MOBILE ENGINE DRIVEN HYDRAULIC POWER UNITS ON WHEELS • SECTION NP2

FLOWFIT MOBILE ENGINE DRIVEN HYDRAULIC POWER UNITS ON WHEELS







FLOWFIT MOBILE ENGINE DRIVEN **HYDRAULIC POWER UNITS**

The Flowfit Range of Petrol Engine Driven Hydraulic Power Units on wheels is based on the Honda GX160 5.5 HP, Honda GX270 9.5 HP and the Honda GX390 13 HP range of engines we do have larger Honda sizes up to 25HP GX630 upon request.

Commercial Self Contained Portable Hydraulic Power Units are designed for heavy duty farm, marine and other commercial applications. Our HPU's replace farm tractor, truck and other hydraulic power supplies. Use with grain augers, mixers, lifts and other hydraulic applications with pressure available up to 200 bar (2900 psi). We offer a variety of petrol engines from the Honda GX Series and for those on a budget, Loncin engines are available. Alternatively, Hatz, Changfa or Lombardini commercial diesel engines can be specified, along with electric start/stop on all engine ranges upon request. Please contact our technical support staff to discuss all of your specific requirements.



SPECIFICATION

Max Pressure: 200 bar (2900 psi).

Relief valve Mounted on the front of the Gear Pump (pre-set to 150 bar).

Gear Pump flows available up to 25.5 I/min.

Flowfit Pressure Gauge fitted 0-280 bar (0-4000psi).

Hydraulic Tank/Reservoir Capacity 50 Litres.

Rugged Construction.

Collapsible handle assembly for ease of transportation. Suction strainer fitted 125 micron, max flow 30 l/min accessible via bolt down hatch on top of tank. Return line filter tank mounted 10 micron cellulose filter element, c/w visual clogging indicator and diffuser and max pressure 8 bar / 116 psi. Max flow to return through the return line filter 45 l/min. Can be uprated to 65 l/min returnable flow with 125 micron filter element fitted. We recommend regular checking of visual indicator to ensure filter element does not need changing.

Replacement return line filter element is available. We recommend this is changed after the first 20 hours of use to ensure maximum efficiency and cleanliness of the hydraulic powerunit.

Filling Point - Via a visual level indicator c/w with float system. Filler is removeable and allows a constant indication of the hydraulic oil level inside the tank.

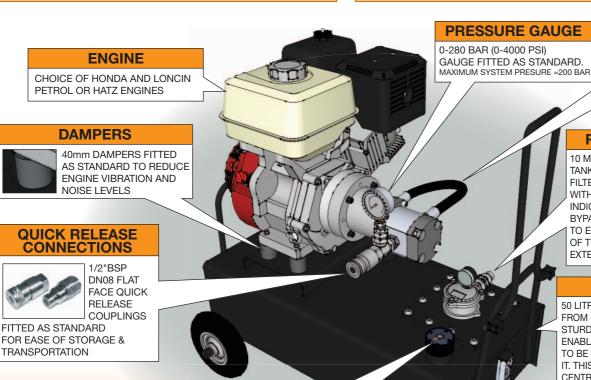
Max Temperature of Oil 80°C.

Flat face quick release couplings 2 off complete fitted on pump outlet and tank top return filter ready to connect your 1/2" bsp male hose connection or male adaptor.

Power Unit fitted with top quality Gates hydraulic hose

Pneumatic tyre wheels Kit included for ease of transportation. Full 1 Year Warranty (2 year warranty standard on Honda engines)

Made in England.



HOSE

TOP QUALITY **GATES FLEXIBLE** HOSE USED THROUGHOUT

RETURN FILTER

10 MICRON TANK RETURN FILTER FITTED WITH VISUAL INDICATOR AND BYPASS VALVE



TO ENSURE CLEANLINESS OF THE HYDRAULIC OIL AND EXTENDING OPERATING LIFE

TANK

50 LITRE TANK MANUFACTURED FROM 4mm SHEET STEEL FOR STURDY CONSTRUCTION. **ENABLING OTHER COMPONENTS** TO BE MOUNED DIRECTLY ON TO IT. THIS DESIGN PROVIDES A LOW CENTRE OF GRAVITY FOR ADDED STABILTY ON ROUGH TERRAIN.

LEVEL INDICATOR



SECONDARY LEVEL INDICATOR MOUNTED AT THE END OF TANK FOR ADDED PROTECTION

FILLING POINT AND LEVEL READING



VISUAL LEVEL INDICATOR FITTED TO FILLER PORT.

