



Built Tough

HIGH HEAD PR

















► HEAVY DUTY

Automatic self-priming single stage end suction pump

SOLIDS HANDLING

Large solids capacity while maintaining hydraulic efficiencies

CORROSION RESISTANT

Stainless steel 316 (CF8M) internals as standard

DESIGN DETAILS

Auto self priming, centrifugal single stage, end suction, 2 vane semi open impeller

PRODUCT SPECIFICATIONS	
Suction Flange	200mm [8"]
Delivery Flange	150mm [6"]
Solids Handling	65mm [2.55"]
Maximum Head	140m [459ft]
Maximum Flow	185L/sec [2,932 USgal/min]
Engine Type	Perkins 1106D-E70TA 186kW
Engine Adaptor	SAE #1
Shaft Diameter*	75mm [2.95"]
Fuel Rate @ BEP 2,000rpm**	40.7L/hr [0.18 USgal/min]
Fuel Rate @ BEP 1,600rpm**	24.2L/hr [0.11 USgal/min]
Fuel Tank Capacity	2,100L [554 USgal]

^{*} The nominated shaft diameter is the critical working diameter of the shaft, used for calculation of the shaft stiffness ratio L3/D4.

PREMIUM RANGE (PR) INCLUSIONS

- Structural Steel base.
- Galvanised steel, two-point lifting frame complete with engine canopy.
- Manual diesel fuel fill (lockable).
- Pump and engine control panel with emergency stop as standard.
- Heavy duty battery with battery box enclosure.
- Vacuum (suction inlet) and Pressure (discharge outlet) gauges.
- Pump operating range sign for optimum pump life and reliability.
- Galvanised steel sled, complete with tyne pockets and tie down points for transportation.
- Safety inclusions such as heat shields, work lights, lockable battery isolator and fire extinguisher.
- Rear discharge pipe work, complete with geared butterfly valve.

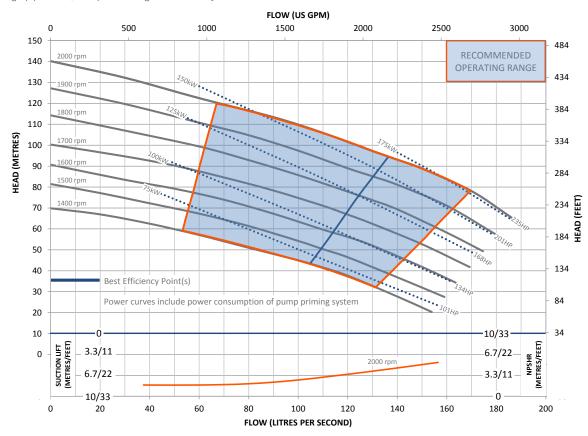
MATERIALS OF CONSTRUCTION						
PART	MATERIAL	MATERIAL STANDARDS				
	WATERIAL	GRADE	AS	GRADE	ASTM	
Tee Piece	SG Iron	400/12	1831	65-45-12	A536	
Front Adaptor Plate	SG Iron	400/12	1831	65-45-12	A536	
Pump Casing (Volute)	SG Iron	400/12	1831	65-45-12	A536	
Front Wear Plate	Stainless	316/H6B	2074	CF8M	A351	
Impeller	Stainless	316/H6B	2074	CF8M	A351	
Rear Wear Plate	Stainless	316/H6B	2074	CF8M	A351	
Rear Adaptor Plate	SG Iron	400/12	1831	65-45-12	A536	
Pump Shaft	Stainless	431	2074	98b-431	A276	
Bearing Bracket	SG Iron	400/12	1831	65-45-12	A536	
Bearing Covers	SG Iron	400/12	1831	65-45-12	A536	
Mechanical Seal [†]	Multi-spring balanced cartridge type					

[†] Multi-spring balanced double hard faced cartridge type mechanical seal complete with oil lubrication and pumping ring. Seal faces are silicon carbide vs. tungsten carbide.

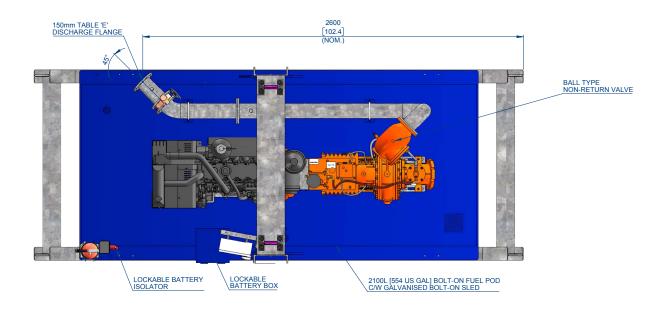
OPTIONAL EXTRAS

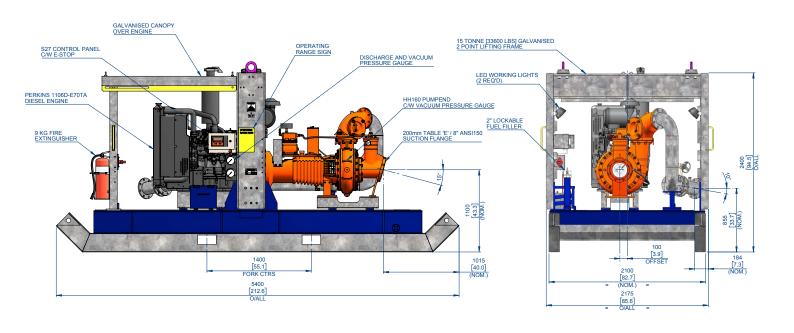
Please contact us to discuss these options:

- Additional operational, mobility and safety extras such as: suction and discharge couplings, strainers, double skin fuel tanks and trailers. These can all be selected and fitted to our Premium Range (PR) pump units.
- Our PR build configuration uses Perkins diesel engines, however, alternative engine brands are available upon request.
- Other pump materials of construction are also available upon request: full 316 stainless steel, CD4MCU, chromium steel, SAF 2205 and SAF 2507.



^{**} Based on standard engine brake specific fuel consumption.





DRY: 5,591kg [12,326 lb]

WET: 7,331kg [16,162 lb]