



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

# **TECHNICAL DATA SHEET**

**HPU-DA33/4.1-N\*-L\*\*/**options **PRODUCT SERIES HPU-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 in <sup>3</sup> /min (35 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	33 : 1
Air Consumption	120 scfm (3,400 NI/min)
Tank Capacity	5 Gallons (23 litres)

## **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







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Frame and Tank	Stainless Steel
Air Motor	Anodised Aluminium / Nitrile (Buna-N) Seals
Hydraulic Cylinder	Aluminium Bronze
Piston	Stainless Steel + Corrosion Resistant Chrome Finish
Outlet Port	Stainless Steel
L1** (standard)	Brass / Copper Hydraulic Inlet, Air Inlet and Plated Steel Silencer
L2** (optional)	Stainless Steel Hydraulic Inlet, Air Inlet and Silencer

## **CONNECTIONS**

Hydraulic Outlet	1/2" NPT(F)
Air Inlet	3/4" BSPP(F)
Net Weight	90kg (198lb)

## **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
/ I (over all dimension varies)	Isolation valve
/ M	Mild steel painted frame (Painted Blue) + Stainless steel tank (if applicable to the unit)
/ O (over all dimension varies)	Single pen chart recorder complete with recorder isolation valve
/ Q (over all dimension varies)	No tank-direct fluid inlet via Y type stainless steel strainer
/ R	Relief valve
/ T (over all dimension varies)	Tank bypass
/ V	No tank-direct hydraulic inlet via Y type brass strainer
/ W	Fitted with wheels
/ X	Gauge protection guard

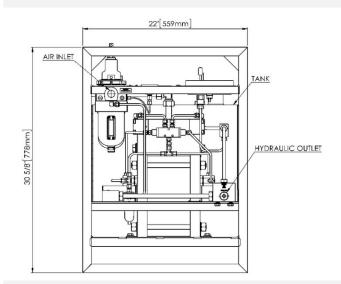


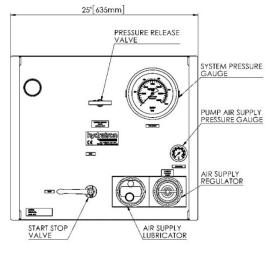


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#### **GENERAL LAYOUT DRAWING**

## Model: HPU-DA33/4.1





## **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

