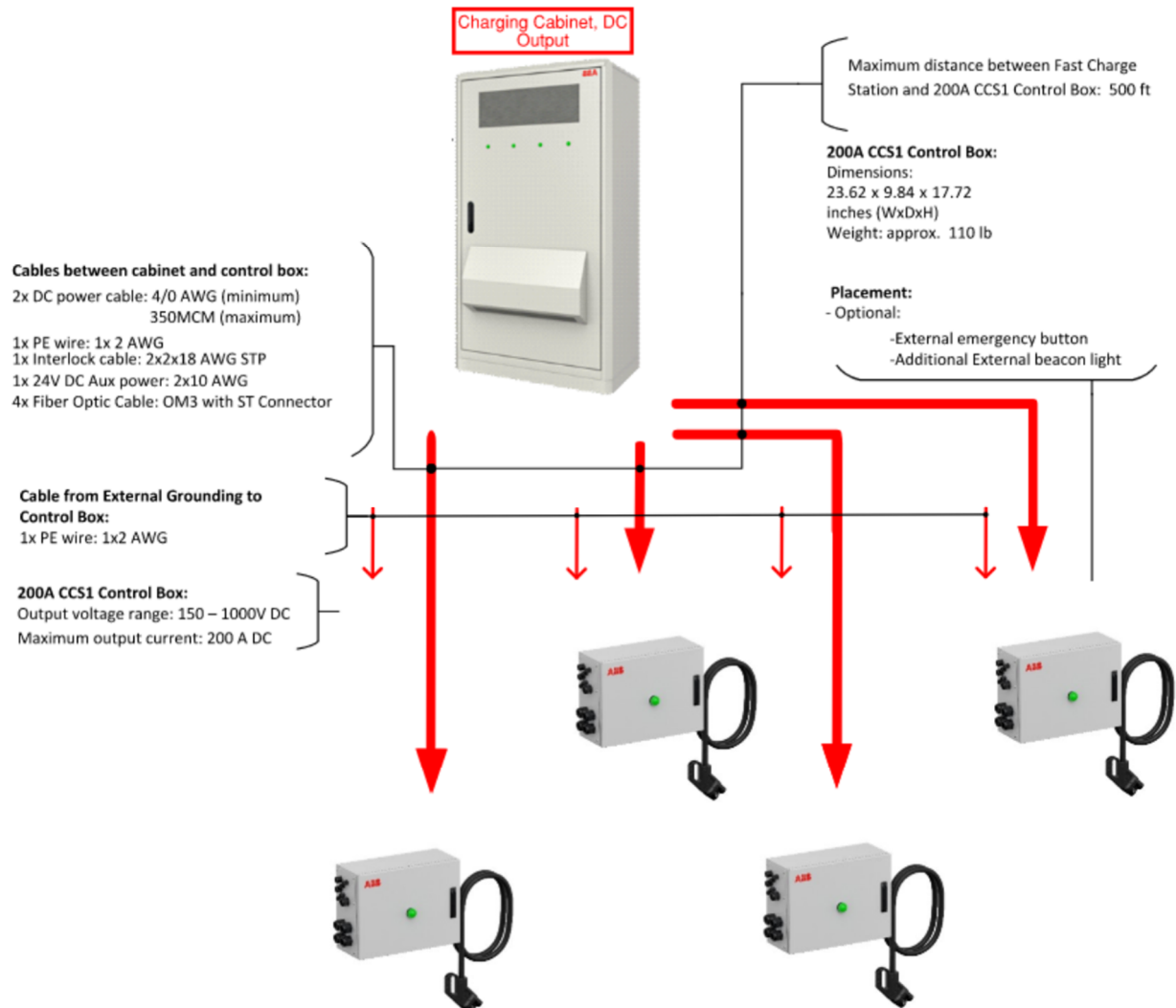
DC Power Cable:	(CE): 2 or 4 x 185 mm ² (max.) (NA): 2 or 4 x 350 MCM AWG (max.)
Auxiliary AC Supply from Cabinet:	(CE): 230 V AC (3 x 4 mm ²) (NA): 110 V AC (3 x 12 AWG)
Interlock Cables:	(CE): 2 x 2 x 0.75 mm ² + shield (NA): 2 x 2 x AWG18 + shield
Distance & Communication :	(CE): Ethernet (up to 100 m), Fiber optional (up to 150 m) (NA): Fiber (up to 492 ft)

Standards & Compliance

Safety Standards:	IEC 61851-1 ed 3, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, UL 2202, CSA 22.2
Metering:	(CE): Eichrecht (in development)
EMC:	Standard: EMC-Class A Conducted and Radiated, IEC 61851-21-2
Electrical Safety:	(CE): IEC 61439-7 (NA): NEC (NFPA 70)
Manufactured:	USA & Europe
Network Communication Protocol:	OCPP 1.6 JSON
Vehicle Communication Protocol:	DIN 70121, ISO/IEC 15118 series ed 1 with PnC and EIM
Short Circuit Current Rating:	(CE): 25 kA (NA): 65 kA
Additional Standards:	Cabinet IP rating according to IEC 60529:1989+AMD2:2013+COR1:2019
Designed Lifespan:	10 years

EQUIPMENT CUTSHEET

200A CCS1 Control Box UL



EQUIPMENT CUTSHEET



PUMP MEASURE CONTROL
Fuel Dispensing and Metering Solutions

Meter Stand Fuel Dispenser

The MSH series meter stands are designed to provide low cost, high speed fueling. Two configurations are offered at nominal flow rates of 35 GPM and 60 GPM. Actual flow rates may vary depending upon pump size and installation conditions. The meter stand's 8 1/2" square column is fabricated from 12 gauge steel while the 14" square base is 7 gauge steel. Meter stands are powder coated in OSHA safety green as standard.

The meter fitted to each model is a rotary, positive displacement, high accuracy Liquid Controls model M5 with nominal operating range of 5 to 60 GPM. The standard assembly is fitted with a register that has a 5 digit resettable counter and a 7 digit non-resettable totalizer reading in 10th gallons. Other increments of measurement are available include liters and whole gallons. Conventional accessories including a ticket printer and 10:1 or 100:1 pulser are available as options. Inlet filter assemblies and counterweight hose hanging devices are available as well.

The MSH series meter stands are each fitted with a nozzle boot designed to accommodate either a 1" high speed nozzle (7H style) or a 1 1/2" high speed nozzle (1290 style). The MSH-32 & MSH-34 series meter stands have 1" internal piping including a 1" solenoid and a 1" outlet hose connection. The MSH-34 series adds a fuel block on the discharge side of the meter for use in piping to a satellite hose stand. The MSH-62 & MSH-64 series meter stands have 1 1/2" internal piping including a 1 1/2" solenoid and 1 1/2" outlet hose connection. The MSH-64 series adds a fuel block on the discharge side of the meter for use in piping to a satellite hose stand. Both the 1" and 1 1/2" solenoid valves are rated for continuous service and come standard with Buna 'N' trim for diesel service. Gasoline, diesels with certain additives, and other specialty fuels require the optional Viton trimmed valve. The internal 20 amp DPDT on / off switch controls the 1 1/2" internal solenoid valve and can be used to control an isolation valve, pump motor starter, or other process control device.



- ♦ Up to 60 GPM flow rate
- ♦ Designed for the commercial environment
- ♦ Heavy duty construction
- ♦ Meter meets resale accuracy requirements and provides accurate measurement at lower flow rates
- ♦ Integral internally mounted solenoid valve
- ♦ Optional piping for satellite
- ♦ Optional Interlock - Forced Reset
- ♦ Optional pulse output
- ♦ Optional ticket printer



www.pmc-ga.com



Item Description:
Dispenser, diesel fuel, stand type, 60 GPM

Mark No.:
8065
Page 1 of 3

EQUIPMENT CUTSHEET

Meter Stand Fuel Dispenser

SPECIFICATIONS

MODELS

MSH-32BA – Meter Stand with register, 1" valve, and 1" hose connection.
MSH-32BE – Meter Stand with register/printer, 1" valve, and 1" hose connection.
MSH-34BA – Meter Stand with register, 1" valve, satellite feed, and 1" hose connection.
MSH-34BE – Meter Stand with register/printer, 1" valve, satellite feed, and 1" hose connection.
MSH-62BA – Meter Stand with register, 1-1/2" valve, and 1-1/2" hose connection.
MSH-62BE – Meter Stand with register/printer, 1-1/2" valve, and 1-1/2" hose connection.
MSH-64BA – Meter Stand with register, 1-1/2" valve, satellite feed, and 1-1/2" hose connection.
MSH-64BE – Meter Stand with register/printer, 1-1/2" valve, satellite feed, and 1-1/2" hose connection.

PERFORMANCE

MSH-32 & MSH-34 series – 35 GPM

MSH-62 & MSH-64 series – 60 GPM

- Actual delivery rates will vary, depending upon the installation conditions, product dispensed and the size of the submersible pump.

CONSTRUCTION

Pedestal: 12 Gauge powder coated steel OSHA safety green.

Base: 7 Gauge powder coated steel OSHA safety green.

METER

1-1/2" Liquid Controls high flow, rotary motion, positive displacement meter.

SOLENOID

MSH-32 & MSH-34 series - 1" normally closed.

MSH-62 & MSH-64 series - 1-1/2" normally closed.

AVAILABLE OPTIONS:

-P10 - Veeder-Root 10:1 pulser on register

-P10 0 - Veeder-Root 100:1 pulser on register

-Interlock - Veeder-Root Interlock switch kit for register

SUPPLY CONNECTION

1-1/2" NPT.

OUTLET CONNECTION

MSH-32 & MSH-34 series - 1" FNPT.

MSH-62 & MSH-64 series - 1-1/2" FNPT.

MAXIMUM WORKING PRESSURE

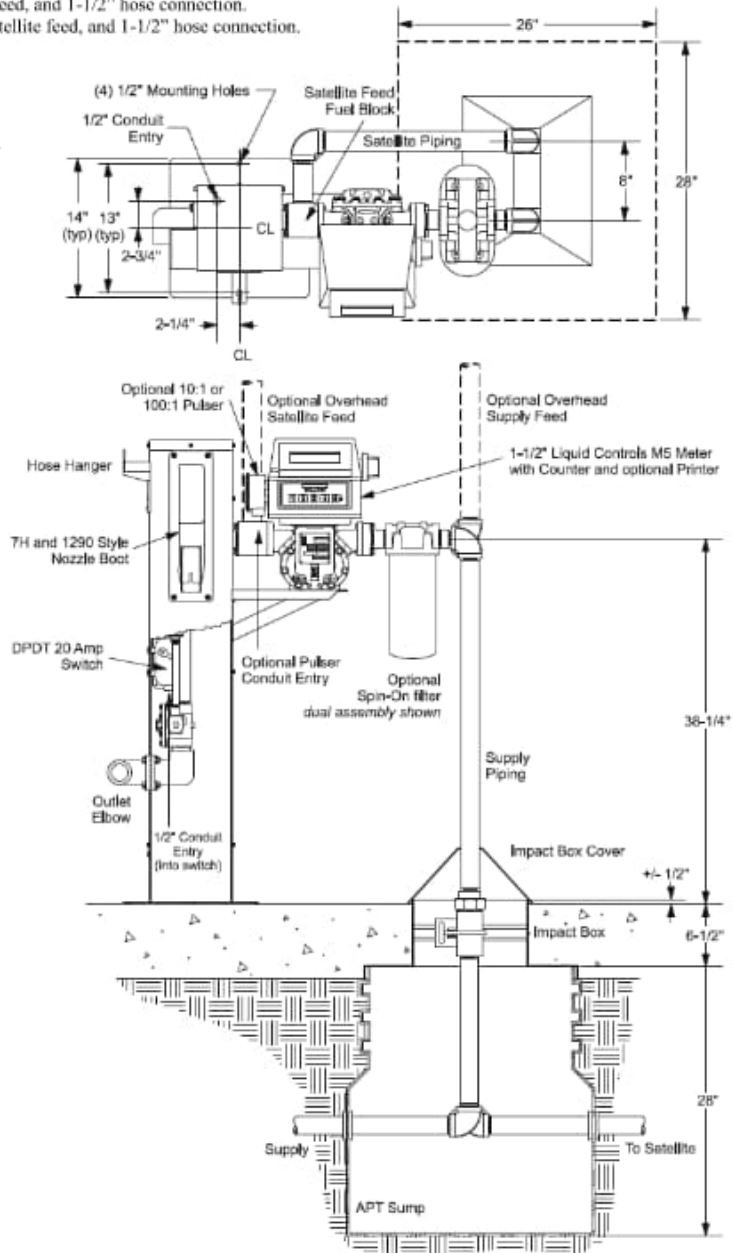
50 PSI.

VOLTAGE AND FREQUENCY

115VAC 60 Hz, 240VAC 50 Hz optional.

NOZZLE COMPATABILITY

11A Style, 7H Style, and 1290 Style through 1-1/2". Contact factory for other types.



Typical Meter Stand Installation
Model with satellite feed shown



Item Description:

Dispenser, diesel fuel, stand type, 60 GPM

Mark No.:

8065

Page 2 of 3

EQUIPMENT CUTSHEET



1290

BULK/MANUAL NOZZLE DESCRIPTIONS

AUTOMATIC BULK FUELING

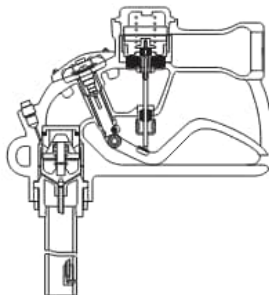
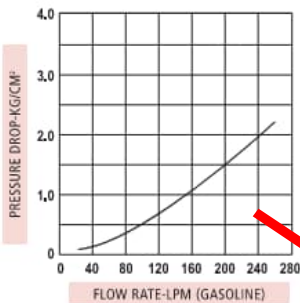
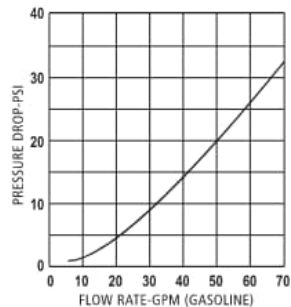
1290 - Automatic shut-off for heavy-duty high-flow truck, bus and home fuel oil delivery. Right angle design, dual poppets and 2-position hold-open device. Available with 1½" inlet (NSN 4930-01-290-0756)

1290G - 1½" inlet designed to meet military specifications. Available in green anodized (1290G-0050; NSN 4930-01-352-1660) or tan anodized (1290GS-0050; NSN 4930-01-352-1661) with ground wire assembly and kamlok coupler with dust plug; 1290GS-AR50 tan anodized without kamlok coupler and dust plug also available.

