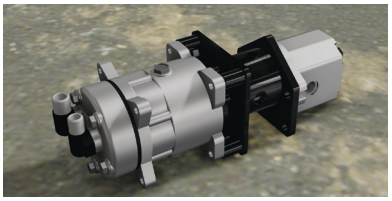
HYDRAULIC AIR-CONDITIONING COMPRESSOR DRIVES

POLAR P-9976 PRODUCT LINE

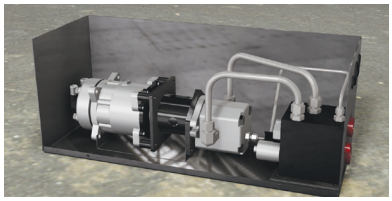
...designed for maximum reliability in mobile equipment!

...manufactured for the rigorous environments of the Mining, Forestry, Heavy Construction and Military industries!

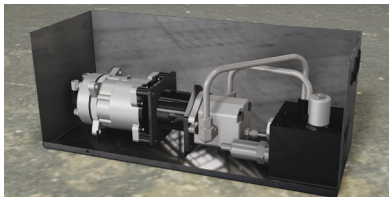
- Available for "Open Center" Open or Closed" Loop Systems to Max 3000psi /20685Kpa
- Available for "Closed Center" Pressure Compensated or Load Sense Systems to Max 3000psi /20685Kpa
- Available in 12vdc or 24vdc



P-9976-11
Hyd Comp Drive



P-9976-11-OC-12
Open Center Loop System



P-9976-11-CC-12
Closed Center Pressure Comp/ Load Sense System

SPECIFICATIONS

- Compressor Rotation Clockwise Only (MAX 3000 RPM)
- Refrigeration Capacity 21,400 BTU/HR (6.3 KW) at 2300 Rpm
- With Evap Gas Temperature of 36F / 2C & Inlet Evap Air Temp of 76F / 24C

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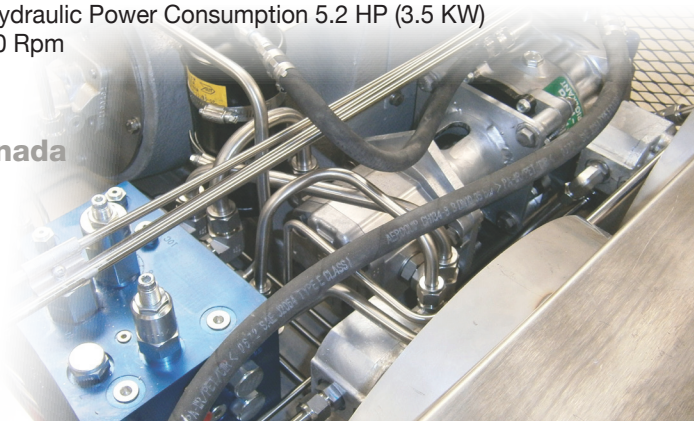
HYDRAULIC REQUIREMENTS

P-9976-11 (0.67Cu"/11cc Motor)

- Required Input Hydraulic Volume = 6 Gpm/22L to 7 Gpm/26L
- Adjustable Volume to Compressor 0.67Cu"/11cc Motor =3.5 Gpm/13L to 7 Gpm/26L
- Required Pressure = 1500psi /10350Kpa to Max 3000psi /20685Kpa
- Input Hydraulic Power Consumption 5.2 HP (3.5 KW) AT 2300 Rpm

P-9976-19 (1.16 Cu"/19cc Motor)

- Required Input Hydraulic Volume = 11 Gpm/41L to 15 Gpm/57
- Adjustable Volume to Compressor 1.16 Cu"/19CC Motor =7.5 Gpm/28L to 15 Gpm/57L
- Required Pressure = 827psi / 5700Kpa to Max 3000psi /20685Kpa
- Input Hydraulic Power Consumption 5.2 HP (3.5 KW) AT 2300 Rpm



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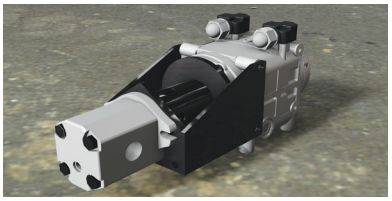
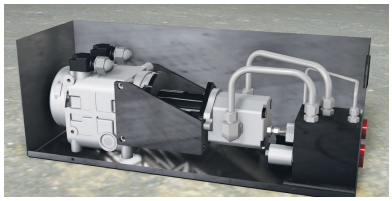
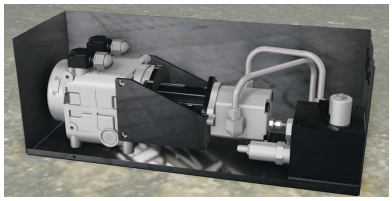


