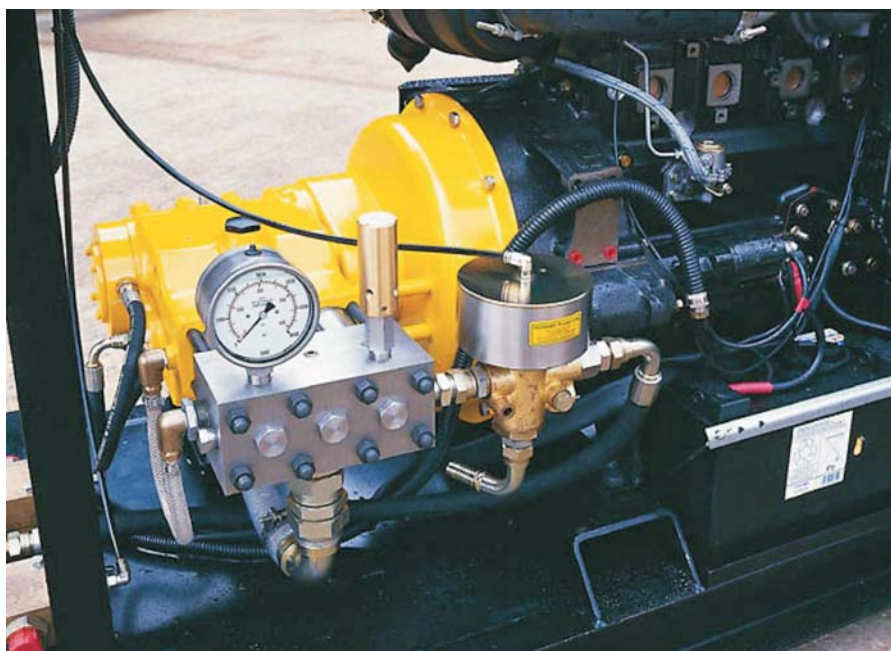




HPS650

HIGH PRESSURE TRIPLEX PUMP



Pump Head Type	Plungers (High Pressure)						Pistons (High Volume)	
	20	22	25	28	30	35	40	45
Diameter - mm	20	22	25	28	30	35	40	45
Max Power - kW	48						48	
Pump Speed - rpm	750						750	
Flow Rate - l/min	31.8	38.5	49.7	62.3	71.6	97.4	127	161
Pressure - bar (30 kW)	510	420	325	260	225	165	130	100
Pressure - bar (37 kW)	628	519	402	320	279	205	157	124
Pressure - bar (45 kW)	760	630	490	390	340	250	190	150
Pressure - bar (48 kW)	815	673	522	416	362	266	204	161

Flow Rates indicated are swept volume at maximum speed

The versatile HPS650 model offers a wide range of flows and pressures at a competitive price.

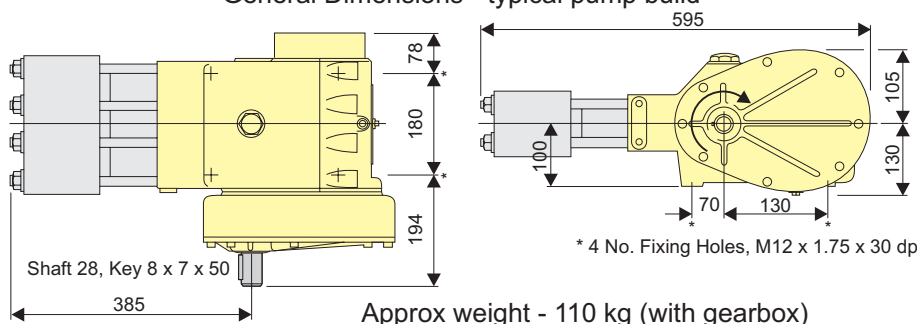
The close coupled, gear driven power end has splash lubrication and oil cooling. Standard adaptor housings are available enabling the pump to be flange mounted to a diesel engine flywheel housing or electric motor ensuring extremely compact and

perfectly aligned installations.

For maximum hydraulic efficiency, the in-line valve pump head arrangement is designed to minimise the unswept volume.

This improved design is capable of high pressure to high volume with outstanding seal, plunger and valve life.

General Dimensions - typical pump build



Features:

- * Robust, rugged and reliable
- * Versatile (interchangeable fluid heads and plunger kits)
- * Stainless steel fluid heads (431 standard or 316)
- * 48 kW (65 hp) input
- * Hardened, alloy steel crankshaft with heavy duty roller and steel backed white metal main bearings, supported between each connecting rod
- * SG iron crankcase with splash lubrication and oil cooling
- * Forged connecting rods with low friction, shell type big end bearings and lead bronze lined small end bushes

Build Options:

- * Choice of gear ratio to suit electric motor or diesel engine drive
- * Standard adaptor housings (SAE 3, 4 or 5) for flange mounting the pump to a diesel engine flywheel housing or electric motor
- * Piston kits for high volume applications
- * Safety relief valves
- * Unloading valves
- * Selector/Diverter valves (manual or actuated)
- * Complete unit build or bare shaft pump only



P U M P S L T D

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In line with the Company's policy of research and development, alterations in design, dimensions and appearance are incorporated from time to time in order to ensure that important developments are included at the earliest opportunity. The Company, therefore, reserves the right to alter design, dimensions etc without notice.