

PUMP SPECIFICATION SHEET

Sykes SW250-380-PR Perkins 1106D-E70TA 186kW



HEAVY DUTY

Automatic selfpriming 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 sir 3 vane semi open impeller	ngle stage, end suction,
Suction Flange	250mm / 10"
Delivery Flange	250mm / 10"
Solids Handling	100mm / 4"
Maximum Head	55m / 180ft
Maximum Flow	355L/sec / 5,627 USgal/min
Engine Type	Perkins 1106D-E70TA 186kW
Engine Adaptor	SAE #3
Shaft Diameter	50mm / 1.97"
Fuel Rate @ BEP 1,600rpm	31.1L/hr / 0.14 USgal/min *
Fuel Tank Capacity	900L / 237 USgal

MATERIALS OF					
CONSTRUCTION		AUSTRALIA		AMERICAS	
STANDARDS	MATERIAL	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 mechanical seal assembly with silicon carbide/silicon carbide mechanical seal				

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.

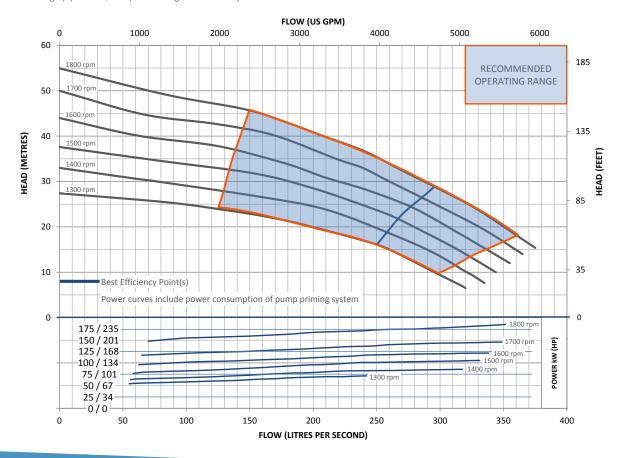
OPTIONAL EXTRAS

Please contact us to discuss these options:

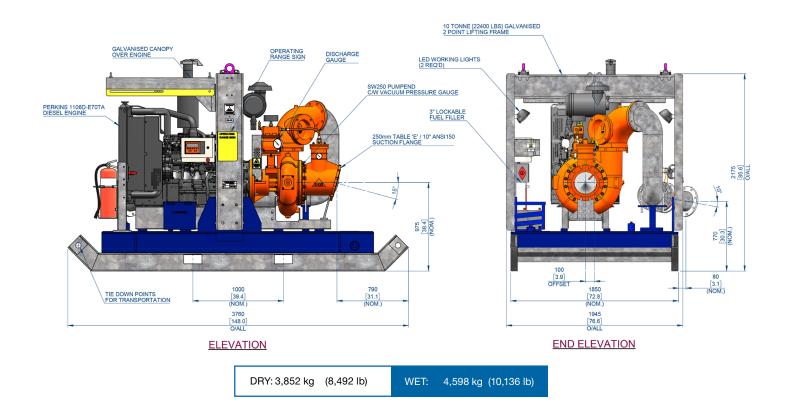
 Additional operational, mobility and safety extras such as: suction and discharge couplings, strainers, double skin fuel tanks and trailers. These can all be selected and fitted to our Premium Range (PR) pump units.

faces in self-contained oil reservoir.

- 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.



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