



SPECIFICATIONS

Output Capacity	Variable 20 to 56 lpm
Working Pressure	155 Bar
Circuit Type	Open Centre
Connection	3/4 Body Flat Face Couplers
Hydraulic Capacity	100 Litres System (ISO 32)
Motor Type	18.5Kw 50Hz 380-415Vac 3-Phase 22.0Kw 60Hz 440-480Vac 3-Phase
Motor Rotation	Clockwise (from fan end)
Starting System	Star-Delta
Connection	63A 3P+N+E
Weight	550 Kg (commissioned with oil)
Dimensions	L 111 x W 75 x H 132cm

Features and Benefits

The EPP56 Hydraulic Power Unit is a versatile compact unit which meets the requirements of the most demanding marine and offshore applications. With a variable hydraulic flow rate of 20 to 56 litres per minute, it is ideally suited to run the complete range of Stanley hand held hydraulic tools and other equipment.

Variable hydraulic flow is achieved by the use of a pressure compensated flow control valve. Flow selection is simply achieved by the rotation of the flow controller knob whilst observing the reading of the integral hydraulic flow meter.

The hydraulic pressure relief valve is set with a maximum pressure of 190 bar which ensure a good working pressure of 155 bar at 56 litres per minute.

Hydraulic connection is made through industry standard 3/4 body flat face quick connect couplers. Other hydraulic coupling arrangements can be offered on request.

This unit is powered by a very efficient IE3 18.5Kw 4-pole electric motor running at 1460rpm/50Hz. The electric motor can be run from a 50 or 60Hz 3-phase supply with hydraulic pump size being altered (matched) to ensure correct flow is delivered. Start-up is controlled by a Star-Delta starter unit which is fitted with a 5-pin 63A plug for easy connection to an extension. The starter unit includes a phase-inverter sensor relay feature which prevents the motor from starting up in the wrong rotation. The electric motor is IP56 and the starter control panel is IP65 protection rated.

The hydraulic circuit temperature is controlled by a 10Kw air blast / oil cooler transfer system, powered by an electrically operated thermostatically controlled fan to maintain a constant level of cooling.

The hydraulic oil is also circulated through a high-pressure in-line filter thus ensuring an efficient and reliable hydraulic system without increased back pressure.

This filter system incorporates a visual indicator to give an early warning when the filter cartridge needs changing.

The unit is built on a strong rectangular section chassis and enclosed in a box section steel frame for maximum protection. Facility is also provided for manoeuvring the unit with a fork lift truck via two fork pockets at the base of the chassis plus there are lifting eye pads on the top of the frame.

The fabricated frame assembly is protected with a powder coat finish although other paint schemes can be offered on request.

The compact, low-noise and lightweight features of this unit makes it the ideal choice for supporting all your marine and offshore requirements.

This power pack has been designed to accommodate hydraulic hose runs of up to 200m long. Hoses can be supplied if required.

ORDERING INFORMATION

MODEL/PART No.	DESCRIPTION
EPP56-1VE	Variable Flow Hydraulic Power Unit Single Circuit 20 to 56 lpm Hydraulic Flow Meter 18.5 Kw 3-Phase Motor, Star-Delta Starter Unit

ACCESSORIES

PART No.	DESCRIPTION
HS020M1012B2-FF	Hydraulic Hose Assy Set 20m Long 5/8P R2 : 3/4R R1 : 3/4" & 1/2" FF Hyd Couplers
HS030M1012B2-FF	Hydraulic Hose Assy Set 30m Long 5/8P R2 : 3/4R R1 : 3/4" & 1/2" FF Hyd Couplers
HS040M1012B2-FF	Hydraulic Hose Assy Set 40m Long 5/8P R2 : 3/4R R1 : 3/4" & 1/2" FF Hyd Couplers
HS050M1012B2-FF	Hydraulic Hose Assy Set 50m Long 5/8P R2 : 3/4R R1 : 3/4" & 1/2" FF Hyd Couplers
HS075M1216B2-FF	Hydraulic Hose Assy Set 75m Long 3/4P R2 : 1R R1 : 3/4" & 1/2" FF Hyd Couplers
HS100M1216B2-FF	Hydraulic Hose Assy Set 100m Long 3/4P R2 : 1R R1 : 3/4" & 1/2" FF Hyd Couplers
HS120M1216B2-FF	Hydraulic Hose Assy Set 120m Long 3/4P R2 : 1R R1 : 3/4" & 1/2" FF Hyd Couplers

* All hydraulic hose sets are commissioned with ISO32 Hydraulic Oil

WARRANTY

E.C. Hopkins Limited and their associated parts are warranted against defects in materials and workmanship for a period of twelve months from the date of purchase. E.C. Hopkins Limited reserves the right to repair or replace only those parts which prove to have been defective at the time of purchase. This warranty becomes void if maximum flow and pressure ratings are exceeded.

SERVICE ITEMS / TOOLS

PART No.	DESCRIPTION
N00154	Hydraulic Filter Kit

TEST EQUIPMENT

PART No.	DESCRIPTION
04182	Flow & Pressure Tester



All E.C. Hopkins tools, parts, accessories and allied equipment are subject to design improvements, specification and price changes at any time without notice and with no obligation to units already sold. Weights, dimensions and operating specifications listed herein are subject to change without notice. Where specifications are critical to your applications, please consult E.C. Hopkins Limited.