OPERATES USING A FLOAT AND ARCHIMEDES SCREW

FLOWFIT MOBILE ENGINE DRIVEN HYDRAULIC POWER UNITS





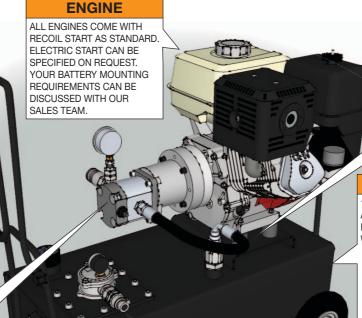
FOLDING HANDLE FOR COMPACT STORAGE



GEAR PUMP

PUMP MOUNTED RELIEF VALVE. REDUCING THE NEED FOR COMPLEX PIPEWORK





HOSE

TOP QUALITY
GATES FLEXIBLE
HOSE USED
THROUGHOUT

SUCTION STRAINER

125 MICRON SUCTION STRAINER FITTED AS STANDARD TO ASIST IN KEEPING THE HYDRAULIC SYSTEM CLEAN. REDUCING WEAR AND MAINTENANCE COSTS.



RETURN FILTER AND MANIFOLD

RETURN FILTER FITTED WITH 10 MICRON FIBREGLASS ELEMENT AND FILTER GAUGE TO INICATE WHEN REPLACEMENT IS DUE. MOUNTED DIRECTLY ONTO THE ACCESS MANIFOLD FOR EASE OF MAINTENANCE. MANIFOLD ALLOWS ACCESS TO THE INTERIOR OF THE TANK.



FLOWFIT HONDA PETROL POWER UNIT (RECOIL START)

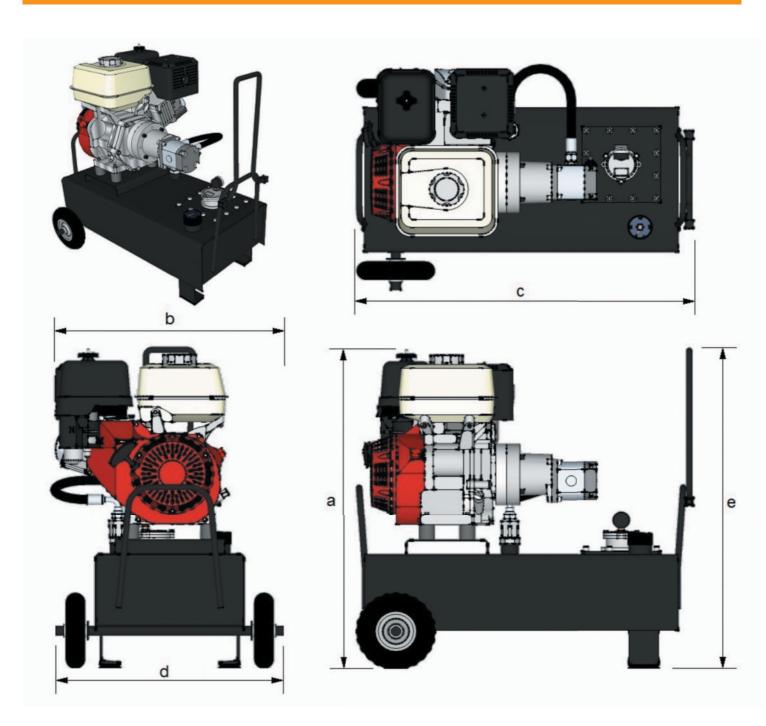
PRODUCT REFERENCE	DESCRIPTION	RRP
ZZ003799	GX390FQ 13HP HONDA PETROL ENGINE PORTABLE UNIT 25.5L/MIN 210BAR RECOIL START	£3250.91
ZZ003801	GX270FQ 9.5HP HONDA PETROL ENGINE PORTABLE UNIT 19.5L/MIN 200BAR RECOIL START	£2900.86
ZZ003802	GX160FQ 5.5HP HONDA PETROL ENGINE PORTABLE UNIT 10.5L/MIN 200BAR RECOIL START	£2226.00

FLOWFIT LONCIN PETROL POWER UNIT (RECOIL START)

PRODUCT REFERENCE	DESCRIPTION	RRP
ZZ003800	G390F-P 13HP LONCIN PETROL ENGINE PORTABLE UNIT 25.5L/MIN 210BAR RECOIL START	£2528.10
ZZ003803	G270F-P 9HP LONCIN PETROL ENGINE PORTABLE UNIT 19.5L/MIN 200BAR RECOIL START	£2206.92
ZZ003804	G160F-P 5.5HP LONCIN PETROL ENGINE PORTABLE UNIT 10.5L/MIN 200BAR RECOIL START	£1861.36



FLOWFIT MOBILE ENGINE DRIVEN HYDRAULIC POWER UNITS



PRODUCT	ENGINE	PUMP	FLOW RATE	PRESSURE		WEIGHT	DIMENSIONS						
REFERENCE			FLOW RATE	BAR	PSI	(DRY)	Α	В	С	D	Е		
ZZ003799	GX390FQ	8CC	25.5L/MIN	210	3045	75KG	821mm	587mm	860mm				
ZZ003801	GX270FQ	6.5CC	19.5L/MIN	200	2900	69KG	788mm	563mm					
ZZ003802	GX160FQ	3.2CC	10.5L/MIN	200	2900	60KG	713mm	529mm		580mm	845mm		
ZZ003800	G390F	8CC	25.5L/MIN	210	3045	75KG	818mm	584mm		900IIIII 300I	200111111	043111111	
ZZ003803	G270F	6.5CC	19.5L/MIN	200	2900	69KG	788mm	570mm					
ZZ003804	G160F	3.2CC	10.5L/MIN	200	2900	60KG	793mm	530mm					