NEW 1291C ULC Approved

OPW 1291C Automatic Shut-Off Nozzles

For Heavy-Duty, High-Flow Truck, Bus and Home Fuel Oil Delivery Service



Materials

Body: Aluminum
Main stem: Stainless steel
Packing: Graphite with Teflon®
Main Disc: Viton®
Inlet Size: 1-1/2" NPT



1291C-0050

Features

- ◆ Venturi-Type Shut-Off Mechanism – for automatic shut-off.
- ◆ Aluminum Body – lighter in weight and easier to maneuver than other nozzles on the market.
- ◆ Two-position hold-open device*.
- ◆ One-Hand Control of Hold-Open Mechanism – means easy setting of flow rate.
- ◆ Right Angle Design – provides larger lever area for better grips and easier control, permitting the nozzle to fit into awkward spaces close to walls and into corners.
- ◆ Easily-Replaced Spout – simply remove the spout retainer nut.
- ◆ Built-In Outlet Check Valve – meets all known requirements of the Division of Measurement Standards.
- ◆ Dual Poppets – make nozzle easy to open against high inlet pressure.

Design working pressure

- ◆ 50 psi (3.45 bar) maximum pressure.
- ◆ Service Temperature range: -20 F to 140 F

Ordering Specifications

Product #	Description	Inlet Thread			
		in.	mm	lbs.	kg
1290-0050	New	1½"	38	6.8	3.1
1290-0055	Rebuilt	1½"	38	6.8	3.1
1291C-0050*	New	1½"	38	6.8	3.1
1290G-0050	New	1½"	38	6.8	3.1

Government National Stock #s:
1290-0050; NSN 4930-01-290-0756
1290G-0050; NSN 4930-01-352-1660 green anodized
1290GS-0050; NSN 4930-01-352-1661 tan anodized
(1290GS-AR50; tan anodized without Kamlok coupler and dust plug)

Replacement Spout

Product #	Description	O.D.		Length		Weight	
		in.	mm	in.	mm	lbs.	kg
5D-0125	8-1/2", 1290, Spout Kit	1½"	35	8½"	215	1.5	0.68
5D-0126C	8-1/2", 1291C, Spout Kit	1½"	35	8½"	215	1.5	0.68
5D-0180	18", 1290, Spout Kit	1½"	35	18"	482	2	0.90

1290 Series Instruction Sheet Order Number: H09238PA

Listings and
Certifications



*1291C-0050 ONLY

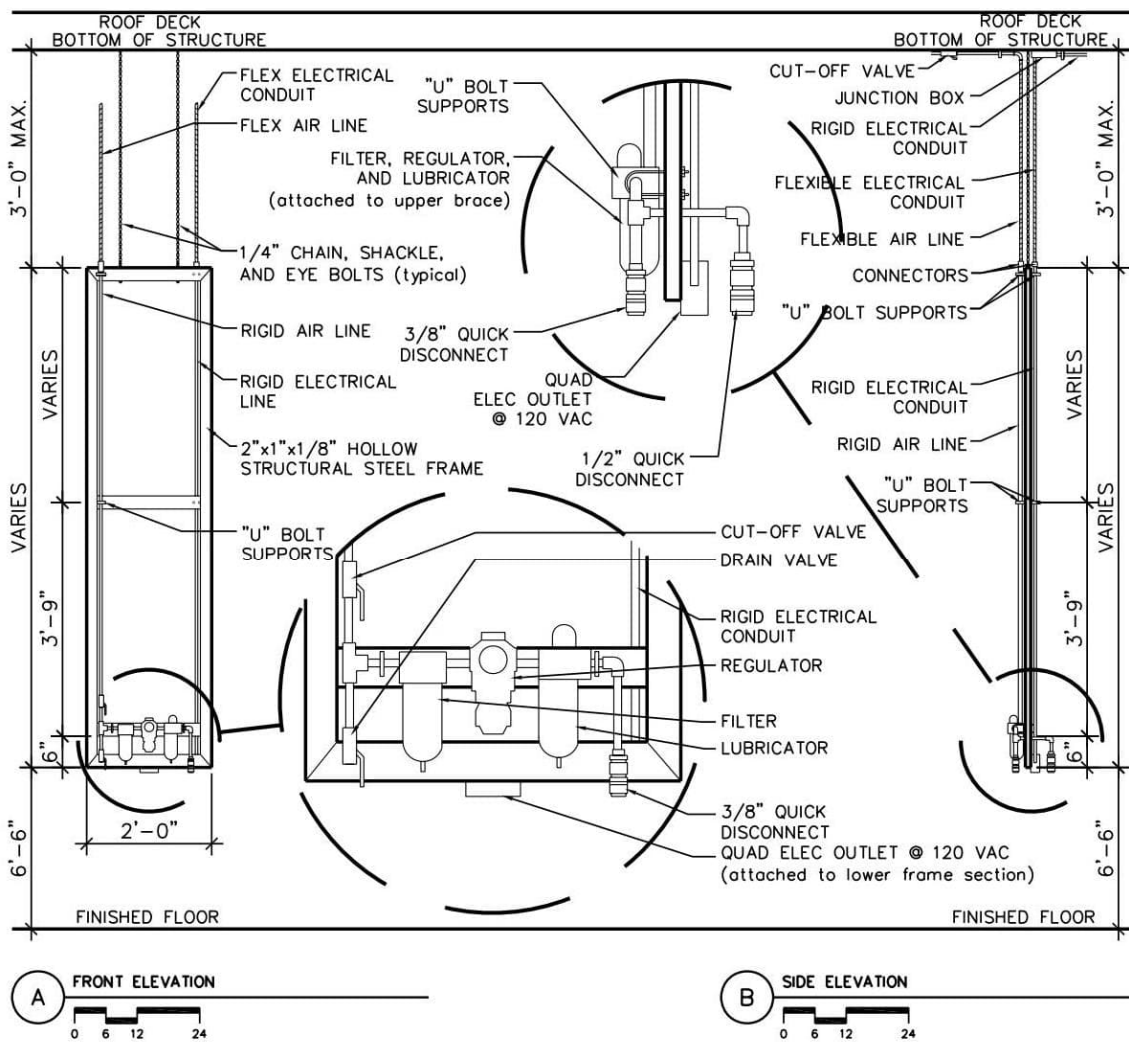
*1291C Nozzles are not permitted and sold with Hold-Open Clips per ULC S620 requirements.



Item Description:
Dispenser, diesel fuel, stand type, 60 GPM

Mark No.:
8065
Page 3 of 3

EQUIPMENT CUTSHEET



8190 - TRAPEZE DETAIL

2000 Series combinations

3/8", 1/2", and 3/4" Ports

Technical data		
	POLYCARBONATE BOWL	METAL / METAL W/ SIGHT GLASS
Max inlet pressure (psi)	150	250
Temperature range (F)	23 - 125	23 - 175
Spring range options (psi)	0 - 140	
Filter element	5 micron	
Filter bowl cap — manual drain (oz)	1.9	2.4
Filter bowl cap — auto drain (oz)	2.3	2.8
Lubricator bowl capacity (oz)	4.3	3.7
Gauge port	1/8"	
Flow capacity — 3/8" - 2 unit*	96 scfm	
Flow capacity — 1/2" - 2 unit*	120 scfm	
Flow capacity — 3/4" - 2 unit*	142 scfm	
Flow capacity — 3/8" - 3 unit*	99 scfm	
Flow capacity — 1/2" - 3 unit*	150 scfm	
Flow capacity — 3/4" - 3 unit*	171 scfm	

*Inlet pressure 100 psi (6.9 bar), 90 psi set (6.2 bar), with 33 psi drop (2.3 bar)



F + R + L Combinations

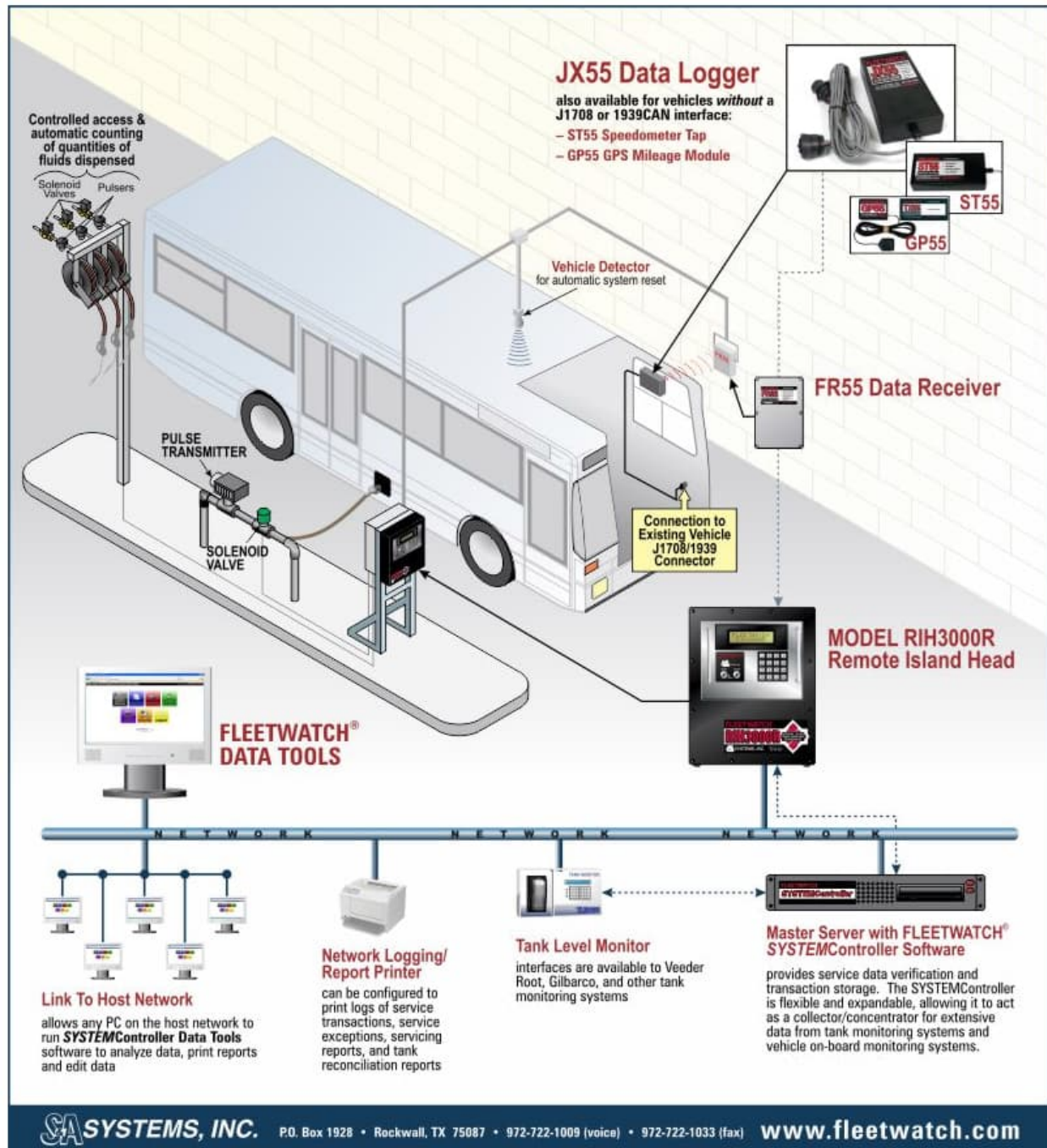
Port size NPT	Filter	Components Regulator	Lubricator	Model
MANUAL DRAIN • METAL BOWL W/ SIGHT GLASS • RELIEVING • W/ GAUGE				
3/8"	F35331-410	R37331-600	L36331-110	C38331-810
1/2"	F35341-410	R37341-600	L36341-110	C38341-810
3/4"	F35351-410	R37351-600	L36351-110	C38351-810
MANUAL DRAIN • POLYCARBONATE BOWL W/ GUARD • RELIEVING • W/ GAUGE				
3/8"	F35331-400	R37331-600	L36331-100	C38331-800
1/2"	F35341-400	R37341-600	L36341-100	C38341-800
3/4"	F35351-400	R37351-600	L36351-100	C38351-800



Item Description:
Drops, air/electric, trapeze

Mark No.:
8190
Page 1 of 1

EQUIPMENT CUTSHEET



Item Description:
Fuel management system, transit

Mark No.:
8210
Page 1 of 1

EQUIPMENT CUTSHEET

Tramway Fueling System FF-2000-TS

Tramway Bus Refueling System



- Prevents fuel spills
- Provides safer environment
- Delivers greater flexibility
- Reduces replacement costs
- Ensures regulatory compliance
- Fuels buses faster

The lanes at any typical bus fuel island are frantic and busy. Here buses are refueled and washed, interiors cleaned, engines serviced and the buses parked ready for the next morning's pullout.

With such shuffling of vehicles and all the activity of personal, it is important that there are no dangerous obstructions in the way of the fuelers performing their duties. Nozzle and hoses lying around create safety hazard and restrict the fuelers' access to buses.

*The FF-2000-TS Tramway Bus Refueling System is the industry's premier tool for the organization of the fuel lane. This system is designed to provide your fuel island a **safe, clean, and efficient fueling system** to maximize efficiency and minimize any potential downtime, under-filling, over-filling or fuel spillage.*

Hundreds of tramway bus refueling systems have been installed to-date for bus companies and transit authorities throughout the United States and Canada

TFS

TRAMWAY FUELING SYSTEM, INC



Item Description:
Gantry, fuel, w/ hose & nozzle

Mark No.:
8245
Page 1 of 3

EQUIPMENT CUTSHEET

Tramway Bus Refueling System



Prevents fuel spills: The most important feature of the FF-2000-TS system is its ability to prevent costly spills and environmental issues in the event of a premature drive-away from the fuel island. If and when such an event takes place, the special pull-away valve is actuated and the hose and nozzle are released with the bus. An internal shut-off valve immediately limits the loss of fuel to less than 2 ounces. The resume mode is achieved in under five minutes and without special tools or equipment, getting your bus fueling station back in operation with minimal downtime.

