



PRODUCT DATASHEET

BOOSTER COMPRESSOR

NCA 57-345-DSD-B-DNV

2,000 SCFM / 345 BAR (5000 PSI)



AUSTRALIA | UNITED ARAB EMIRATES | SAUDI ARABIA | NEW ZEALAND | KAZAKHSTAN | TURKEY | GEORGIA | AZERBAIJAN | IVORY COAST | ITALY
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NCA 57-345-DSD-B-DNV BOOSTER COMPRESSOR

SPECIFICATIONS

Model	NCA 57-345-DSD-B-DNV		
Capacity	2,000 scfm (56.6 m³/min)		
Suction Pressure	325 psig (22.4 barg)		
Discharge Pressure	5,000 psig (344.8 barg)		
Engine	Caterpillar C18		
	Rated for 700 hp (522 kw) @ 1800 rpm		
Fuel Consumption	50%	60–70 L/hr	
	75%	80–95 L/hr	
	100%	100–120 L/hr	
Weight	17,200 kg		
Dimensions	6060 m × 2440 m × 2890 m		

Custom engineered package in a DNV certified container with many client specific features.

- Piping and vessels designed and built to ASME process piping standard B31.3 (extreme cyclic duty 100% X-ray)
- Hand winch and safety chains on the package end doors
- Removable sub frames for equipment with removable end bracing on end walls
- Engine muffler and exhaust insulation on all packages inside structure
- Waste oil storage incorporated in structure frame rails with piping for drains
- One low level switch on the fuel day tanks wired to a 24 volt DC strobe light
- Four 24 volt fixtures and switch rated for Class 1, Division 2 and wired to 24 volt battery bank
- One diaphragm pump and manifold station with 20 ft discharge hose, male and female camlock fittings, plug and cap
- Double jacketed soft lifting sling that is DNV certifiable and designed for 50,000 lb four point 45° lift stainless steel equipment tags
- PSV vent headers with a flanged skid connection
- Discharge pressures up to 5000 psig
- Heavy duty balanced opposed compressor frames
- Oversized piping for pulsation control
- ASME coded moisture separators and suction scrubbers
- Bypass valves for accurate capacity control
- NEMA 4/4X control panel with analog as well as digital indication of process parameters, alarms and shutdowns
- Filled with initial fluids (lubricants and glycol) and run tested for 8 hours prior to shipping
- Sight glasses on the vertical vessels and bulls-eyes on the horizontal vessels
- Connections at skid edge discharge (main discharge, off spec vent, and PSV vent) are RF flanges with a short spool to flange packages with 2 in 1502 winged hammer unions with cap/plug

