


TECHNICAL DATA SHEET

PRODUCT	PU-DA186/4-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	18,670psi (1,288bar)
Output Per Cycle	3.0 in ³ (49cc)
Max Flow	458 in ³ /min (7.5 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	186 : 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
C	Chemraz (FFKM) Main Seal and Check Valve Seals

CONSTRUCTION

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

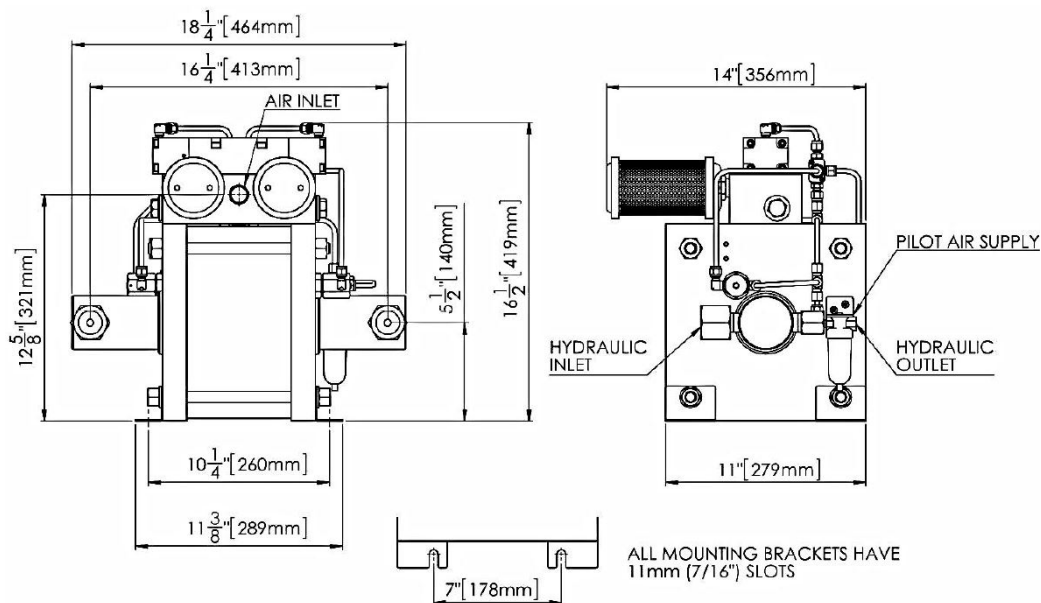
CONNECTIONS

Hydraulic Inlet	1/2" NPT(F)
Hydraulic Outlet	3/8" MP(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-DA186/4



HYDRAULIC PRESSURE STATIC / STALL CONDITIONS

AIR PRESSURE	HYDRAULIC PRESSURE
20psi (1.4bar)	3,730psi (257bar)
40psi (2.8bar)	7,470psi (515bar)
60psi (4bar)	11,200psi (772bar)
80psi (5.5bar)	14,935psi (1,030bar)
100psi (7bar)	18,670psi (1,288bar)

FLOW CURVE DA186 - Ratio 186:1