Provides safer environment: Hoses and nozzles lying around at fuel islands cause tripping hazard. The tramway system suspends the fueling nozzle above the fuel island preventing these hazards and allowing personnel to easily move about the fueling lanes.



Delivers greater flexibility: The suspended nozzle and hose slide along an overhead rail allowing for fueling in various locations on the bus, and allow all fleet vehicles to be refueled with one nozzle. The fueling envelope can be customized to fit your fleet.



Reduces replacement costs: The suspended nozzle prevents contact with the ground when not in use, saving costly repairs and replacement of broken nozzles from thrown or dropped.

Ensures regulatory compliance:

OSHA Removes tripping hazards protecting the safety of employees.

DOT Auto-stop fueling when tank reaches 95% capacity to meet standard requirement, allowing room for diesel expansion in tank

EPA Minimizes the risk of fuel spills with unique spill-proof separation which limits fuel spill to less than 2 ounces in the case of a separation.

Fuels Buses faster: Combined with Emco-Wheaton POSI/LOCK 105 system, the FF-2000-TS system leads to more efficient fueling. Fueling speed is 20-50 gallons per minute with the POSI/LOCK nozzle.

Offers turnkey solution: Distributed and installed by Tramway Fueling System. Training of onsite personnel and after sales support included

Meets your unique needs: The system can be custom designed to fit your facility and fuel island configuration.

**FF-2000-TS and
POSI/LOCK 105:**

A PerfectFit

The Emco Wheaton POSI/LOCK 105 Automatic Fueling System is the industry standard for fast fill, spill-free fueling of transit buses and other fleet vehicles.



Designed to specifically meet the needs of the fuel tank and the vehicle on which it is installed, the POSI/LOCK 105 system is the choice of bus companies and transit authorities from Toronto to New York, from London to Hong Kong and from Dublin to Chicago.

The combination of the FF-2000-TS and the POSI/LOCK 105 systems offers a uniquely robust solution for providing a clean and safe environment for your refueling operation.

TFS



Item Description:
Gantry, fuel, w/ hose & nozzle

Mark No.:
8245
Page 2 of 3

EQUIPMENT CUTSHEET

EMCO WHEATON

A Gardner Denver Product

POSI/LOCK 105 Refueling Nozzle



POSI/LOCK 105® Automatic DRY-BREAK Fueling System for Buses

The Emco Wheaton POSI/LOCK 105 Automatic Fueling System is the industry standard for fast fill, spill-free fueling of transit buses and other fleet vehicles.

Designed to specifically meet the needs of the fuel tank and the vehicle on which it is installed, the POSI/LOCK 105 system is the choice of bus companies and transit authorities from Toronto to New York, from London to Hong Kong and from Dublin to Chicago. The Posi/Lock system comprises two main parts: the Posi/Lock 105 Refueling Nozzle attached to the dispenser, and the Posi/Lock Filler Neck Assembly mounted to the vehicle fuel tank.

Custom designed to fit your fueling application, The POSI/LOCK 105 system is truly *Better by Design!*

Environmental Benefits:

- Elimination of liability related to contamination of water and soil by spilled diesel fuel.
- Elimination of on-road spillage related to sloshing of fuel.

Health & Safety Benefits:

- Keeps workers and their environment clean and safe.

Potential cost savings:

- Reduction in the cost of fuel spilled (and wasted).
- Reduction in costs related to the disposition of spilled diesel fuel, water, and absorbent cleaning materials.

Operational Savings and Benefits:

- **95% Fill – Always.**
No premature shut-off related to fuel foaming.
- **Eliminating Spillage and Theft.**
Fuel cannot be dispensed from the nozzle unless it is properly coupled to the bus. This eliminates inappropriate use or inadvertent spillage of fuel purchased by the bus company.
- **Vandalism Minimized.**
Because the POSI/LOCK 105, is a closed system, it is virtually impossible to vandalize the system by introducing foreign materials or liquids into the nozzle or the fuel tank of the bus.

Labor savings:

- Reduced time needed to fuel buses due to "fast filling" and fueler not having to attentively fill the tank to capacity.
- Increased efficiency as fueler can perform other tasks while bus is filling.
- Elimination of labor cost associated with cleaning up spills.



Item Description:
Gantry, fuel, w/ hose & nozzle

Mark No.:
8245
Page 3 of 3

EQUIPMENT CUTSHEET

Model QP-160



- 100% air operated
- Interlocking feature creates safe crushing environment
- Removable catch basin
- Included mounting stand
- Made in the U.S.A.

Model QP-160	US Units
Overall Height	85 1/2"
Overall Width	20 1/2"
Overall Depth	16 3/4"
Crushing Chamber:	
Height	16 1/4"
Width	10"
Depth	8"
Air Inlet	1/4 Female npt
Air Pressure	100 – 200 PSI
Catch Basin Connection	3/4 Female npt
Stand Dimensions:	
Overall Width	29"
Overall Depth	27"
Overall Height	61"
Crushing Force by Air Pressure:	
12,000 lbs/6 tons	112 PSI
14,000 lbs/7 tons	129 PSI
16,000 lbs/8 tons	147 PSI
18,000 lbs/9 tons	165 PSI
20,000 lbs/10 tons	183 PSI
22,000 lbs/11 tons	200 PSI



Item Description:
Press, oil filter, pneumatic

Mark No.:
8492
Page 1 of 1

EQUIPMENT CUTSHEET



Fire-Ball 425 Oil Pumps

**10 Year
Warranty!**

The Pump of Choice for Your Most Demanding High-Volume Applications

The Fire-Ball 425 features a 4.25 inch air motor to supply the power you need for long pipe runs and higher-volume dispensing. An ideal choice for applications where multiple dispenses happen at the same time.



Durable Casting

Thick cast aluminum air motor housing offers unmatched durability.

Fewer Repairs

Fewer moving parts in the air motor assembly means less downtime and low repair cost.

Superior Sealing

Non-metallic poppet valves offer positive sealing performance, even with contaminated "dirty" air environments for long life without repair.

Extended Seal Life

In-line pump design aligns the air motor piston and fluid piston rods to maximize seal life.

Corrosion-Resistant

Corrosion-resistant design utilizes liquid nitriding, nickel plating, stainless steel, aluminum and chrome on key components for longer life.

Typical Applications

- Automotive dealerships
- Fast lube centers
- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)



Item Description:
Pump, air piston (ATF), 4.25", 10:1

Mark No.:

8525

Page 1 of 2

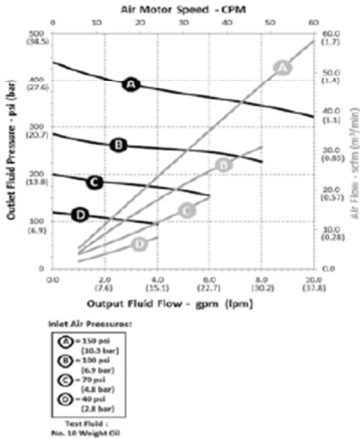
EQUIPMENT CUTSHEET

Fire-Ball 425 Oil Pump Packages

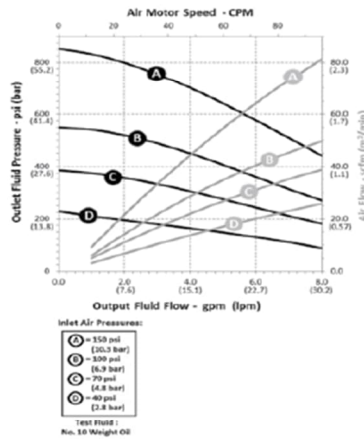


Pump Performance

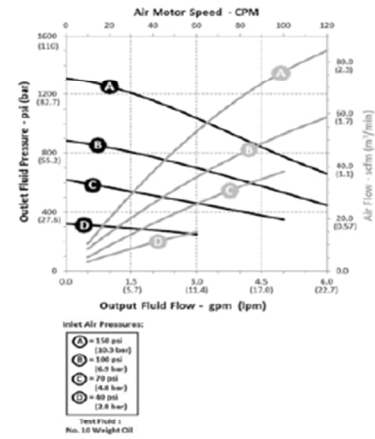
Fire-Ball 425 3:1 Pumps



Fire-Ball 425 6:1 Pumps



Fire-Ball 425 10:1 Pumps



Technical Specifications

	3:1	6:1	10:1
Fluid Pressure Ratio	3:1	6:1	10:1
Air Motor Effective Diameter	4.25 in (107.9 mm)	4.25 in (107.9 mm)	4.25 in (107.9 mm)
Maximum Fluid Working Pressure	540 psi (37 bar / 3.7 MPa)	1,100 psi (76 bar / 7.6 MPa)	1,800 psi (124 bar / 12.4 MPa)
Approximate Free Flow Rate @ 100 psi	28.7 gal/min (109 liters/min)	17.1 gal/min (65 liters/min)	11.7 gal/min (44 liters/min)
Output per Cycle	631 cc	261 cc	189 cc
Approximate Air Use and Flow @ 100 psi (80 cpm)	43 scfm @ 13.4 gpm (1.23 m³/min @ 50.6 lpm)	44 scfm @ 6.7 gpm (1.25 m³/min @ 25.4 lpm)	45 scfm @ 4.0 gpm (1.27 m³/min @ 15.2 lpm)
Air Inlet	1/2 in NPT(F)	1/2 in NPT(F)	1/2 in NPT(F)
Fluid Inlet	1-1/2 in NPT(F)	1-1/2 in NPT(F)	1-1/2 in NPT(F)
Fluid Outlet	3/4 in NPT(F)	3/4 in NPT(F)	3/4 in NPT(F)
Air Operation Range	40 psi to 180 psi (2.8 bar to 12 bar)	40 psi to 180 psi (2.8 bar to 12 bar)	40 psi to 180 psi (2.8 bar to 12 bar)
Maximum Recommended Pump Speed	66 cpm	78 cpm	60 cpm
Cycles per Gallon (Liter)	6 (1.6)	14.5 (3.8)	20 (5.3)
Wetted Parts	Steel, polyurethane, aluminum, nitrile	Steel, polyurethane, aluminum, nitrile	Steel, polyurethane, aluminum, nitrile
Sound Pressure Level	82 dB(A)	79.5 dB(A)	78 dB(A)
Approximate Weight	46 lb (20.9 kg)	35 lb (15.9 kg)	29 lb (13.2 kg)
Instruction Manual	308485	308608	308655

Ordering Information

Fire-Ball 425 Pumps

Part Number	Description
237526	3:1 Universal oil pump
238108	6:1 Universal oil pump
205626	10:1 Universal oil pump
222065	10:1 Oil pump, 55 gal (400 lb) drum size, cover mount
222095	10:1 Oil pump, 55 gal (400 lb) drum size, bung mount



Item Description:
Pump, air piston (ATF), 4.25", 10:1

Mark No.:
8525
Page 2 of 2

EQUIPMENT CUTSHEET



Fire-Ball 425 Oil Pumps

**10 Year
Warranty!**

The Pump of Choice for Your Most Demanding High-Volume Applications

The Fire-Ball 425 features a 4.25 inch air motor to supply the power you need for long pipe runs and higher-volume dispensing. An ideal choice for applications where multiple dispenses happen at the same time.



Durable Casting

Thick cast aluminum air motor housing offers unmatched durability.

Fewer Repairs

Fewer moving parts in the air motor assembly means less downtime and low repair cost.

Superior Sealing

Non-metallic poppet valves offer positive sealing performance, even with contaminated "dirty" air environments for long life without repair.

Extended Seal Life

In-line pump design aligns the air motor piston and fluid piston rods to maximize seal life.

Corrosion-Resistant

Corrosion-resistant design utilizes liquid nitriding, nickel plating, stainless steel, aluminum and chrome on key components for longer life.

Typical Applications

- Automotive dealerships
- Fast lube centers
- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)



Item Description:
Pump, air piston (EO1), 4.25", 10:1

Mark No.:
8566A
Page 1 of 2

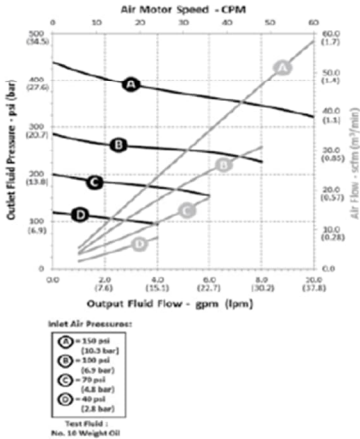
EQUIPMENT CUTSHEET

Fire-Ball 425 Oil Pump Packages

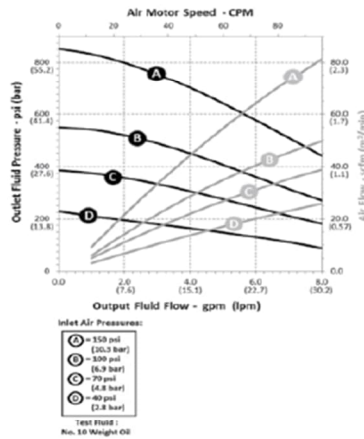


Pump Performance

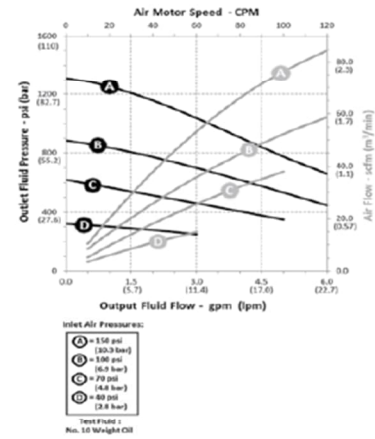
Fire-Ball 425 3:1 Pumps



Fire-Ball 425 6:1 Pumps



Fire-Ball 425 10:1 Pumps



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Approximate Free Flow Rate @ 100 psi	28.7 gal/min (109 liters/min)	17.1 gal/min (65 liters/min)	11.7 gal/min (44 liters/min)
Output per Cycle	631 cc	261 cc	189 cc
Approximate Air Use and Flow @ 100 psi (80 cpm)	43 scfm @ 13.4 gpm (1.23 m³/min @ 50.6 lpm)	44 scfm @ 6.7 gpm (1.25 m³/min @ 25.4 lpm)	45 scfm @ 4.0 gpm (1.27 m³/min @ 15.2 lpm)
Air Inlet	1/2 in NPT(F)	1/2 in NPT(F)	1/2 in NPT(F)
Fluid Inlet	1-1/2 in NPT(F)	1-1/2 in NPT(F)	1-1/2 in NPT(F)
Fluid Outlet	3/4 in NPT(F)	3/4 in NPT(F)	3/4 in NPT(F)
Air Operation Range	40 psi to 180 psi (2.8 bar to 12 bar)	40 psi to 180 psi (2.8 bar to 12 bar)	40 psi to 180 psi (2.8 bar to 12 bar)
Maximum Recommended Pump Speed	66 cpm	78 cpm	60 cpm
Cycles per Gallon (Liter)	6 (1.6)	14.5 (3.8)	20 (5.3)
Wetted Parts	Steel, polyurethane, aluminum, nitrile	Steel, polyurethane, aluminum, nitrile	Steel, polyurethane, aluminum, nitrile
Sound Pressure Level	82 dB(A)	79.5 dB(A)	78 dB(A)
Approximate Weight	46 lb (20.9 kg)	35 lb (15.9 kg)	29 lb (13.2 kg)
Instruction Manual	308485	308608	308655

