



دايفتيك
DIVETECH

HP Air Compressor – Nardi DMES-HPC-039 Specification

HP Air Compressor Specification

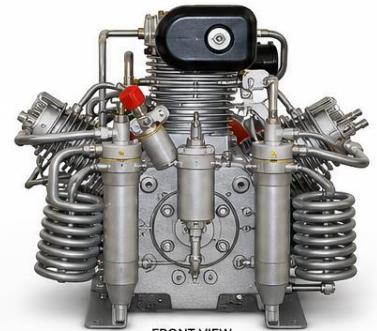
HP AIR COMPRESSOR – NARDI PACIFIC P35 (DMES-HPC-039)



LEFT VIEW

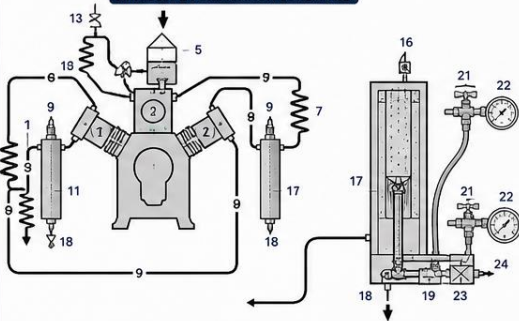


RIGHT VIEW



FRONT VIEW

AIR FLOW & PURIFICATION SCHEMATIC



COMPRESSOR BLOCK (LUBE OIL CIRCUIT)

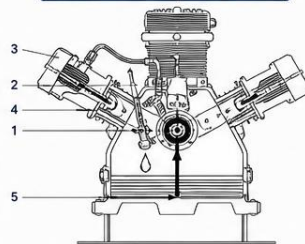


Abb. 35 Lube oil circuit

OIL SIGHT GAUGE

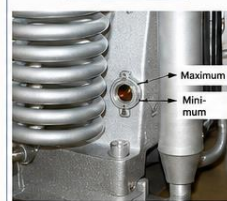
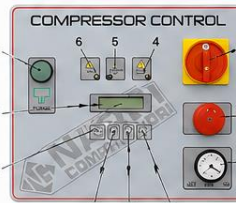


Abb. 36 Oil sight gauge

OIL PUMP & FILTER ASSEMBLY

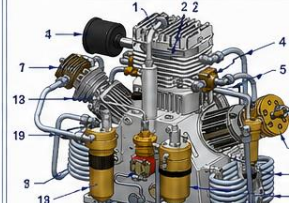


COMPRESSOR CONTROL PANEL



- 1 Main Switch
- 2 Emergency Stop
- 3 Pressure Gauge
- 4 Service Indicator
- 5 Warning Indicator
- 6 High Temperature
- 7 Start / Purge
- 8 Hour Meter / Display
- 9 Manual Drain
- 10 Auto Drain
- 11 B-Timer
- 12 Compressor Reset

3D CUTAWAY – COMPRESSOR BLOCK



- 1 Air Filter
- 2 4th Stage
- 3 3rd Stage
- 4 2nd Stage
- 5 Check Valve
- 6 Intercooler
- 7 Oil Pump
- 8 Flywheel
- 9 Aftercooler
- 10 Safety Valve
- 11 Head (1st Stage)
- 12 Cylinder (1st Stage)
- 13 Breather
- 14 Intercooler (2)
- 15 Oil Separator
- 16 Crankcase
- 17 Connecting Rod

HP Air Compressor – Nardi

DMES-HPC-039 Specification

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Specifications

Item	Value
Manufacturer	Nardi
Model	Pacific P35
Plant and Serial Number	DMES-HPC-039 (390215)
Type	High Pressure Compressor (Breathing Air)
Motor Drive	Three Phase Squirrel Cage (IP 55–B3 Construction)
Operating Voltage	380–415 V, 50 Hz; 380–480 V, 50 Hz
Motor Power	10 Hp (7.5 kW), 15.3 Amps
Max. Operating Pressure	3000 PSI (207 Bar)
RPM	1,550 min ⁻¹
Number of Stages	4
Number of Cylinders	3
Cylinder Bore 1st Stage	105 mm
Cylinder Bore 2nd Stage	105/88 mm
Cylinder Bore 3rd Stage	28 mm
Cylinder Bore 4th Stage	12 mm
Piston Stroke	40 mm
Intermediate Pressure 1st Stage	3 Bar / 43 Psi
Intermediate Pressure 2nd Stage	16 Bar / 230 Psi
Intermediate Pressure 3rd Stage	80 Bar / 1160 Psi

HP Air Compressor – Nardi DMES-HPC-039 Specification

HP Air Compressor Specification

Specifications

Item	Value
Compressor Block Oil Capacity	3.5 Ltr / 0.924 Gal (US)
Oil Pressure	3 to 6 bar
Oil Type	Synthetic / Mineral Oil
Environment Working Temperature	+5 ... +45°C (+43 ... +113°F)
Max. Operating Height	2000 Meter / 6500 Feet
Air Quality	DIN EN 12021 Breathing Air 2014-07
Dimensions	48 × 32 × 38 in. (120 × 080 × 095 cm)
Weight	313 lbs (142 kg)

Features

High pressure compressor, 320 L / min, 7.5 kW, three-phase motor 400 V, 50 Hz, P 31 filter system.

Compressor block 3 cylinders, 4-stage.

Micronic intake.

Intercooler / aftercooler.

Intermediate / final separator for oil / water condensate.

Intermediate pressure safety valves after each compressor stage.

End pressure safety valve type tested according to TÜV.

Pressure holding / check valve after the last compressor stage.

Oil lubrication.

Three-phase motor.

Motor protection switch and connecting cable including plug.

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Features

Support frame or lintel frame in vibration-optimized construction.

Lightweight construction through the use of aluminum alloys.

Filter system P 31 with long-term filter cartridge TRIPLEX.

B-Timer.

Filling device PN 200 bar, 3 filling connections each consisting of; 1 filling hose, 1 m long.

1 filling valve PN 200 bar with automatic ventilation and manometer.