

# DATA SHEET – HPU003

## HYDRAULIC POWER UNIT

### Overview

Pressure Dynamics HPU003 is a heavy-duty high flow and high-pressure hydraulic power unit.

With a large tank, duplex filtration, full directional control and lifting frame. This unit is perfect for any mineral oil system functioning or flushing scope regardless of location.

Lifting frame includes 4 lifting pad eyes.

### Build Specification

<b>Gross Weight</b>	<b>1936kg</b>
<b>Dimensions</b>	L:2.30m, W:1.75m, H:1.60m
<b>Typical Design Life</b>	20 years
<b>Environmental Cert.</b>	Typ. -5°C to 45°C, Typ. DNV
<b>Frame / Skid construction</b>	Material: Steel plate AS3678 grade 250/350. Welding: AS1554.1 CAT SP
<b>Hydraulic Tube Work</b>	Typ. ASME B31.3
<b>Materials Certification</b>	EN 10204 3.1



### Operating Specifications

<b>Fluid Types</b>	Mineral Oil
<b>Power Input</b>	Electrical, 3m 65A 500V 5Pin
<b>Pump Pressure</b>	200 bar
<b>Pump Flow</b>	0 -140 L / min
<b>Tank</b>	Carbon Steel 1,500L Tank breather
<b>Motor</b>	30kW 415V 4 Pole Electric
<b>Filtration</b>	Return, pressure, and offline

# 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