Ordering Information

Fire-Ball 425 Pumps

Part Number	Description
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238108	6:1 Universal oil pump
205626	10:1 Universal oil pump
222065	10:1 Oil pump, 55 gal (400 lb) drum size, cover mount
222095	10:1 Oil pump, 55 gal (400 lb) drum size, bung mount



Item Description:
Pump, air piston (EO1), 4.25", 10:1

Mark No.:
8566A
Page 2 of 2

EQUIPMENT CUTSHEET



Fire-Ball 425 Oil Pumps

**10 Year
Warranty!**

The Pump of Choice for Your Most Demanding High-Volume Applications

The Fire-Ball 425 features a 4.25 inch air motor to supply the power you need for long pipe runs and higher-volume dispensing. An ideal choice for applications where multiple dispenses happen at the same time.



Durable Casting

Thick cast aluminum air motor housing offers unmatched durability.

Fewer Repairs

Fewer moving parts in the air motor assembly means less downtime and low repair cost.

Superior Sealing

Non-metallic poppet valves offer positive sealing performance, even with contaminated "dirty" air environments for long life without repair.

Extended Seal Life

In-line pump design aligns the air motor piston and fluid piston rods to maximize seal life.

Corrosion-Resistant

Corrosion-resistant design utilizes liquid nitriding, nickel plating, stainless steel, aluminum and chrome on key components for longer life.

Typical Applications

- Automotive dealerships
- Fast lube centers
- Service shops
- Heavy-duty dealerships
- Fleet services facilities
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils (motor, gear and ATF)



Item Description:
Pump, air piston (EO2), 4.25", 10:1

Mark No.:
8566B
Page 1 of 2

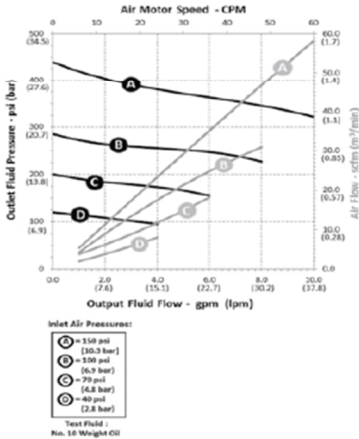
EQUIPMENT CUTSHEET

Fire-Ball 425 Oil Pump Packages

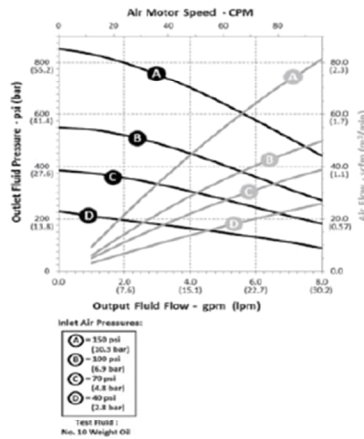


Pump Performance

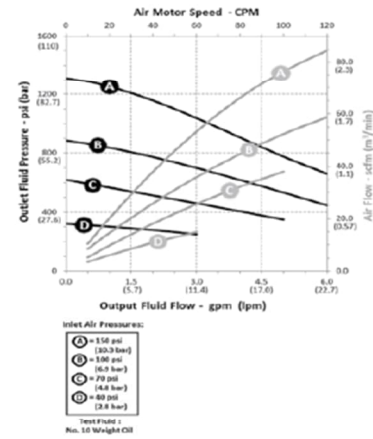
Fire-Ball 425 3:1 Pumps



Fire-Ball 425 6:1 Pumps



Fire-Ball 425 10:1 Pumps



Technical Specifications

	3:1	6:1	10:1
Fluid Pressure Ratio	3:1	6:1	10:1
Air Motor Effective Diameter	4.25 in (107.9 mm)	4.25 in (107.9 mm)	4.25 in (107.9 mm)
Maximum Fluid Working Pressure	540 psi (37 bar / 3.7 MPa)	1,100 psi (76 bar / 7.6 MPa)	1,800 psi (124 bar / 12.4 MPa)
Approximate Free Flow Rate @ 100 psi	28.7 gal/min (109 liters/min)	17.1 gal/min (65 liters/min)	11.7 gal/min (44 liters/min)
Output per Cycle	631 cc	261 cc	189 cc
Approximate Air Use and Flow @ 100 psi (80 cpm)	43 scfm @ 13.4 gpm (1.23 m ³ /min @ 50.6 lpm)	44 scfm @ 6.7 gpm (1.25 m ³ /min @ 25.4 lpm)	45 scfm @ 4.0 gpm (1.27 m ³ /min @ 15.2 lpm)
Air Inlet	1/2 in NPT(F)	1/2 in NPT(F)	1/2 in NPT(F)
Fluid Inlet	1-1/2 in NPT(F)	1-1/2 in NPT(F)	1-1/2 in NPT(F)
Fluid Outlet	3/4 in NPT(F)	3/4 in NPT(F)	3/4 in NPT(F)
Air Operation Range	40 psi to 180 psi (2.8 bar to 12 bar)	40 psi to 180 psi (2.8 bar to 12 bar)	40 psi to 180 psi (2.8 bar to 12 bar)
Maximum Recommended Pump Speed	66 cpm	78 cpm	60 cpm
Cycles per Gallon (Liter)	6 (1.6)	14.5 (3.8)	20 (5.3)
Wetted Parts	Steel, polyurethane, aluminum, nitrile	Steel, polyurethane, aluminum, nitrile	Steel, polyurethane, aluminum, nitrile
Sound Pressure Level	82 dB(A)	79.5 dB(A)	78 dB(A)
Approximate Weight	46 lb (20.9 kg)	35 lb (15.9 kg)	29 lb (13.2 kg)
Instruction Manual	308485	308608	308655

Ordering Information

Fire-Ball 425 Pumps

Part Number	Description
237526	3:1 Universal oil pump
238108	6:1 Universal oil pump
205626	10:1 Universal oil pump
222065	10:1 Oil pump, 55 gal (400 lb) drum size, cover mount
222095	10:1 Oil pump, 55 gal (400 lb) drum size, bung mount



Item Description:
Pump, air piston (EO2), 4.25", 10:1

Mark No.:
8566B
Page 2 of 2

EQUIPMENT CUTSHEET

Air-Operated Double Diaphragm Transfer Pump



Husky 716 AODD Pump

- 3/4 in fluid connections
- Fluid delivery up to 16 gpm (60.6 lpm)
- Operate as low as 30 psi up to 100 psi for max flow
- Maximum working pressure of 100 psi for long line runs
- Center and end porting options available
- High-efficiency air valve operates at maximum of 28 scfm
- Groundable to reduce risk of static and electric shock

Technical Specifications

Maximum fluid working pressure	100 psi (6.9 bar, 0.69 MPa)
Maximum free-flow delivery*	16 gpm (61 l/min)
Maximum pump speed	400 cpm
Fluid displacement per cycle**	0.04 gal (0.15 l)
Maximum suction lift	15 ft (4.5 m) dry, 25 ft (7.6 m) wet
Maximum-size pumpable solids	3/32 in (2.5 mm)
Maximum ambient operating temperature***	180°F (82.2°C)
Maximum diaphragm operating temperature***	180°F (82.2°C)
Typical sound level at 70 psi (4.8 bar, 0.48 MPa) air @ 50 cpm	77 dB(A)
Maximum air consumption	28 scfm (0.672 m³/min)
Air pressure operating range	25 psi to 100 psi (1.8 bar to 6.9 bar, 0.18 MPa to 0.69 MPa)
Air inlet size	1/4 NPT(F)
Fluid inlet size	3/4 in NPT(F)
Fluid outlet size	3/4 in NPT(F)
Weight	8.5 lb (3.9 kg)
Wetted parts	Buna-N, acetal, aluminum, stainless steel, PTFE, zinc-plated steel
Instruction manual	308573

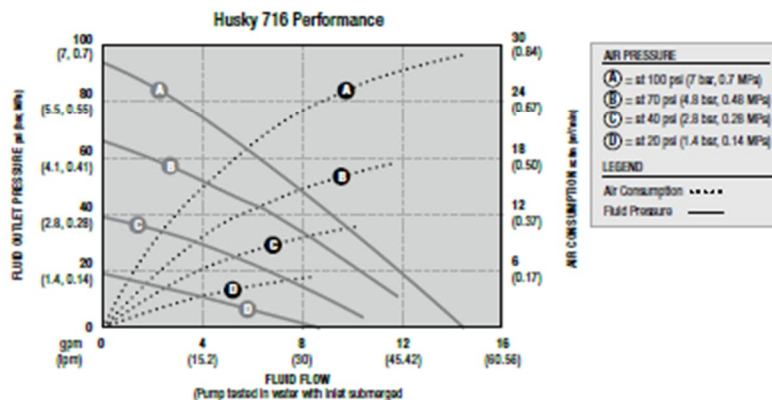
*Flow rates are with muffler and do not vary based on diaphragm material. **Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type. ***Actual pump performance may be affected by prolonged usage at temperature.

Ordering Information

Husky 716 AODD Pump

Part Number	Description
241906	Husky 716 Aluminum – 3/4 in, Aluminum/Buna-N

Pump Performance



Item Description:
Pump, diaphragm, (EC)

Mark No.:

8586

Page 1 of 3

EQUIPMENT CUTSHEET

Air Line Filters

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	110146	110146	106148	106149	106150	106150

Air Regulator and Gauge

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	110147	110147	246946	202858	206199	207651

Air Quick-Connect Coupler

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	208536	208536	110199	110199	110199	110200

Air Quick-Connect Nipple

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	169970	169970	110196	110196	110196	110197

Bleed-Type Air Valve

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	110223	110223	110224	110225	110225	110226

Dual-Inlet Manifold

	Husky Pump	307	515	1050	1590	2150	3300
	Part Number	237211	194347	240205	—	—	—

Grounding Wire and Clamp

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	222011	222011	238909	222011	238909	238909

Suction Hose Kit

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	236054	236054	236054	222916	222916	—

Thermal Relief Kit

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	238899	238428	238428	—	—	—

Thermal Relief Valves – 150 psi (10.3 bar)

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	113497 al/bn, 112119 ss/lf					

Wall Bracket

	Husky Pump	307	515/716	1050	1590	2150	3300
	Part Number	224835	224835	240637	—	—	—

Fluid Shut-Off Valves

	Part Number	Description
	108458	1/2 in NPT
	108537	3/4 in NPT
	110314	1 in NPT

transfer	WWS = Windshield Wash Solution		
Kits (Seats, Balls, Diaphragms)	Diaphragm Kit	Manual	
D03255	D03005	308553	
D05277	D05007	308573	
D05277	D05007	308573	
24B634 and 24B639	24B624	313597	
24B634 and 24B639	24B624	313597	
D0B525	D0B005	308441	
D0F525	D0F005	308368	
D0K525	D0K005	308639	



Item Description:
Pump, diaphragm, (EC)

Mark No.:

8586

Page 2 of 3

EQUIPMENT CUTSHEET

Mounting Accessories

Pump	307	515/716	1050	1590	2150	3275
Air Line Filter	110146	110146	106148	106149	106150	106150
Air Regulator & Gauge	110147	110147	244844	202858	206199	207651
Air Quick-Connect Coupler	208536, 1/4 npt(f)	208536, 1/4 npt(f)	110199, 1/2 npt(f)	110199, 1/2 npt(f)	110199, 1/2 npt(f)	N/A
Air Quick-Connect Nipple	169970, 1/4 npt(m)	169970, 1/4 npt(m)	110196, 1/2 npt(f)	110196, 1/2 npt(f)	110196, 1/2 npt(f)	N/A
Bleed Type Air Valve	110223	110223	110224	110225	110225	110226
Wall Bracket	224835	224835	24C637	N/A	N/A	N/A
Thermal Relief Kit	238899	238428	238428	N/A	N/A	N/A
Thermal Relief Valves 150 psi (10.3 bar)	113497 al/bn, 112119 ss/tf	113497 al/bn, 112119 ss/tf	113497 al/bn , 112119 ss/tf	113497 al/bn , 112119 ss/tf	113497 al/bn , 112119 ss/tf	113497 al/bn , 112119 ss/tf
Grounding Wire and Clamp	222011	222011	222011	222011	222011	222011
Suction Hose Kit	236054	236054	236054	N/A	N/A	N/A
Flange Adapter Kit	N/A	N/A	N/A	N/A	N/A	N/A
Dual Inlet Manifold	N/A	*	685984 **	N/A	N/A	N/A
Instruction Manual	308553	308573 & 308981	308326 & 308479	308441	308368	308639

Fluid Shut-Off Valves (rated to 2000 psi [138 bar]) For isolating oil dispense lines.

108458	1/2 in (12.7 mm)
240418	3/8 in (9.5 mm)
108537	3/4 in (19.1 mm)
110314	1 in (25.4 mm)
240417	Fluid T-Strainers 60 Mesh Strainer, 750 psi (51 bar) working pressure. Prevents foreign material from entering dispense lines. Not for use with grease lines. 1/2 in npt(f) swivel x 1/2 in npt(m) ports.



