

+44 (0)161 928 6221 info@hydratron.co.uk

TECHNICAL DATA SHEET

PU-DA33/4-N*-L1/**options PRODUCT 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 in ³ (256cc)
Max Flow	2,127 in ³ /min (35 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	33 : 1
Air Consumption	120 scfm (3,400 NI/min)

SEAL OPTIONS (N*)

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

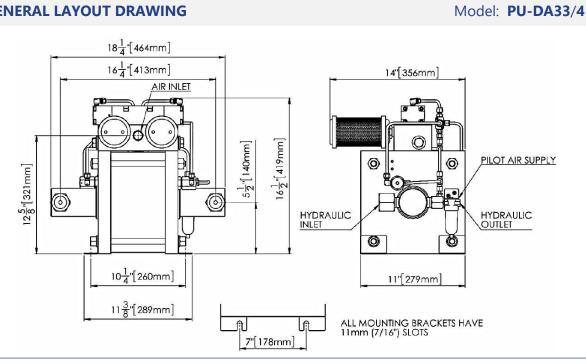
CONNECTIONS

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 (94/9/EC) II 2GD c T5
/ F	Panel mount digital stroke counter (non ATEX)
/ G	Panel mount pneumatic stroke counter

GENERAL LAYOUT DRAWING









Pag. 3 of 3

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)

DA33 - Ratio 33:1 **FLOW CURVE**

