

► HEAVY DUTY

Mining & Quarries

Automatic self-priming single stage end suction pump

Construction & Civil

Sewage & Waste Water

SOLIDS HANDLING

Rental

Large solids capacity while maintaining hydraulic efficiencies

Industrial

Agriculture

CORROSION RESISTANT

Oil & Gas

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 [2.56"]
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 [10.75 USgal/hr]
Fuel Rate @ BEP 1,600rpm**	24.2L/hr [6.39 USgal/hr]
Fuel Tank Capacity	1,400L [370 USgal]

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

STANDARD RANGE (SR) INCLUSIONS

- Galvanised steel, two-point lifting frame.
- Manual diesel fuel fill (lockable).
- Pump and engine control panel with emergency stop as standard.
- Heavy duty battery, complete 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..

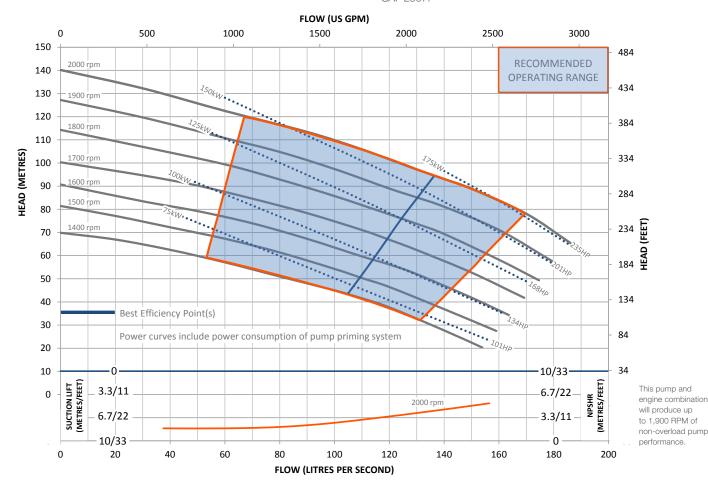
MATERIALS OF CONSTRUCTION						
PART	MATERIAL	MATERIAL STANDARDS				
	WATERIAL	GRADE	AS	GRADE	ASTM	
Tee Piece	SG Iron	400/12	1831	65-45-12	A536	
Front Adaptor Plate	SG Iron	400/12	1831	65-45-12	A536	
Pump Casing (Volute)	SG Iron	400/12	1831	65-45-12	A536	
Front Wear Plate	Stainless	316/H6B	2074	CF8M	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.

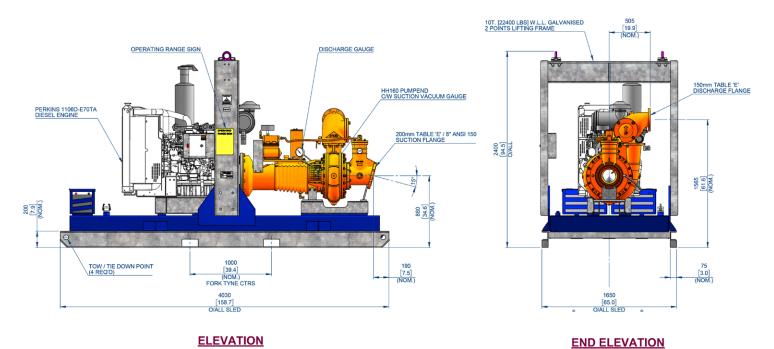
OPTIONAL EXTRAS

Please contact us to discuss these options:

- Additional operational, mobility and safety extras such as: suction and discharge couplings, strainers, battery isolators, heavy duty sleds and trailers. These can all be selected and fitted to our Standard Range (SR) pump units.
- Our SR 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.

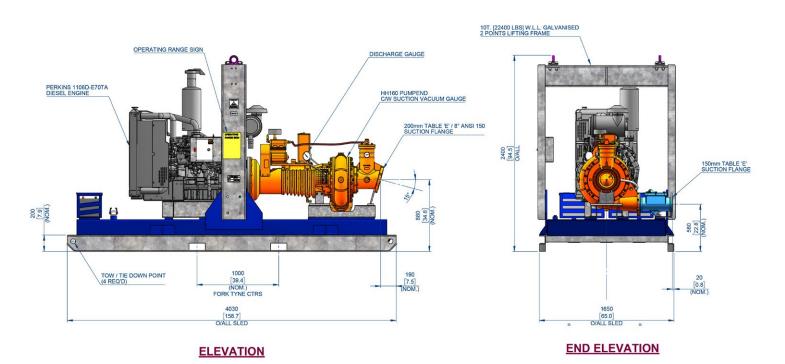


^{**} Based on standard engine brake specific fuel consumption.



TOP DISCHARGE

DRY: 3,633kg [8,010 lb] WET: 4,851kg [10,672 lb]



UNDERSLUNG

DRY: 3,559kg [7,845 lb] WET: 4,777kg [10,509 lb]

Note: Final weight and dimensions will depend on completed specifications and options, subject to manufacturing tolerances. All the information in this document is substantially correct at the time of creation and may be altered at the manufacturer's sole discretion. Any quotes and related material provided supersedes the contents hereof.