Item Description:
Pump, diaphragm, (EC)

Mark No.:

8586

Page 3 of 3

EQUIPMENT CUTSHEET

What Makes a Good Hose Reel?

Durability, performance and value built into every one of our new hose reels.

A robust frame, hose length and size are important, but the spring, latch and swivel are really the core of a hose reel. Our new spring design makes it easy to pull down—especially those last 10 feet, and a spring latch that retracts the hose so you don't have to fight to get it to operate. Plus, a durable full-flow swivel to maximize material flow with minimal pressure drop. See for yourself why Graco hose reels out-perform the competition.



Single or Dual Pedestal Options

Heavy-duty, high-strength steel construction with rolled edges and ribbed stress points for more strength than ever before

Improved High-Demand Spring

Long-life spring extends and retracts with constant force to reduce user fatigue

Full-Flow Swivel

Maximize material flow with minimal pressure drop

Spring Adjustment

Increase or decrease spring tension while reel is pressurized with fluid (XD models only)

Larger Hose Capacity with Smaller Profile

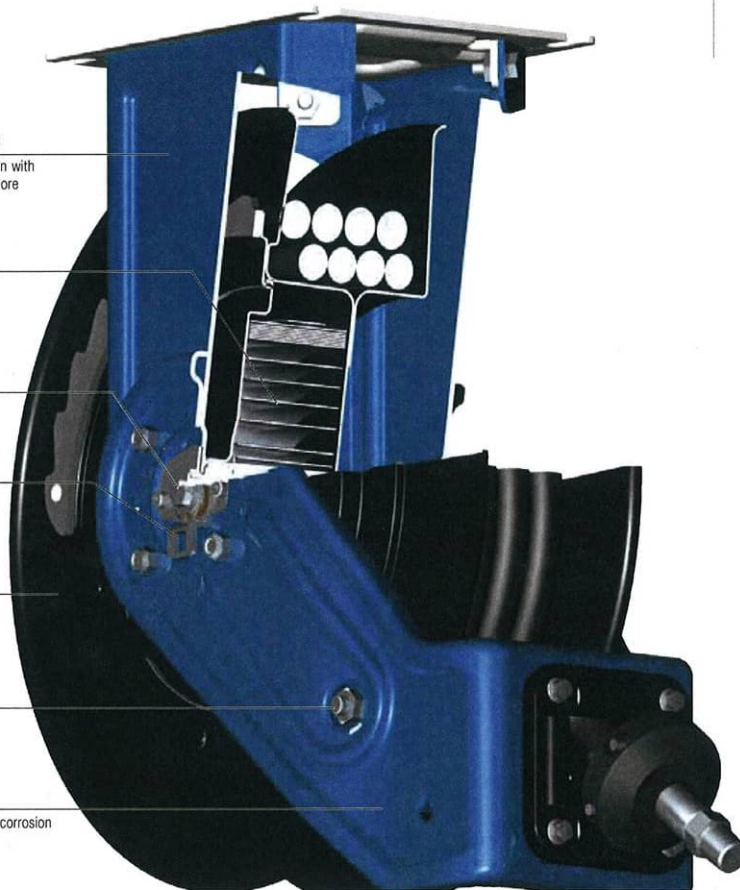
Compact pedestal and spool fits into tight spaces and can accommodate 35-65 foot (10-20 meters) hose capacity for a wide variety of applications

Improved Latch Design

No more frustrating lock-out at full hose extension

Durable Finish in More Colors

Baked-on enamel finish protects reel from corrosion for longer life—now available in six colors



XD model shown

Standard color: metallic blue.

Additional five colors available. Consult factory for lead times.



Item Description:
Reel bank (ATF, EC, EO1, EO2)

Mark No.:

8740

Page 1 of 5

EQUIPMENT CUTSHEET

Three New Families of Hose Reels

LD Series



Entry level hose reels designed for standard-duty applications

- Single Pedestal Frame
- Composite Spool
- Indoor Use
- Enclosure Available
- Compact Design Fits in Small Spaces
- Non-Sparking Ratchet

Markets

- Small Maintenance Shops
- Tire/Muffler Shops
- Small Fast Lubes
- Independent Repair Facilities

SD Series



Professional level hose reels designed for frequent, everyday use in a wide variety of applications

- Single Pedestal Frame
- Metal Spool
- Indoor and Moderate Outdoor Use
- Enclosure Available
- Compact Design Fits in Small Spaces
- Non-Sparking Ratchet

Markets

- Car Dealerships
- Light/Medium-Duty Truck Dealers
- Fleet Maintenance
- Mining Maintenance
- Public Works Garages
- Construction Vehicle Maintenance
- Light-Utility Service Trucks

XD Series



High performance hose reels designed for heavy-duty jobs that require high-frequency use, extra strength and durability

- Dual Pedestal Frame
- Metal Spool
- Rugged, Indoor and Outdoor Use
- Open Models
- Narrow Footprint
- Sealed Springs
- In-Field Spring Adjustment
- Non-Sparking Ratchet
- Sealed Roller Bearings

Markets

- Heavy-Duty Truck Dealers
- Fleet Maintenance
- Mining Maintenance
- Public Works Garages
- Construction Vehicle Maintenance
- Heavy-Duty Mobile Service Trucks

BUILT GRACO TOUGH



Item Description:
Reel bank (ATF, EC, EO1, EO2)

Mark No.:

8740

Page 2 of 5

EQUIPMENT CUTSHEET

Extreme Performer

XD Series

Hose Reels



Dual pedestal with metal spool.
Built to withstand rugged
environments. Inlet Hose Kit
sold separately.

Features

- Designed for robust/heavy-duty applications such as mobile lube trucks or large equipment service
- Dual pedestal frame provides increased strength for extreme-duty applications
- Long lasting spring is sealed for protection against the weather
- Narrow footprint so more reels will fit into the confined spaces of the lube truck
- Durable steel spool rides on sealed roller bearings to ensure trouble-free performance
- Available in three colors. Metallic blue is standard.

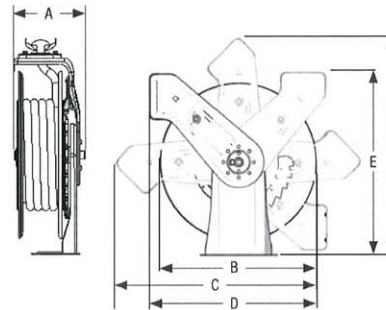
Dimensions

XD SERIES SIZE 10

A	7.5 in (196 mm)
B	16.2 in (412 mm)
C	21.0 in (533 mm)
D	18.0 in (457 mm)
E	18.5 in (470 mm)
F	22.5 (571 mm)

XD SERIES SIZE 20

A	7.5 in (196 mm)
B	18.1 in (460 mm)
C	23.4 in (594 mm)
D	20.0 in (508 mm)
E	21.0 in (533 mm)
F	25.2 in (640 mm)



Ordering Information

Technical Specifications

APPLICATION		PART NUMBERS BY COLOR			PRESSURE	HOSE		CONNECTION SIZE		OPERATING TEMP.
		Metallic Blue	White	Yellow		ID	Length ft (m)	Inlet npsm (m)	Outlet	
Air, Water, Anti-freeze, Windshield Washer Fluid	SIZE 10	HSL25B	HSL25A	HSL25F	300 (20.7)	3/8 in	50 (15)	1/2	3/8 npt (m)	-20° – 190° F (-28° – 87° C)
		HSL33B	HSL33A	HSL33F	300 (20.7)	1/2 in	35 (11)	1/2	1/2 npt (m)	
		HSL56B	HSL56A	HSL56F	300 (20.7)	3/8 in	65 (20)	1/2	3/8 npt (m)	
		HSL65B	HSL65A	HSL65F	300 (20.7)	1/2 in	50 (15)	1/2	1/2 npt (m)	
Petroleum- and Synthetic-based Oils	SIZE 10	HSM33B	HSM33A	HSM33F	2,000 (138)	1/2 in	35 (11)	1/2	1/2 npt (m)	
		HSM33B*	HSM33A*	HSM33F*	2,000 (138)	1/2 in	35 (11)	1/2	1/2 npt (f)	
	SIZE 20	HSM65B	HSM65A	HSM65F	2,000 (138)	1/2 in	50 (15)	1/2	1/2 npt (m)	
		HSM65B*	HSM65A*	HSM65F*	2,000 (138)	1/2 in	50 (15)	1/2	1/2 npt (f)	
Grease	SIZE 10	HS115B	HS115A	HS115F	5,000 (345)	1/4 in	50 (15)	3/8	1/4 npt (m)	-40° – 200° F (-40° – 93° C)
		HS115B*	HS115A*	HS115F*	4,000 (276)	3/8 in	35 (11)	3/8	1/4 npt (f)	
	SIZE 20	HS155B	HS155A	HS155F	4,000 (276)	3/8 in	50 (15)	3/8	1/4 npt (m)	
		HS155B*	HS155A*	HS155F*	4,000 (276)	3/8 in	50 (15)	3/8	1/4 npt (f)	

Wetted parts—Bare hose reel only: zinc plated steel, anodized aluminum, nitrile rubber
* Bare reel—hose sold separately

Dry Weight: 59 lbs (26.5 kg)



Item Description:
Reel bank (ATF, EC, EO1, EO2)

Mark No.:
8740
Page 3 of 5

EQUIPMENT CUTSHEET

SD Series Electronic Meters Dispense Meters and Control Valves

Features and Benefits

- Fluid inlet options (1/2 in and 3/4 in npt) meets standard and high-flow requirements
- Large LCD display and simple operator controls
- Locking trigger (LDP5/LDP15 models) and durable cast guard prevents accidental triggering
- Flush-mount nozzle valve design prevents leaks and contamination

Typical Applications

- Automotive dealerships
- Heavy-duty dealerships
- Fast lube centers
- Lube trucks
- Fleet service facilities
- Service shops
- In-plant
- Mining

Typical Fluids Handled

- Petroleum- and synthetic-based oils
- Anti-freeze

Technical Specifications

Flow Range ⁽¹⁾	0.1–14 gpm (0.4 - 53 lpm)
Maximum Working Pressure	1500 psi (103.4 bar)
Weight	5 lbs (2.3 kg)
Inlet	3/4 in–14 npt or 1/2 in–14 npt
Outlet	3/4 in–16 straight thread O-ring Boss
Maximum Totalizer	999,999 gallons or liters
Maximum Recorded Dispense	999.9 Units
Maximum Pre-Set Volume	999.9 Units
Storage Temperature Range	-40–158° F (-40–70° C)
Operating Temperature Range	4–158° F (-20–70° C)
Battery	4 AA alkaline or 4 AA lithium
Battery Life ⁽²⁾	Preset Models – six months w/alkaline, manual models – one year w/alkaline 4 AA alkaline/lithium
Wetted Parts	Aluminum, sst, pbt/pc, nitrile rubber, cs
Meter Pressure Loss ⁽³⁾	180 psi (12 bar) @ 14 gpm (53 lpm)
Accuracy ⁽⁴⁾	+/- 0.5%
Dimensions (without extension)	13 in L x 3.75 in W x 5.75 in H, (33cm x 9.5cm x 14.6cm)
Warranty	Five years overall, three years electronics
Instruction Manual	312865

⁽¹⁾Tested in 10W oil at 70° F. Flow rates vary with fluid pressure, temperature, viscosity, inlet and nozzle type.

⁽²⁾At 2.5 gpm (9.5 lpm) @ 70° F (21° C) with 10 wt. oil and 1 gal (3.8 l) dispensed. May require re-calibration. Out-of-box accuracy ±1.25%.

⁽³⁾Average shop use with alkaline batteries (included); 30-35% longer life with lithium AA.



Ordering Information

SDM5 MANUAL DISPENSE ELECTRONIC METER, 5 GPM OR LESS	
255350	1/2 in npt(f) swivel, rigid extension with standard automatic non-drip quick-close nozzle for oil
255348	1/2 in npt(f) swivel, flexible extension with standard automatic non-drip quick-close nozzle for oil
255349	1/2 in npt(f) swivel, extension with standard quick-close nozzle for gear lube
255802	1/2 in npt(f) swivel, rigid extension with standard quick-close nozzle for anti-freeze
255803	1/2 in npt(f) swivel, flexible extension with standard quick-close nozzle for anti-freeze
SDM15 MANUAL DISPENSE ELECTRONIC METER, 14 GPM OR LESS	
256836	1/2 in npt(f) swivel, rigid extension with high flow, quick-close nozzle for oil and anti-freeze
256837	1/2 in npt(f) swivel, flexible extension with high flow, quick-close nozzle for oil and anti-freeze
255800	3/4 in npt(f) swivel, rigid extension with high flow, quick-close nozzle for oil and anti-freeze
255801	3/4 in npt(f) swivel, flexible extension with high flow, quick-close nozzle for oil and anti-freeze
SDP5 PRESET DISPENSE ELECTRONIC METER, 5 GPM OR LESS	
255200	1/2 in npt(f) swivel, rigid extension with standard automatic non-drip quick-close nozzle for oil
255351	1/2 in npt(f) swivel, flexible extension with standard automatic non-drip quick-close nozzle for oil
255352	1/2 in npt(f) swivel, extension with standard quick-close nozzle for gear lube
255355	1/2 in npt(f) swivel, rigid extension with standard quick-close nozzle for anti-freeze
255356	1/2 in npt(f) swivel, flexible extension with standard quick-close nozzle for anti-freeze
SDP15 PRESET DISPENSE ELECTRONIC METER, 14 GPM OR LESS	
256838	1/2 in npt(f) swivel, rigid extension with high flow, quick-close nozzle for oil and anti-freeze
256839	1/2 in npt(f) swivel, flexible extension with high flow, quick-close nozzle for oil and anti-freeze
255353	3/4 in npt(f) swivel, rigid extension with high flow, quick-close nozzle for oil and anti-freeze
255354	3/4 in npt(f) swivel, flexible extension with high flow, quick-close nozzle for oil and anti-freeze



Item Description:
Reel bank (ATF, EC, EO1, EO2)

Mark No.:
8740
Page 4 of 5

EQUIPMENT CUTSHEET

Grease Dispense Valves Dispense Meters and Control Valves

Pro-Shot™ Non-Metered Grease Valves

- Rugged design for harsh environments
- Pressure-assisted trigger for ease of operation
- Easy top adjustment with locking nut
- Pro-Shot adjustment nut protected by rigid guard

Typical Applications

- Service shops
- Heavy-duty dealerships
- Fast lube centers
- Automotive dealerships
- In-plant
- Lube trucks
- Mining

Typical Fluids Handled

- Grease up to NLGI #2



Ordering Information

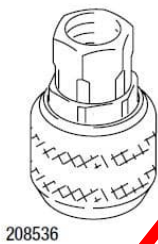
Pro-Shot Grease Dispense Valve	
242056	1/4 npt(f) inlet with coupler and extension 200389
242055	1/4 npt(f) inlet without coupler or extension
242058	3/8 npt(f) inlet with coupler and extension 200389
242057	3/8 npt(f) inlet without coupler or extension
224872	Includes 76.2 cm (30 in) whip hose (109148), Z-Swivel (202577) and grease valve (242056)

Z-Swivels

202579	1/8 npt(m) x 1/4 npt(f) free-ball bearing
202577	1/4 npt(m) x 1/4 npt(f) free-ball bearing use with dispense valve 242055 and 242056
224569	3/8 npt(m) x 3/8 npt(f) free-ball bearing use with dispense valve 242057 and 242058
207948	1/2 npt(m) x 1/2 npt(f) free-ball bearing

Quick-Connect Air Supply Couplers

Fast, convenient air hose attachment. Female thread allows easy attachment to Graco air hoses.



