

POLAR

Specifications

49426 - 49433

2018 ALUMINUM, PNEUMATIC DRY BULKER, INTERIOR RING, NON-CODE TRAILER, SAND TRAILER

(APXS)

BARREL DESCRIPTION: Model: APXS 1040-1, Aluminum, Pneumatic dry bulker, Interior ring, Non-code trailer. (SAND TRAILER)

Code: APXS 1040-1, Aluminum, Pneumatic dry bulker, Interior ring, Non-code trailer. (SAND TRAILER)

Code: Non-code

Capacity: 1040 cubic feet, 3-hopper

Compartments: One

Shape: Round with 45 degree discharge hoppers, internal ring, with smooth exterior

Shell Material: Aluminum 5454H32 barrel, end cone, and upper hopper section

Head Material: Aluminum 5454H32

Operating Pressure: 15 PSI

Design Temperature: 180 degrees F

Overall Length: 41'

Product: Sand and various other dry products

Material Finish: Mill Finish

Use polished material 9731 - 0601 and 9731-0602 to build these units

CONSTRUCTION

Front: Bi-metal front frame. Galvanized channel, bolted to center frame with aluminum cross bracing

Rear: Bi-metal rear frame. Stainless steel channel, bolted to center frame with aluminum cross bracing

Center: Aluminum extruded channel

Struts: Aluminum extruded struts, single at both ends

Manhole: (3) Knappco MM2120, 20" aluminum cover, six hold down with nylon wear plates and additional safety retainer

Gasket: (3) White neoprene gasket in cover, not toxic

Manhole Hinge Location: Manhole covers hinged to curbside of trailer.

HOSE CARRIERS

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*Hose Carrier: (2) Aluminum tube 8" diameter x 21' long. Tube to be mounted to the outer edge of brackets

*Hose Carrier: (2) 8" Aluminum door, at rear, door hinged at bottom

*Carrier Location: One mounted roadside rear and one mounted curbside rear.

LIGHTS & WIRING

Lights: 12-volt, Truck-Lite LED grommet-mount lights.
Combination center marker/turn signals, mounted on barrel frame

Wiring: Plug-in style harness system

Rear Lights: Enclosed in stainless steel light boxes

Extra Lights: Truck-Lite grommet-mount LED round stop light mounted at bottom of rear head
(2) Truck light #81360, LED work light. One mounted roadside behind front fender and one at base of rear head, curbside. (If third light is selected, mount at base of rear head, roadside)
Master switch to operate all work lights or spot lights, mounted in gauge box

Nose Box: Standard 7-Way, J560 receptacle with out circuit breakers

UNDERCARRIAGE

Upper 5th Wheel: $\frac{5}{16}$ " heavy duty with A.A.R. style double hubbed kingpin

Paint: 5th wheel plate painted black

Landing Gear: Holland Atlas 55 2-speed

Bracing: Stainless steel, with cross brace

Crank Location: Roadside

Suspension: Hendrickson Intraax AAT23K, 23000#, tandem axle with standard 49" axle spacing, Hendrickson integrated axles. Stainless steel hangers with painted axle and trailing arm. (weld-on suspension only) (painted not included in option)
Polar load scale system. Liquid filled Seal Fast pressure gauge, 0 to 100 PSI, connected to air springs and mounted in gauge box. Scale operates when bags are inflated, no intermediate control. PSI to pounds conversion chart mounted on gauge box door

Dump Valve: AK-54 automatic

Bumper: No bumper provided

Tow Hooks 5/8" galvanized plate with single hole, mounted at rear of sub frame

Under-ride Protection: None (no under ride required. Wheels back exempt)

Beam: Inverted axle, humped up

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Track:	71 ½" track
Spindle:	P spindles (parallel) same inner and outer bearing
Wheel Seals:	Stemco Guardian standard w/ Hendrickson HXL
Hubs & Drums:	Hub-piloted, Dura-light hub with centrifuse drum. Includes Hendrickson, extended life system "HXL", 7 year warranty. This package comes with synthetic semi-fluid grease, seals, and wheel-ends.
Brakes:	S-cam, 16 ½" x 7", Extended Service
*Anti-Lock/Roll Stability:	Meritor 4S/2M with standard roll stability system deleted per customer request
Brake Chambers:	OEM
Brake Lining:	Extended Service, non-asbestos
Slack Adjusters:	OEM automatic
Valves:	Sealco
Glad Hands:	Berg
Air Systems:	To DOT specifications, single aluminum tank system, 2800 cu. in.
*Wheels:	Alcoa "LvL one" clean buff 22.5 x 8.25 aluminum disc
*Tires:	Long Haul Radial 11R 22.5 Load Range G, 14-ply tire
Mud Flaps:	White plastic with Polar logo, mounted front and rear Front & Rear - aluminum contour
Hose Hook:	Adjustable hose hook mounted at roadside with front fender hose holder mounted at fender mounting bracket. NOTE: Hose holder and dummy adapter to be mounted roadside of trailer.
Jumper Hose:	None.

VALVING & PIPING

*Discharge Valves:	5" Black Maxx butterfly valves with ductile, buna seat. #5B-600-530-HD10
*Discharge Tee:	(3) 5" x 4" BTI, zinc plated sand hog discharge tee
Piping:	4" Galvanized steel, schedule 40 between hoppers ending at Last hopper. 4" galvanized steel discharge, straight under the axles, ending at the rear of the trailer
Pipeline Connectors:	4" Bolted groove type couplers mounted at rear of rear hopper and forward of first hopper with black gaskets. Black rubber hose with stainless steel clamps between hoppers
*Adaptor:	4" aluminum male adaptor.
*Cap:	4" Aluminum dust plug
*Air Inlet:	3" Aluminum on roadside with front elbowed upward with 3" thread. One (1) 3" BTI Black Maxx#3B-600-530-HD10 valve with Ductile Disc & buna seat.
*Check Valves:	Two 3" BTI Optima flanged check valves, one forward of first hopper, one near front of air inlet line #3030sq.

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Adaptor:	3" Aluminum male adaptor
Cap:	None. Temporary plug for shipping
*Aeration:	3" Aluminum aeration line on curbside controlled by 3" BTI Black Maxx #3B-600-530-HD10 butterfly valve, with Ductile disc and buna seat. Two one port aerators and one 3 port aerators. (3) BTI aerators per hopper.
*Blow-down:	3" Aluminum pipe and 3" Black Maxx #3b-600-530-HD10 butterfly valve, ductile disc and buna seat.
*Relief Valve:	2" BTI quick coupler relief valve in blowdown line. Relief valve to be accessible from ground level. Relief valve set at 18 PSI.
*Top Air:	3" Aluminum pipe and 3" Black Maxx #3B-600-530-HD10 butterfly valve
*Pressure:	Liquid filled, one for line pressure, one for tank pressure, enclosed in aluminum gauge box with light, located roadside, ahead of fender, facing forward.

WALKWAY & LADDER

Walkway	
Top Center:	Non-skid tape, full length of barrel
Top Center:	19" aluminum at rear end frame to ladder.
Toe Rail:	1 ¼" aluminum pipe each side of walkway, full length
Ladder:	Aluminum tubular with large platform step, bolt on
Location:	Mounted at rear head, centered

MISCELLANEOUS

Decals:	Standard warning and safety package
Conspicuity Tape:	Discontinuous 3M tape
Document Holder:	Truck-Lite #97960
Paint:	Polyurethane on all carbon steel parts, black.
Interior Cleaning:	Class 1, as welded. Note: Interior cleaning is recommended prior to initial loading to avoid possible product contamination
Warranty:	Polar standard two year

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