FLOWFIT MOBILE ENGINE DRIVEN HYDRAULIC POWER UNITS

PRESSURE GAUGE

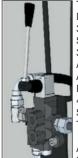


HANDLE ASSEMBLY

FOLDING HANDLE FOR COMPACT STORAGE



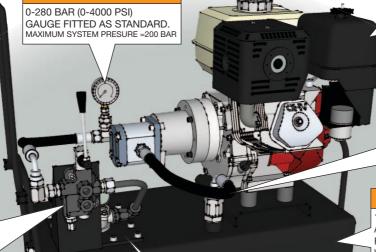
LEVER VALVE WITH 3/8" 'A' & 'B' PORTS



THE HDM140 DOUBLE ACTING 3 POSITION SPOOL VALVE IS 3/8"BSP PORTED AND PROVIDE A MAXIMUM FLOW RATE OF 40 L/MIN WITH SPRING RETURN TO NEUTRAL.

A RELIEF VALVE $^{
m I}$ is fitted to the

HDM140 AS STANDARD AND IS PRESET TO 150 BAR, DIFFERENT SPOOL AND POSITIONER CONFIGURATIONS CAN BE SPECIFIED UPON REQUEST.



ENGINE

ALL ENGINES COME WITH RECOIL START AS STANDARD. ELECTRIC START CAN BE SPECIFIED ON REQUEST. YOUR BATTERY MOUNTING REQUIREMENTS CAN BE DISCUSSED WITH OUR SALES TEAM.

HOSE

TOP QUALITY GATES FLEXIBLE HOSE USED **THROUGHOUT**

SUCTION STRAINER

125 MICRON SUCTION STRAINER FITTED AS STANDARD TO ASIST IN KEEPING THE HYDRAULIC SYSTEM CLEAN. REDUCING WEAR AND MAINTENANCE COSTS



RETURN FILTER AND MANIFOLD

RETURN FILTER FITTED WITH 10 MICRON FIBREGLASS ELEMENT AND FILTER GAUGE TO INICATE WHEN REPLACEMENT IS DUE. MOUNTED DIRECTLY ONTO THE ACCESS MANIFOLD FOR EASE OF MAINTENANCE. MANIFOLD ALLOWS ACCESS TO THE INTERIOR OF THE TANK.



ENGINE

CHOICE OF HONDA AND LONGIN PETROL OR HATZ ENGINES

DAMPERS



40mm DAMPERS FITTED AS STANDARD TO REDUCE **ENGINE VIBRATION AND NOISE LEVELS**

WHEEL ASSEMBLY



200mm WHEEL KIT WITH **PNEUMATIC** TYRES. FITTED



FILLING POINT AND LEVEL READING



VISUAL LEVEL INDICATOR FITTED TO FILLER PORT.

OPERATES USING A FLOAT AND ARCHIMEDES **SCRFW**

HOSE

TOP QUALITY GATES FLEXIBLE HOSE USED **THROUGHOUT**

TANK

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LEVEL INDICATOR



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FLOWFIT MOBILE ENGINE DRIVEN HYDRAULIC POWER UNITS

FLOWFIT HONDA PETROL POWER UNIT (RECOIL START) with LEVER VALVE

PRODUCT REFERENCE	DESCRIPTION	RRP
ZZ004422	GX390FQ 13HP HONDA PETROL ENGINE PORTABLE UNIT 25.5L/MIN 210BAR RECOIL START (WITH LEVER VALVE)	£3524.50
ZZ004423	GX270FQ 9.5HP HONDA PETROL ENGINE PORTABLE UNIT 19.5L/MIN 200BAR RECOIL START (WITH LEVER VALVE)	£3148.20
ZZ004424	GX160FQ 5.5HP HONDA PETROL ENGINE PORTABLE UNIT 10.5L/MIN 200BAR RECOIL START (WITH LEVER VALVE)	£2463.44

FLOWFIT LONCIN PETROL POWER UNIT (RECOIL START) with LEVER VALVE

PRODUCT REFERENCE	DESCRIPTION	RRP
ZZ004425	G390F-P 13HP LONCIN PETROL ENGINE PORTABLE UNIT 25.5L/MIN 210BAR RECOIL START (WITH LEVER VALVE)	£2779.32
ZZ004426	G270F-P 9HP LONCIN PETROL ENGINE PORTABLE UNIT 19.5L/MIN 200BAR RECOIL START (WITH LEVER VALVE)	£2448.60
ZZ004427	G160F-P 5.5HP LONCIN PETROL ENGINE PORTABLE UNIT 10.5L/MIN 200BAR RECOIL START (WITH LEVER VALVE)	£2012.94