Part No.	Inlet npt	QD	Max WPR			Material
			psi	bar	MPa	
208536	1/4(f)	1/4	300	21	2.1	Brass
110198	3/8(f)	3/8	300	21	2.1	Brass
110199	1/2(f)	1/2	300	21	2.1	Brass
110200	3/4(f)	3/4	300	21	2.1	Brass

Water Valve

180685	Water/Anti-Freeze Bib is a durable, full-volume dispense nozzle for water, anti-freeze and windshield washer fluid. Nitrile rubber seals with 1/4 npt (f) inlet. Maximum pressure is 100 psi (7 bar)
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Item Description:
Reel bank (ATF, EC, EO1, EO2)

Mark No.:

8740

Page 5 of 5

EQUIPMENT CUTSHEET

HOOVER VAULT™ Fire Rated Double-Wall Aboveground Tanks



Vault Tank Options

- UL 142 listed double-wall inner tank, providing triple containment
- Larger tank capacities up to 30,000 gallons
- 3,000 PSI concrete
- Stainless steel inner tanks
- Dual compartments for multi-purpose use available in all capacities
- Lifting lugs and pump mounting brackets
- Fibervault® exterior coatings
- Internal coatings compatible with aviation fuels and other chemicals

Steps and Handrail Assembly



Ground Level Spill Box

Advantages of Hoover Vault Tanks:

- UL 2085 listed for Insulated, protected secondary containment
 - Two-hour fire rating using lightweight concrete
 - True 360° "pressure testable" secondary containment
 - Vehicle Impact protection
 - Ballistic Protection
 - Built-in leak detection tube
- Meets requirements of all National Fire Codes
 - UFC Articles 52 and 79, Appendix II and Standard A-II-F-I
 - NFPA Standards 30 and 30A
 - BOCA
 - SBCQ
- CARB Certified for Stage I and II Vapor Recovery
- Underwriter's Laboratories of Canada (ULC) Listed
- 30-Year warranty
- Factory Installed equipment packages:
 - Motor fuel dispensing, emergency generator/fuel oil, used oil collection (others available upon request)
- Standard Tank Capacities 250 to 20,000 gallons (larger sizes up to 30,000 gallons are available)

Standard Tank Sizes

CAPACITY (GALLONS)	LENGTH	WIDTH	HEIGHT	SHIPPING WEIGHT
250	4'9"	3'7"	3'9"	3,400 LBS.
500	6'8"	4'7"	3'9"	5,400 LBS.
1,000	7'9"	5'7"	4'9"	8,500 LBS.
1,500	10'7"	5'11"	4'9"	10,250 LBS.
2,000	11'10"	6'11"	4'9"	12,500 LBS.
2,500	9'5"	6'11"	7'1"	13,100 LBS.
3,000	9'8"	7'11"	7'1"	15,800 LBS.
4,000	12'8"	7'11"	7'1"	19,000 LBS.
5,000	15'8"	7'11"	7'1"	23,700 LBS.
6,000	18'8"	7'11"	7'1"	27,000 LBS.
8,000	24'8"	7'11"	7'1"	33,450 LBS.
10,000	30'8"	7'11"	7'1"	42,600 LBS.
12,000	36'8"	7'11"	7'1"	48,750 LBS.
15,000	45'8"	7'11"	7'1"	60,400 LBS.
20,000	60'8"	7'11"	7'1"	76,900 LBS.



Item Description:

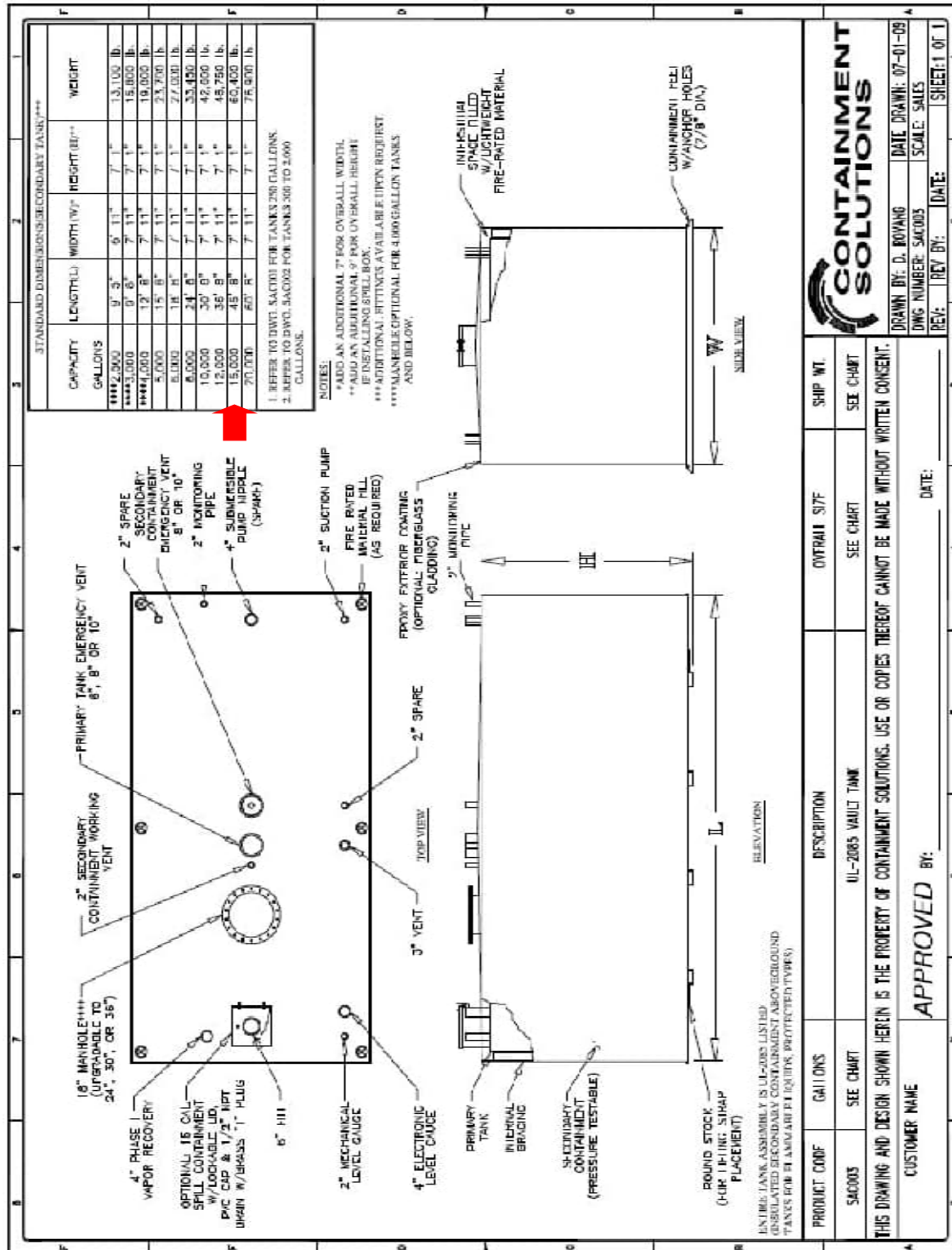
Tank, vault, steel, fire rated, double wall, 15,000 gallons

Mark No.:

8936

Page 1 of 2

EQUIPMENT CUTSHEET



Item Description:
Tank, vault, steel, fire rated, double wall, 15,000 gallons

Mark No.:
8936
Page 2 of 2

EQUIPMENT CUTSHEET

LUBE CUBE® MULTI-PURPOSE TANKS



STANDARD FEATURES:

- UL-142 listed
- Meets NFPA 30 Standard
- Skid mounted for easy installation
- Shop primed exterior
- Moveable by forklift
- NPT fittings with PVC plugs
Single-Wall: 5 (plus emergency vent opening)
Double-Wall: above fittings (plus emergency vent and inspection opening)
- Lifting lugs

OPTIONS:

- Corrosion resistant exterior coating
- 7 gallon spill box
- Custom sizes
- Compartments available
- Stainless-steel construction
- Interior coatings
- Equipment packages

Lube Cube® lube oil tanks are the best solution for storage of new and used lubrication oils. Lube Cubes provide lower installed costs than underground tanks, better space utilization than cylindrical aboveground tanks and lower operation costs than 55-gallon drums.

Lube Cube Tanks are designed for easy and convenient installation either indoors, in service bays or basements, or outdoors, next to the building. Lube Cube's rectangular shape allows for the storage of up to 20% more volume in a given space than comparable cylindrical tank capacities.

Lube Cubes are available as either single or double-wall tanks. Double-wall tanks are UL listed as integral secondary containment and therefore do not require dikes for leak containment.

Desert sand primer finish is standard. Special colors, coatings and interior linings, custom dimensions and equipment packages are available upon request.



Item Description:

Tank, storage, cube, 280 gallon (ATF)

Mark No.:

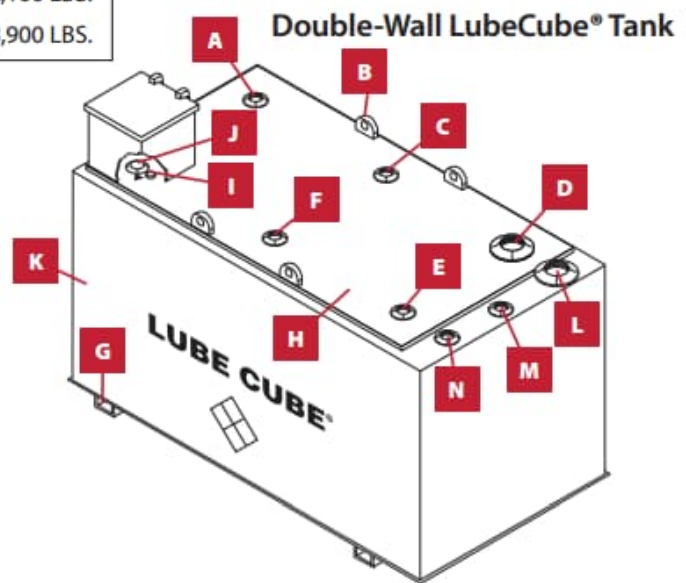
8940A

Page 1 of 2

EQUIPMENT CUTSHEET

STANDARD DOUBLE-WALL SIZES:

CAPACITY (GALLONS)	LENGTH	WIDTH	HEIGHT	SHIPPING WEIGHT
60	1' 11"	2' 10"	3' 1"	385 LBS.
120	3' 2"	2' 10"	3' 1"	485 LBS.
280	4' 10"	2' 10"	4' 1"	850 LBS.
480	5' 8"	3' 10"	4' 1"	1,350 LBS.
500	5' 1"	3' 10"	5' 1"	1,425 LBS.
650	6' 3"	3' 10"	5' 1"	1,525 LBS.
1,000	9' 4"	4' 0"	5' 1"	2,400 LBS.
1,500	13' 4"	4' 0"	5' 1"	3,250 LBS.
2,000	13' 9"	5' 0"	5' 1"	3,760 LBS.
2,500	17' 0"	5' 0"	5' 1"	4,500 LBS.
3,000	20' 5"	5' 0"	5' 1"	6,630 LBS.
4,000	22' 3"	5' 0"	6' 1"	8,130 LBS.
5,000	17' 1"	8' 0"	6' 1"	10,150 LBS.
6,000	20' 3"	8' 0"	6' 1"	11,400 LBS.
8,000	19' 11"	8' 0"	8' 1"	14,000 LBS.
10,000	24' 7"	8' 0"	8' 1"	16,125 LBS.
12,000	29' 3"	8' 0"	8' 1"	18,535 LBS.
15,000	36' 3"	8' 0"	8' 1"	22,100 LBS.
20,000	48' 2"	8' 0"	8' 1"	28,900 LBS.



A. Spare 2" or 4"

B. Lifting Lugs
(2) 60 - 650 Gallon
(4) 1,000 - 20,000 Gallon

C. 2" Primary Working Vent

D. Primary Tank Emergency Vent
4", 6", 8", or 10"

E. 2" Spare

F. 2" Gauge

G. Support Feet

H. Primary Tank
(SW - Corrosion Resistant Desert Sand
Primer Exterior Coating)

I. 1/2" NPT Drain with Optional Spill Box

J. Fill - 2", 4" or 6"

K. Secondary Tank with Corrosion
Resistant Desert Sand
Primer Exterior Coating

L. Secondary Containment
Emergency Vent 4", 6", 8" or 10"

M. 2" Monitor Point

N. 2" Secondary Containment
Working Vent



Item Description:

Tank, storage, cube, 280 gallon (ATF)

Mark No.:

8940A

Page 2 of 2

EQUIPMENT CUTSHEET

LUBE CUBE® MULTI-PURPOSE TANKS



STANDARD FEATURES:

- UL-142 listed
- Meets NFPA 30 Standard
- Skid mounted for easy installation
- Shop primed exterior
- Moveable by forklift
- NPT fittings with PVC plugs
Single-Wall: 5 (plus emergency vent opening)
Double-Wall: above fittings (plus emergency vent and inspection opening)
- Lifting lugs

OPTIONS:

- Corrosion resistant exterior coating
- 7 gallon spill box
- Custom sizes
- Compartments available
- Stainless-steel construction
- Interior coatings
- Equipment packages

Lube Cube® lube oil tanks are the best solution for storage of new and used lubrication oils. Lube Cubes provide lower installed costs than underground tanks, better space utilization than cylindrical aboveground tanks and lower operation costs than 55-gallon drums.

