HYDRATRON

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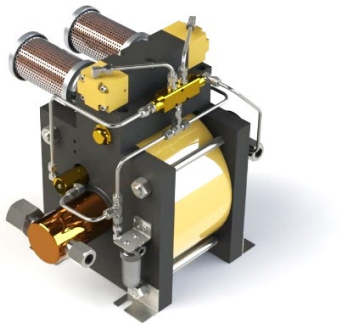
TECHNICAL DATA SHEET

PRODUCT	**PU-DA33/4-N*-L1****/options
SERIES	**DA Double Acting** Air operated, high flow, double acting hydraulic pumps for pressure testing, chemical injection and hydraulic power.



FEATURES

- Infinitely variable output pressure and flow
- Holds static pressure without generating heat or consuming power
- Standard models are suitable for oil or water applications
- Well proven and trouble-free operation
- Designed for ease of maintenance
- Low cost servicing
- Robust construction

PERFORMANCE DATA

Max Rated Output Pressure	3,330psi (230bar)
Output Per Cycle	15.6 in³ (256cc)
Max Flow	2,127 in³/min (35 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	33 : 1
Air Consumption	120 scfm (3,400 Nl/min)

SEAL OPTIONS (N*)

N* (standard)	Nitrile (Buna-N) Main Seal and Check Valve Seals
V	Viton (FKM) Main Seal and Check Valve Seals
C	Chemraz (FFKM) Main Seal and Check Valve Seals

CONSTRUCTION

Air Motor	Anodised Aluminium / Nitrile (Buna-N) Seals

Hydraulic Cylinder	Aluminium Bronze
Piston	Stainless Steel + Corrosion Resistant Chrome Finish
Check Valves	Stainless Steel (Seals as per Selected Seal Option)
Pilot Air Valves	Brass / Stainless Steel Internals / Nitrile (Buna-N) Seals / Stainless Steel Pipework
L1** (standard)	Plated Steel Silencer
L2** (optional)	Stainless Steel Silencer

CONNECTIONS

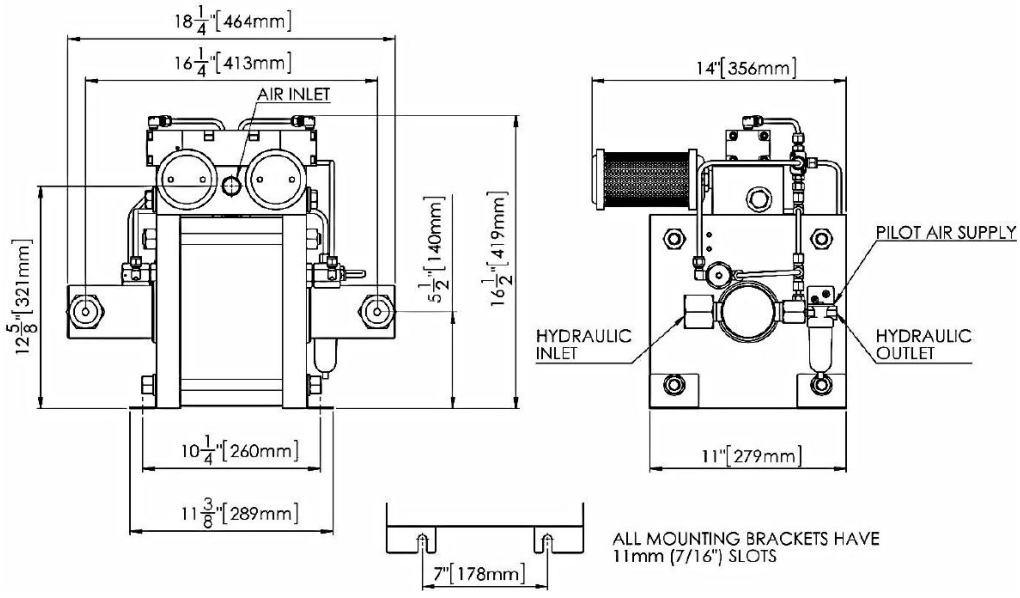
Hydraulic Inlet	1" NPT(F)
Hydraulic Outlet	1/2" NPT(F)
Air Inlet	3/4" NPT(F)
Pilot Air Supply	1/8" BSPP(F)
Net Weight	40kg (88lb)

COMMON OPTIONS (BUT NOT LIMITED TO)

/ A	ATEX - Zone 1 Category II
/ F	Panel mount digital stroke counter (non ATEX)
/ G	Panel mount pneumatic stroke counter

GENERAL LAYOUT DRAWING

Model: **PU-DA33/4**



HYDRAULIC PRESSURE STATIC / STALL CONDITIONS

AIR PRESSURE	HYDRAULIC PRESSURE
20psi (1.4bar)	670psi (46bar)
40psi (2.8bar)	1,330psi (92bar)
60psi (4bar)	2,000psi (138bar)
80psi (5.5bar)	2,665psi (184bar)
100psi (7bar)	3,330psi (230bar)

FLOW CURVE

DA33 - **Ratio 33:1**