

Bid Specifications – Air Compressor

40-cfm (1.13 m³/min) Basic Capacity



Compliance to Specifications The Bidder shall indicate their compliance by checking "Yes" or "No" for each item specified. Any space not checked shall be interpreted as non-compliance and will result in disqualification of the bid.

Make & Model	<u>AC40 Air Compressor</u>	Comply to Specification		Deviation from Specification
		Yes	No	
Output Capacity	Measured as free air delivery (FAD) under following reference conditions: <ul style="list-style-type: none"> • Nominal speed 1650 rpm • Absolute inlet pressure 14.5 psig (1 bar) • Air inlet temperature 60°F (15.5°C) • Relative air humidity 0% 40 acfm @ 100 psig (1.13 m ³ /min @ 6.9 bar)			
Specifications & Standards	Overall dimensions (LxWxH) <ul style="list-style-type: none"> • 28-1/2"x24-7/8"x17" • (724mm x 632mm x 432mm) 			
	<ul style="list-style-type: none"> • Compressor mounting dimensions (WxL) is 13-3/8"x12" (7/16" Diameter Holes) • (339.7mm x 304.8mm-11.1mm Holes) 			
	Weight shall not exceed <ul style="list-style-type: none"> • 180 lbs. (81.6kg) 			
	Mounting – vibration isolator mounts			
	Paint – Auto Crane White			
Hydraulic System Requirements	Optimum flow of 12.2 gpm @ 1,450 psi. (46.2 lpm @ 100.0 bar) (A hydraulic power source shall be provided if an adequate system is not already on the vehicle.)			
	Fluid viscosity 150 SSU @ 100 deg.-F (37.8°C)			
	Oil capacity 1.33 quarts (1.25 l)			

Bid Specifications – Air Compressor

Main valve:	<ul style="list-style-type: none"> • Mono-block type with individual cartridge valves for easy accessibility and serviceability. • Priority flow control valve to limit rpm of the compressor in the free running (unloaded) condition, preventing damage under excess system flow. 				
	Hose connections:	<ul style="list-style-type: none"> • Pressure side -12 JIC 37 deg. • Return side -12 JIC 37 deg. • Air Outlet – 1/2” NPT Female 			

Pneumatic Control System	Dual mode operation:			
	<ul style="list-style-type: none"> • Auto mode – compressor shall stop at a pre-set high pressure and resume operation at a pre-set low pressure. 			

Electrical System	Control voltage: 12V DC			
	Current draw: 20 amps			

Warranty	Manufacturer shall provide a two-year limited warranty against defects in materials and workmanship from the date of delivery			
-----------------	--	--	--	--

Options (Must be available as required)	30-gal air receiver (.11m ³)			
	60-gal air receiver (.23m ³)			
	Air filter, regulator, and lubricator combination with automatic drain and lockable shutoff.			
	Hose reel with 50-ft of ½ inch air hose (15.2m of 12.7mm)			

Notes:

Submitted by: _____

Date: _____