Lube Cube Tanks are designed for easy and convenient installation either indoors, in service bays or basements, or outdoors, next to the building. Lube Cube's rectangular shape allows for the storage of up to 20% more volume in a given space than comparable cylindrical tank capacities.

Lube Cubes are available as either single or double-wall tanks. Double-wall tanks are UL listed as integral secondary containment and therefore do not require dikes for leak containment.

Desert sand primer finish is standard. Special colors, coatings and interior linings, custom dimensions and equipment packages are available upon request.



Item Description:

Tank, storage, cube, 280 gallon (EC)

Mark No.:

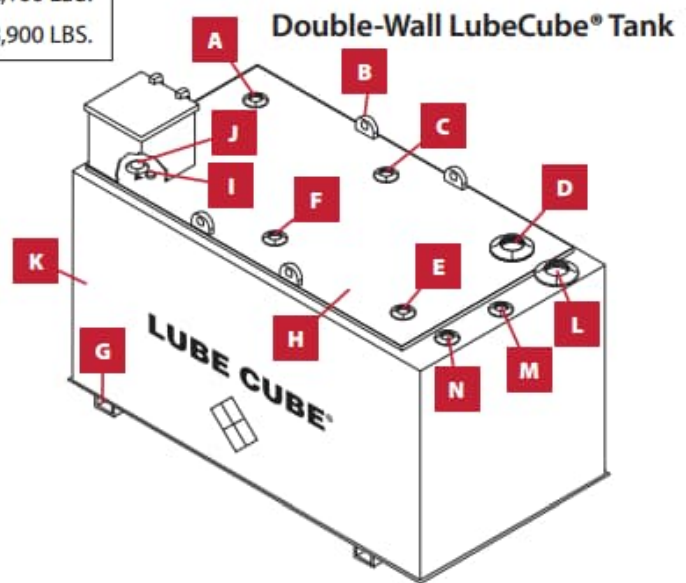
8940B

Page 1 of 2

EQUIPMENT CUTSHEET

STANDARD DOUBLE-WALL SIZES:

CAPACITY (GALLONS)	LENGTH	WIDTH	HEIGHT	SHIPPING WEIGHT
60	1' 11"	2' 10"	3' 1"	385 LBS.
120	3' 2"	2' 10"	3' 1"	485 LBS.
280	4' 10"	2' 10"	4' 1"	850 LBS.
480	5' 8"	3' 10"	4' 1"	1,350 LBS.
500	5' 1"	3' 10"	5' 1"	1,425 LBS.
650	6' 3"	3' 10"	5' 1"	1,525 LBS.
1,000	9' 4"	4' 0"	5' 1"	2,400 LBS.
1,500	13' 4"	4' 0"	5' 1"	3,250 LBS.
2,000	13' 9"	5' 0"	5' 1"	3,760 LBS.
2,500	17' 0"	5' 0"	5' 1"	4,500 LBS.
3,000	20' 5"	5' 0"	5' 1"	6,630 LBS.
4,000	22' 3"	5' 0"	6' 1"	8,130 LBS.
5,000	17' 1"	8' 0"	6' 1"	10,150 LBS.
6,000	20' 3"	8' 0"	6' 1"	11,400 LBS.
8,000	19' 11"	8' 0"	8' 1"	14,000 LBS.
10,000	24' 7"	8' 0"	8' 1"	16,125 LBS.
12,000	29' 3"	8' 0"	8' 1"	18,535 LBS.
15,000	36' 3"	8' 0"	8' 1"	22,100 LBS.
20,000	48' 2"	8' 0"	8' 1"	28,900 LBS.



- A. Spare 2" or 4"
- B. Lifting Lugs
(2) 60 - 650 Gallon
(4) 1,000 - 20,000 Gallon
- C. 2" Primary Working Vent
- D. Primary Tank Emergency Vent
4", 6", 8", or 10"
- E. 2" Spare
- F. 2" Gauge
- G. Support Feet
- H. Primary Tank
(SW - Corrosion Resistant Desert Sand
Primer Exterior Coating)
- I. ½" NPT Drain with Optional Spill Box
- J. Fill - 2", 4" or 6"
- K. Secondary Tank with Corrosion
Resistant Desert Sand
Primer Exterior Coating
- L. Secondary Containment
Emergency Vent 4", 6", 8" or 10"
- M. 2" Monitor Point
- N. 2" Secondary Containment
Working Vent



Item Description:

Tank, storage, cube, 280 gallon (EC)

Mark No.:

8940B

Page 2 of 2

EQUIPMENT CUTSHEET

LUBE CUBE® MULTI-PURPOSE TANKS



STANDARD FEATURES:

- UL-142 listed
- Meets NFPA 30 Standard
- Skid mounted for easy installation
- Shop primed exterior
- Moveable by forklift
- NPT fittings with PVC plugs
Single-Wall: 5 (plus emergency vent opening)
Double-Wall: above fittings (plus emergency vent and inspection opening)
- Lifting lugs

OPTIONS:

- Corrosion resistant exterior coating
- 7 gallon spill box
- Custom sizes
- Compartments available
- Stainless-steel construction
- Interior coatings
- Equipment packages

Lube Cube® lube oil tanks are the best solution for storage of new and used lubrication oils. Lube Cubes provide lower installed costs than underground tanks, better space utilization than cylindrical aboveground tanks and lower operation costs than 55-gallon drums.

Lube Cube Tanks are designed for easy and convenient installation either indoors, in service bays or basements, or outdoors, next to the building. Lube Cube's rectangular shape allows for the storage of up to 20% more volume in a given space than comparable cylindrical tank capacities.

Lube Cubes are available as either single or double-wall tanks. Double-wall tanks are UL listed as integral secondary containment and therefore do not require dikes for leak containment.

Desert sand primer finish is standard. Special colors, coatings and interior linings, custom dimensions and equipment packages are available upon request.



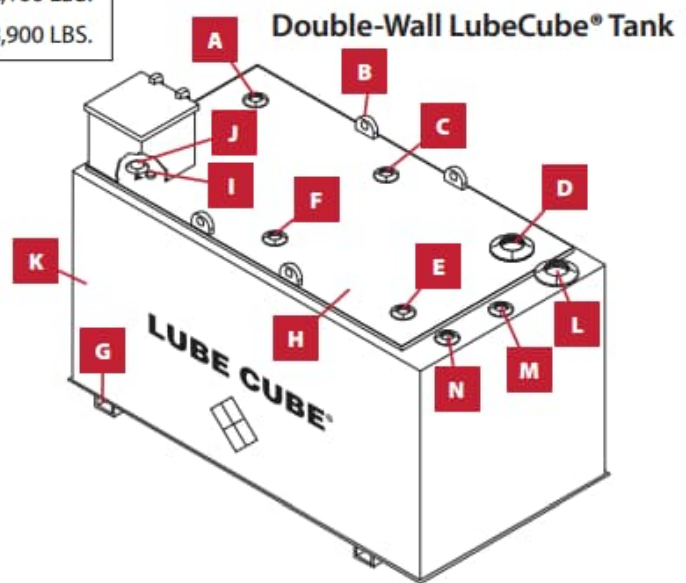
Item Description:
Tank, storage, cube, 280 gallon (EO1)

Mark No.:
8940C
Page 1 of 2

EQUIPMENT CUTSHEET

STANDARD DOUBLE-WALL SIZES:

CAPACITY (GALLONS)	LENGTH	WIDTH	HEIGHT	SHIPPING WEIGHT
60	1' 11"	2' 10"	3' 1"	385 LBS.
120	3' 2"	2' 10"	3' 1"	485 LBS.
280	4' 10"	2' 10"	4' 1"	850 LBS.
480	5' 8"	3' 10"	4' 1"	1,350 LBS.
500	5' 1"	3' 10"	5' 1"	1,425 LBS.
650	6' 3"	3' 10"	5' 1"	1,525 LBS.
1,000	9' 4"	4' 0"	5' 1"	2,400 LBS.
1,500	13' 4"	4' 0"	5' 1"	3,250 LBS.
2,000	13' 9"	5' 0"	5' 1"	3,760 LBS.
2,500	17' 0"	5' 0"	5' 1"	4,500 LBS.
3,000	20' 5"	5' 0"	5' 1"	6,630 LBS.
4,000	22' 3"	5' 0"	6' 1"	8,130 LBS.
5,000	17' 1"	8' 0"	6' 1"	10,150 LBS.
6,000	20' 3"	8' 0"	6' 1"	11,400 LBS.
8,000	19' 11"	8' 0"	8' 1"	14,000 LBS.
10,000	24' 7"	8' 0"	8' 1"	16,125 LBS.
12,000	29' 3"	8' 0"	8' 1"	18,535 LBS.
15,000	36' 3"	8' 0"	8' 1"	22,100 LBS.
20,000	48' 2"	8' 0"	8' 1"	28,900 LBS.



A. Spare 2" or 4"

B. Lifting Lugs
(2) 60 - 650 Gallon
(4) 1,000 - 20,000 Gallon

C. 2" Primary Working Vent

D. Primary Tank Emergency Vent
4", 6", 8", or 10"

E. 2" Spare

F. 2" Gauge

G. Support Feet

H. Primary Tank
(SW - Corrosion Resistant Desert Sand
Primer Exterior Coating)

I. 1/2" NPT Drain with Optional Spill Box

J. Fill - 2", 4" or 6"

K. Secondary Tank with Corrosion
Resistant Desert Sand
Primer Exterior Coating

L. Secondary Containment
Emergency Vent 4", 6", 8" or 10"

M. 2" Monitor Point

N. 2" Secondary Containment
Working Vent



Item Description:

Tank, storage, cube, 280 gallon (EO1)

Mark No.:

8940C

Page 2 of 2

EQUIPMENT CUTSHEET

LUBE CUBE® MULTI-PURPOSE TANKS



STANDARD FEATURES:

- UL-142 listed
- Meets NFPA 30 Standard
- Skid mounted for easy installation
- Shop primed exterior
- Moveable by forklift
- NPT fittings with PVC plugs
Single-Wall: 5 (plus emergency vent opening)
Double-Wall: above fittings (plus emergency vent and inspection opening)
- Lifting lugs

OPTIONS:

- Corrosion resistant exterior coating
- 7 gallon spill box
- Custom sizes
- Compartments available
- Stainless-steel construction
- Interior coatings
- Equipment packages

Lube Cube® lube oil tanks are the best solution for storage of new and used lubrication oils. Lube Cubes provide lower installed costs than underground tanks, better space utilization than cylindrical aboveground tanks and lower operation costs than 55-gallon drums.

Lube Cube Tanks are designed for easy and convenient installation either indoors, in service bays or basements, or outdoors, next to the building. Lube Cube's rectangular shape allows for the storage of up to 20% more volume in a given space than comparable cylindrical tank capacities.

Lube Cubes are available as either single or double-wall tanks. Double-wall tanks are UL listed as integral secondary containment and therefore do not require dikes for leak containment.

Desert sand primer finish is standard. Special colors, coatings and interior linings, custom dimensions and equipment packages are available upon request.



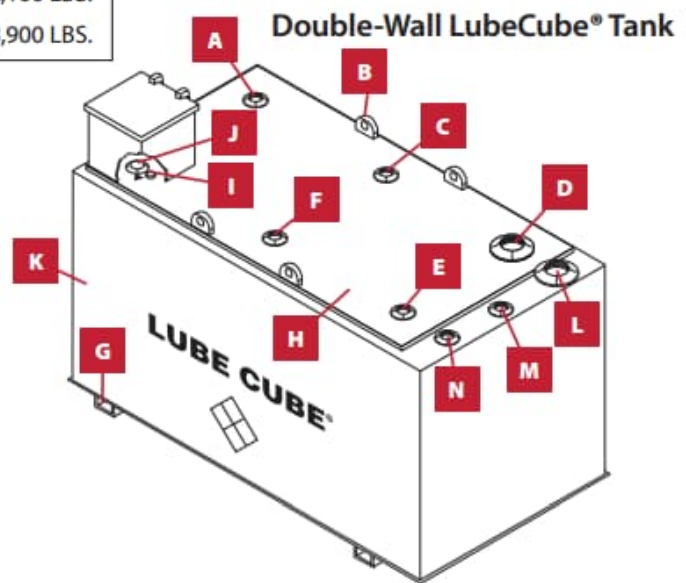
Item Description:
Tank, storage, cube, 280 gallon (EO2)

Mark No.:
8940D
Page 1 of 2

EQUIPMENT CUTSHEET

STANDARD DOUBLE-WALL SIZES:

CAPACITY (GALLONS)	LENGTH	WIDTH	HEIGHT	SHIPPING WEIGHT
60	1' 11"	2' 10"	3' 1"	385 LBS.
120	3' 2"	2' 10"	3' 1"	485 LBS.
280	4' 10"	2' 10"	4' 1"	850 LBS.
480	5' 8"	3' 10"	4' 1"	1,350 LBS.
500	5' 1"	3' 10"	5' 1"	1,425 LBS.
650	6' 3"	3' 10"	5' 1"	1,525 LBS.
1,000	9' 4"	4' 0"	5' 1"	2,400 LBS.
1,500	13' 4"	4' 0"	5' 1"	3,250 LBS.
2,000	13' 9"	5' 0"	5' 1"	3,760 LBS.
2,500	17' 0"	5' 0"	5' 1"	4,500 LBS.
3,000	20' 5"	5' 0"	5' 1"	6,630 LBS.
4,000	22' 3"	5' 0"	6' 1"	8,130 LBS.
5,000	17' 1"	8' 0"	6' 1"	10,150 LBS.
6,000	20' 3"	8' 0"	6' 1"	11,400 LBS.
8,000	19' 11"	8' 0"	8' 1"	14,000 LBS.
10,000	24' 7"	8' 0"	8' 1"	16,125 LBS.
12,000	29' 3"	8' 0"	8' 1"	18,535 LBS.
15,000	36' 3"	8' 0"	8' 1"	22,100 LBS.
20,000	48' 2"	8' 0"	8' 1"	28,900 LBS.



