


TECHNICAL DATA SHEET

PRODUCT	HPU-LW-DHDA33/4.1-N*-L**/options	
SERIES	HPU-LW-DHDA Double Airhead Double Acting Air operated, high flow, double headed-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	6,728psi (464bar)
Output Per Cycle	15.6 in ³ (256cc)
Max Flow	1,934 in ³ /min (31 litre/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	66 : 1
Air Consumption	200 scfm (5,664 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

Frame	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

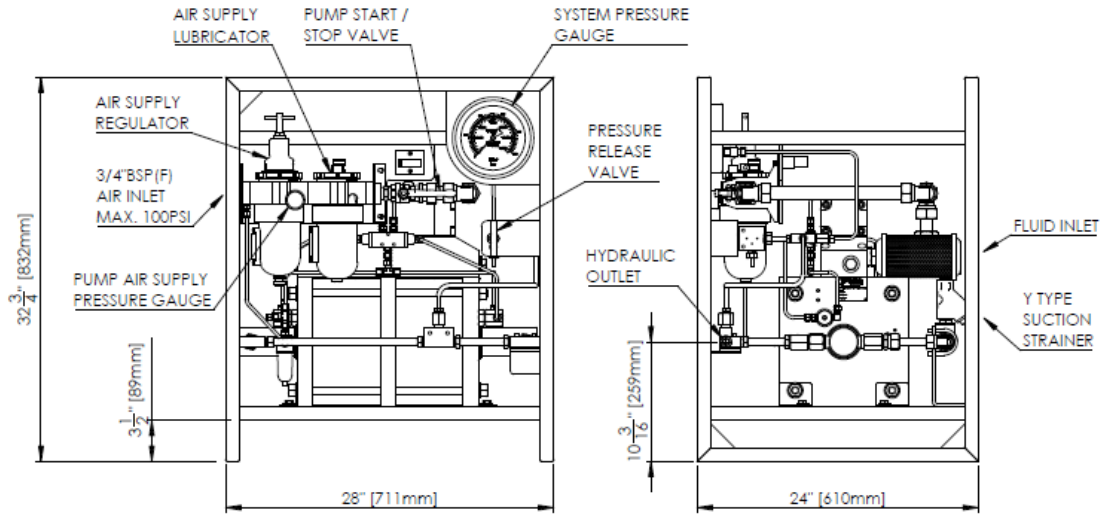
Hydraulic Inlet	1" BSP(F)
Hydraulic Outlet	1/2" NPT(F)
Air Inlet	3/4" BSPP(F)
Net Weight	100kg (220lb) – approx.

COMMON OPTIONS (BUT NOT LIMITED TO)

/ A	ATEX (94/9/EC) II 2GD c T5
/ G	Panel mount pneumatic stroke counter
/ R	Relief valve

GENERAL LAYOUT DRAWING

Model: **HPU-LW-DHDA33/4.1**



HYDRAULIC PRESSURE STATIC / STALL CONDITIONS

AIR PRESSURE	HYDRAULIC PRESSURE
20psi (1.4bar)	1,346psi (46bar)
40psi (2.8bar)	2,692psi (186bar)
60psi (4bar)	4,036psi (278bar)
80psi (5.5bar)	5,382psi (371bar)
100psi (7bar)	6,728psi (464bar)

FLOW CURVE

DHDA33 – Ratio 66:1

