

DATA SHEET – HPU004

HYDRAULIC POWER UNIT

Overview

Pressure Dynamics HPU004 is a versatile, high flow air driven pump unit with a secondary higher-pressure function.

Fitted with a large tank, filtration and suitable for most fluids this HPU is suitable for a wide variety of applications.

Featuring a 16-AM-FRV-13 38Nm @ 1600rpm pneumatic motor. V2010-Fs11s3s double vane pump with manual control valve. Includes return and offline filtration. Air supply 3/4"BSPP and Minsup (7bar). Skid mount unit.

Build Specification

Gross Weight	332kg
Dimensions	L:1.20m, W:0.71m, H:.79m
Air Supply	3/4"BSPP and Minsup (7 bar)

Component Information

Motor

- 16-AM-FRV-13 38Nm @ 1600rpm pneumatic motor

Pump

- V2010-Fs11s3s double vane pump
- Manual control valve

Filtration

- Return and offline filtration



Operating Specifications

Fluid Types	Mineral Oil
Tank Data	Stainless Steel 100L
Pump 1 Pressure	Low Pressure: 15bar
Pump 2 Pressure	High Pressure: 175bar
Pump 1 Flow	52 L / min
Pump 2 Flow	11 L / min

ABOUT PRESSURE DYNAMICS

Pressure Dynamics is an engineering and services contractor specialising in hydraulic and lifting solutions.

Our team of highly skilled project managers, engineers and technicians are committed to collaborating with our clients in providing innovative, quality-assured services and products that deliver superior function, reliability and safety.

When we deliver, we focus on:



RELIABILITY

Optimising equipment and system performance - to maximise your ROI.



PRODUCTIVITY

Maximising operational reliability of assets and equipment safely and cost-effectively.



INNOVATIVE SOLUTIONS

Developing creative, fit-for-purpose solutions to meet our client's true needs and objectives.



RISK MANAGEMENT

Delivering and maintaining quality, cost-effective and safe equipment and assets while mitigating risk.



MUTUAL SUSTAINABILITY

Delivering skill, knowledge and understanding through our documentation, user-intuitive products and training services.

Market sectors we operate in:



Oil & Gas



Mining



Marine



Defence



Infrastructure



Power & Utilities

Our location network



Abu Dhabi, UAE
Ghana, W Africa