P-9976-29
Hyd Comp Drive



P-9976-29-OC-12
Open Center Loop System



P-9976-29-CC-12
Closed Center Pressure Comp/ Load Sense System

SPECIFICATIONS

- Compressor Rotation Clockwise Only (MAX 3000 RPM)
- Refrigeration Capacity 47,000 BTU/HR (13.87 KW) at 2700 Rpm
- With Evap Gas Temperature of 36F / 2C & Inlet Evap Air Temp of 76F / 24C

HYDRAULIC REQUIREMENTS

P-9976-29 (1.16 Cu"/19CC Motor)

- Required Input Hydraulic Volume = 13.6 Gpm/ 52L to 15 Gpm/57L
- Adjustable Volume to Compressor 1.16 Cu"/19CC Motor =7.5 Gpm/28L to 15 Gpm/57L
- Required Pressure = 1500psi /10350Kpa to Max 3000psi /20685Kpa
- Input Hydraulic Power Consumption 11.7 HP (7.8 KW) AT 2700 RPM

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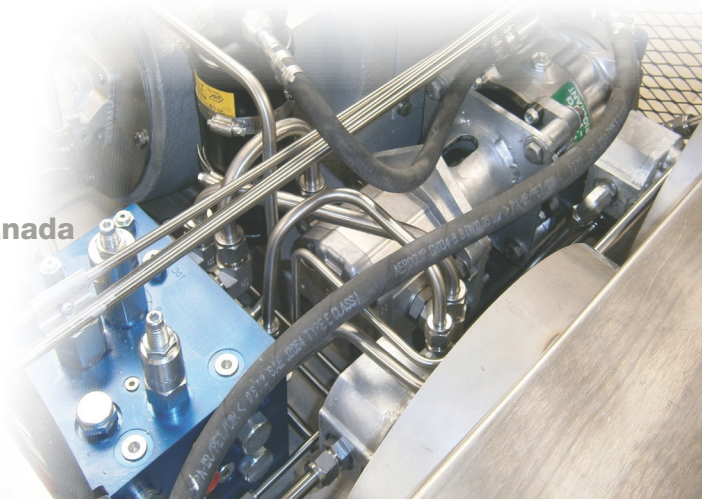

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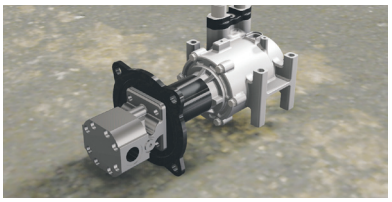
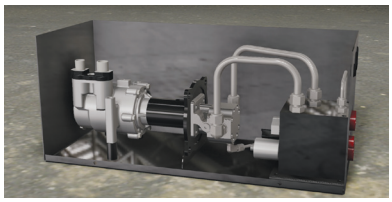
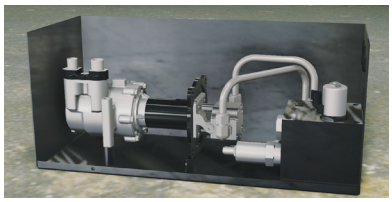


P-9976-3
Hyd Comp Drive



P-9976-33-OC-12
Open Center Loop System



P-9976-33-CC-12
Closed Center Pressure Comp/ Load Sense System

SPECIFICATIONS

- Compressor Rotation Clockwise Only (MAX 4200 RPM)
- Refrigeration Capacity 18360 BTU/HR (5.4 KW) at 4000 Rpm
- With Evap Gas Temperature of 36F / 2C & Inlet Evap Air Temp of 76F / 24C

HYDRAULIC REQUIREMENTS

P-9976-33

- Input Hydraulic Volume = 3 GPM/11.44L to 4 GPM/15L MAX
- Required Pressure = 827psi / 5700Kpa to Max 3000psi /20685Kpa
- Input Hydraulic Power Consumption 4.60 HP (3.1 KW) AT 4000 Rpm

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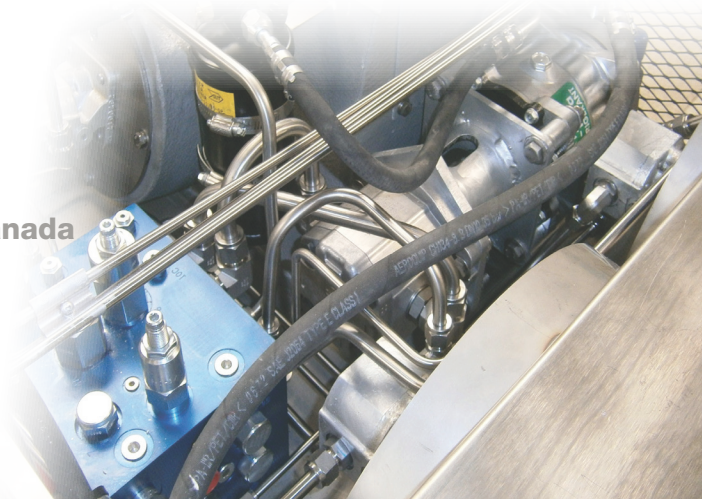

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