

#### PUMP SPECIFICATION SHEET

Sykes SW150-285-SR Perkins 1104D-44TA



# **SEWAGE & WASTE SR**

### **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.



Construction

& Civil



Sewage &











**Agriculture** Marine



DESIGN DETAILS	
Auto self priming, centrifugal si 2 vane semi open impeller	ngle stage, end suction,
Suction Flange	150mm / 6"
Delivery Flange	150mm / 6"
Solids Handling	100mm / 4"
Maximum Head	46m / 151ft
Maximum Flow	143L/sec / 2,267 USgal/min
Engine Type	Perkins 1104D-44TA
Engine Adaptor	SAE #4
Shaft Diameter	40mm / 1.57"
Fuel Rate @ BEP 2,000rpm	8.4L/hr / 0.04 USgal/min *
Fuel Rate @ BEP 1,600rpm	4.2L/hr / 0.02 USgal/min *
Fuel Tank Capacity	440L / 116 USgal

<b>MATERIALS OF</b>					
CONSTRUCTION		AUSTRALIA		AMERICAS	
STANDARDS	MATERIAL	GRADE	AS	GRADE	ASTM
Tee Piece	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
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				

#### STANDARD RANGE (SR) INCLUSIONS

- Galvanised steel, dual 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.

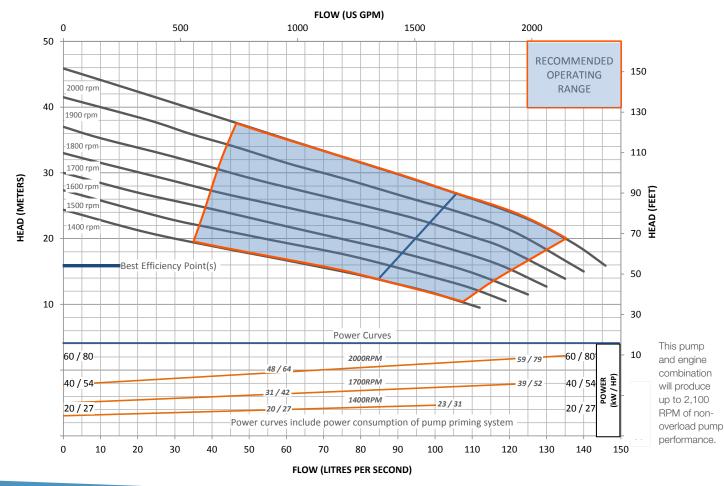
#### **OPTIONAL EXTRAS**

Please contact us to discuss these options:

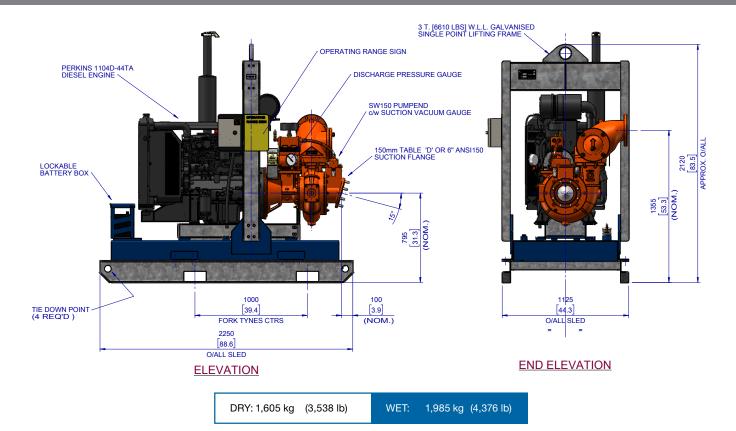
 Additional operational, mobility and safety extras such as: suction and discharge couplings, strainers, battery isolators, heavy duty sleds and trailers. These can all be selected and fitted to our Standard Range (SR) pump units.

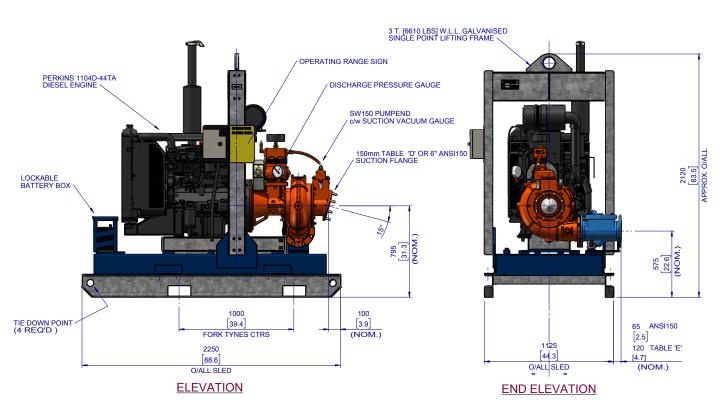
faces in self-contained oil reservoir.

- 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.



<sup>\*</sup> Based on standard engine brake specific fuel consumption.





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