A. Spare 2" or 4"

B. Lifting Lugs
(2) 60 - 650 Gallon
(4) 1,000 - 20,000 Gallon

C. 2" Primary Working Vent

D. Primary Tank Emergency Vent
4", 6", 8", or 10"

E. 2" Spare

F. 2" Gauge

G. Support Feet

H. Primary Tank
(SW - Corrosion Resistant Desert Sand
Primer Exterior Coating)

I. 1/2" NPT Drain with Optional Spill Box

J. Fill - 2", 4" or 6"

K. Secondary Tank with Corrosion
Resistant Desert Sand
Primer Exterior Coating

L. Secondary Containment
Emergency Vent 4", 6", 8" or 10"

M. 2" Monitor Point

N. 2" Secondary Containment
Working Vent



Item Description:

Tank, storage, cube, 280 gallon (EO2)

Mark No.:

8940D

Page 2 of 2

EQUIPMENT CUTSHEET



Store used oil safely indoors and out in this versatile double containment storage system. SafeWaste™ Storage Systems feature a UL-listed storage tank and diaphragm suction pump and includes features like automatic overflow protection and an audible overspill prevention alarm.

SafeWaste Storage Systems are designed to be fully operational with minimal installation cost.

A complete selection of Containment Solutions storage systems are available nationwide. Our experienced sales staff is ready to assist you in selecting the tank best suited to fit your needs, or to custom design a complete system for you.

STANDARD FEATURES:

- Superior environmental protection
- Engineered to meet national and local codes
- Eliminates underground liability
- Tamper-proof self containment
- Versatile applications — indoor and outdoor
- Moveable by forklift
- UL-listed aboveground flammable liquid primary storage tank
- UL-listed air operated suction pump
- Environmental security enclosure cabinet
- 110% secondary containment
- Automatic overflow protection
- Audible overspill alarm
- Liquid level indicator
- 100% observable primary and secondary tanks
- Corrosion resistant exterior coating

OPTIONS:

- 2-hour fire protection, UL-2085
- Collection caddy



The SafeWaste mechanical components are enclosed in an easily accessible compartment.



Item Description:
Tank, waste, w/pump 250 gallon (WC)

Mark No.:
8991
Page 1 of 2

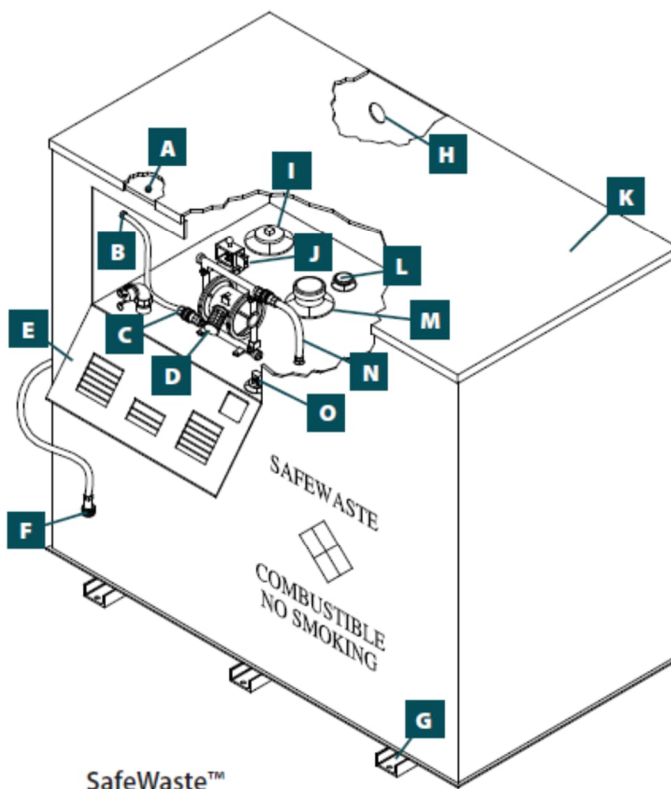
EQUIPMENT CUTSHEET

STANDARD TANK SIZES

MODEL NUMBER	CAPACITY (GALLONS)	LENGTH	WIDTH	HEIGHT	SHIPPING WEIGHT
SW250	250	3' 8"	3' 8"	6' 4"	1,500 LBS.
SW500	500	6' 10"	3' 8"	6' 4"	1,800 LBS.
SW1000	1,000	8' 5"	5' 9"	6' 4"	3,000 LBS.

UL-2085 LISTED, 2 HOUR FIRE RATED:

MODEL NUMBER	CAPACITY (GALLONS)	LENGTH	WIDTH	HEIGHT	SHIPPING WEIGHT
FRSW250	250	4' 8"	4' 8"	7' 4"	4,000 LBS.
FRSW500	500	7' 10"	4' 8"	7' 4"	6,600 LBS.
FRSW1000	1,000	9' 5"	6' 9"	7' 4"	10,800 LBS.



- A. 1/2" Full Coupling for Air Line Connection (Air Lines Removed for Clarity)
- B. UL Listed 3/4" x 8" Hardwall Suction Hose w/ Inline Strainer and Male/Female Quick Connect
- C. 2" Suction Tube w/ Kamlock and Dustcap
- D. UL Listed Air Operated 1" Double Diaphragm Pump
- E. 110% Secondary Containment w/ Locking Doors, Vent Louvers and Plexiglass View Port
- F. UL Listed 3/4" x 8" Hardwall Suction Hose w/ Inline Strainer and Male/Female Quick Connect
- G. Support Feet Anchoring and Inspection
- H. 3 1/8" Hole for Vent Pipe
- I. 4" Spare w/ PVC Plug
- J. Automatic Air Operated, High Level Shutoff Valve with Whistle
- K. UL 142 Listed Primary Storage Tank with Corrosion Resistant Coating (Standard Coating: Gray Epoxy)
- L. 2" Primary Working Vent
- M. 4" or 6" Primary Emergency Vent
- N. 3/4" Product Discharge Hose into Tank
- O. Product Level Gauge



Item Description:
Tank, waste, w/pump 250 gallon (WC)

Mark No.:
8991
Page 2 of 2

EQUIPMENT CUTSHEET

SAFEWASTE™ Used Oil Storage System



Standard Features:

- Superior environmental protection
- Engineered to meet national and local codes
- Eliminates underground liability
- Tamper-proof self containment
- Versatile applications — indoor and outdoor
- Moveable by forklift
- UL-listed aboveground flammable liquid primary storage tank
- UL-listed air operated suction pump
- Environmental security enclosure cabinet
- 110% secondary containment
- Automatic overflow protection
- Audible overspill alarm
- Liquid level indicator
- 100% observable primary and secondary tanks
- Corrosion resistant exterior coating

Options:

- 2-hour fire protection, UL-2085
- Collection caddy

Store used oil safely indoors and out in this versatile double containment storage system. SafeWaste™ Storage Systems feature a UL-listed storage tank and diaphragm suction pump and includes features like automatic overflow protection and an audible overspill prevention alarm.

SafeWaste Storage Systems are designed to be fully operational with minimal installation cost.

A complete selection of Containment Solutions storage systems are available nationwide. Our experienced sales staff is ready to assist you in selecting the tank best suited to fit your needs, or to custom design a complete system for you.



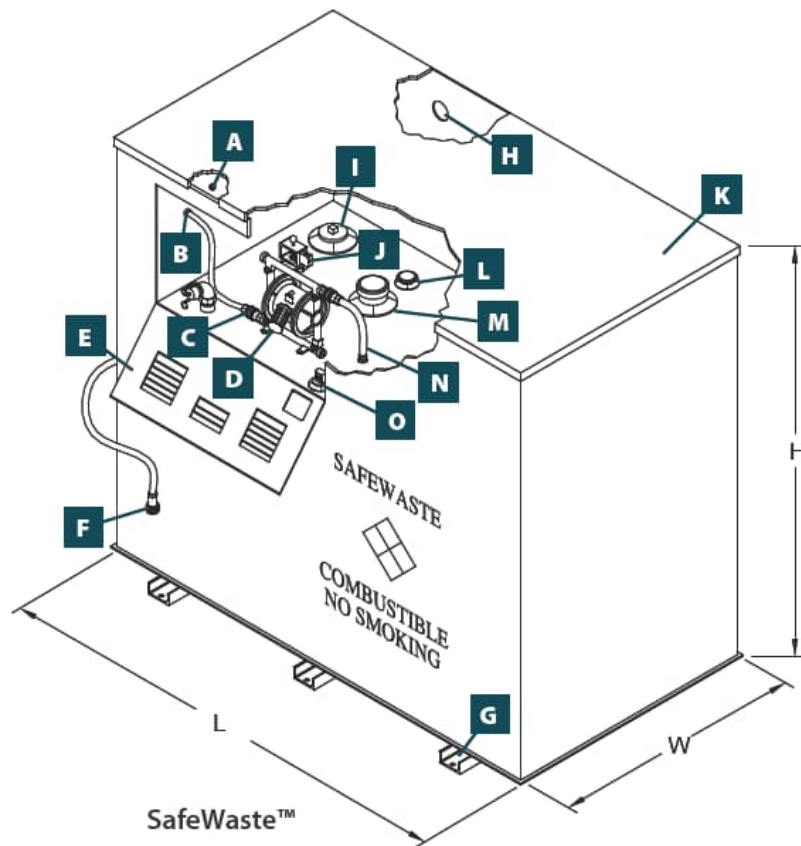
Item Description:
Tank, waste, w/pump 500 gallon (WO)

Mark No.:
8992
Page 1 of 2

EQUIPMENT CUTSHEET

Standard Tank Sizes

MODEL NUMBER	CAPACITY (GALLONS)	LENGTH	WIDTH	HEIGHT	SHIPPING WEIGHT
SW250	250	3' 8"	3' 8"	6' 4"	1,500 LBS.
→ SW500	500	6' 10"	3' 8"	6' 4"	1,800 LBS.
SW1000	1,000	8' 5"	5' 9"	6' 4"	3,000 LBS.



- A. 1/2" Full Coupling for Air Line Connection (Air Lines Removed for Clarity)
- B. UL Listed 3/4" x 8" Hardwall Suction Hose w/ Inline Strainer and Male/Female Quick Connect
- C. 2" Suction Tube w/ Kamlock and Dustcap
- D. UL Listed Air Operated 1" Double Diaphragm Pump
- E. 110% Secondary Containment w/ Locking Doors, Vent Louvers and Plexiglass View Port
- F. UL Listed 3/4" x 8" Hardwall Suction Hose w/ Inline Strainer and Male/Female Quick Connect
- G. Support Feet Anchoring and Inspection
- H. 3 1/8" Hole for Vent Pipe
- I. 4" Spare w/ PVC Plug
- J. Automatic Air Operated, High Level Shutoff Valve with Whistle
- K. UL 142 Listed Primary Storage Tank with Corrosion Resistant Coating (Standard Coating: Gray Epoxy)
- L. 2" Primary Working Vent
- M. 4" or 6" Primary Emergency Vent
- N. 3/4" Product Discharge Hose into Tank
- O. Product Level Gauge



The SafeWaste mechanical components are enclosed in an easily accessible compartment.



Item Description:
Tank, waste, w/pump 500 gallon (WO)

Mark No.:
8992
Page 2 of 2

EQUIPMENT CUTSHEET

**Scrub-up Sink, Wall Mounted
Mixing Faucet With Wrist Blade Handles
Models EWS2520W4C, EWS2520W6C, EWS2520,
EWS3120W4C, EWS3120W6C and EWS3120**

ELKAY®

SPECIFICATIONS

GENERAL

#14 gauge, type 304 (18-8), stainless steel scrub-up sink with 1-3/4" (44mm) radius vertical and horizontal coved corners. 1-1/2" (38mm) rolled rim. Full length 6" (152mm) high back-splash. Exposed surfaces are hand blended to a uniform lustrous satin finish. Underside is sound deadened. Furnished with wall hanger and stainless steel support brackets.

(CHECK MODEL SPECIFIED)

- ☐ EWS2520W4C (4" [102mm] Wrist Blade Handles)
- ☐ EWS2520W6C (6" [152mm] Wrist Blade Handles)
- ☐ EWS3120W4C (4" [102mm] Wrist Blade Handles)
- ☐ EWS3120W6C (6" [152mm] Wrist Blade Handles)

FURNISHED COMPLETE WITH:

SUPPLY: **LK393A.** Chrome plated mixing faucet with BH4A 4" (102mm) wrist blade handles, swing 10-1/4" (260mm) high gooseneck spout, AE19A vandal-resistant, anti-hose aerator.

– OR –

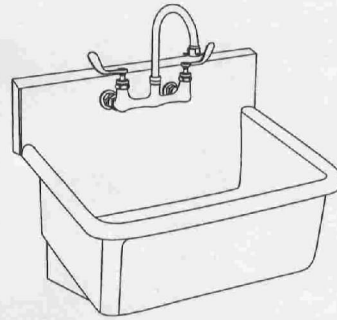
LK393ABH6. Chrome plated mixing faucet with BH6A 6" (152mm) wrist blade handles, swing 10-1/4" (260mm) high gooseneck spout, AE19A vandal-resistant, anti-hose aerator.

DRAIN: **LK18B.** Stainless steel perforated strainer grid. 1-1/2" (38mm) O.D. x 4" (102mm) stainless steel tailpiece.

FOLLOWING MODELS DO NOT INCLUDE FAUCETS AND DRAIN:

- ☐ EWS2520
- ☐ EWS3120

SPECIFY FAUCET DRILLINGS AND LOCATION.



Model EWS2520W6C

SEE OTHER SIDE FOR PRODUCT DIMENSIONS.

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice.

This specification describes an Elkay product with design, quality and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

Elkay
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Item Description:
Handwash station, shop

Mark No.:
9400
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