

Built Tough

SEWAGE & WASTE AR

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.



Construction
& Civil



Sewage &
Waste Water



Quarries



Rental

DESIGN DETAILS

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

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	345L / 91 USgal

MATERIALS OF CONSTRUCTION

STANDARDS	MATERIAL	AUSTRALIA		AMERICAS	
		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 faces in self-contained oil reservoir.				

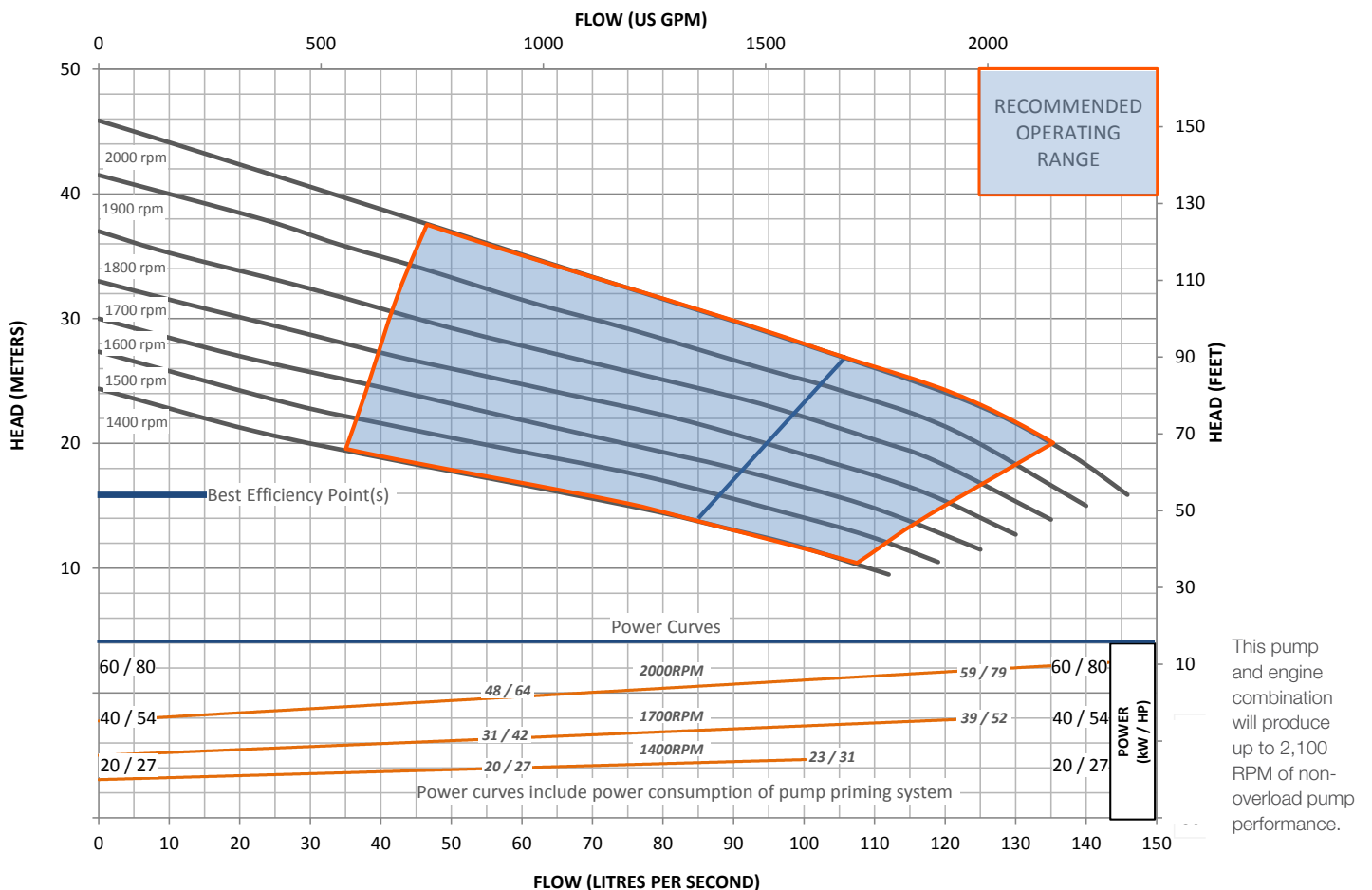
ACOUSTIC RANGE (AR) INCLUSIONS

- Acoustic canopy for quiet operation, lined with water-resistant and fire-retardant acoustic foam, and complete with an externally mounted emergency stop button.
- Manual diesel fuel fill (lockable).
- Pump and engine control panel with emergency stop as standard.
- Heavy duty battery.
- Remotely mounted Vacuum (suction inlet) and Pressure (discharge outlet) gauges.
- Pump operating range sign for optimum pump life and reliability.

OPTIONAL EXTRAS

Please contact us to discuss these options:

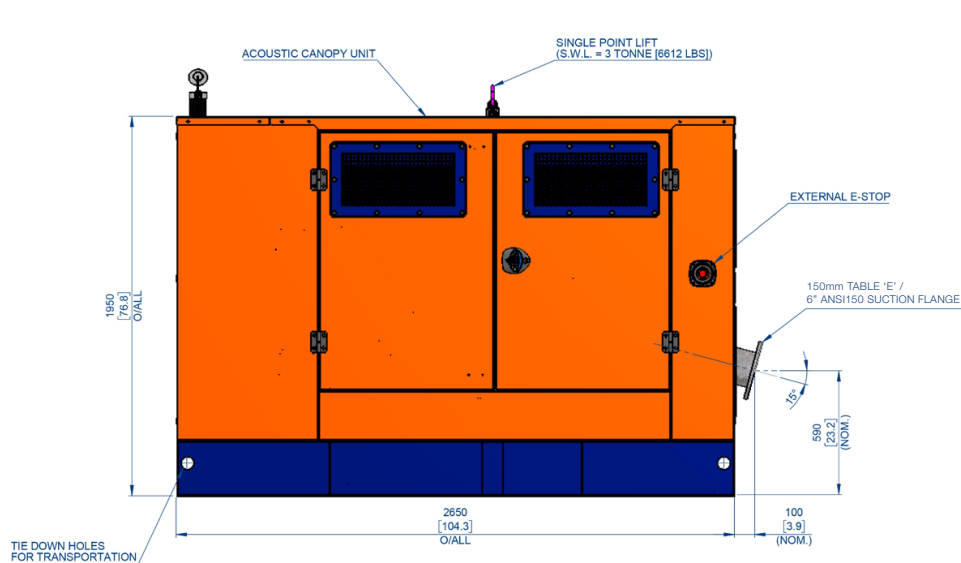
- Additional operational, mobility and safety extras such as: suction and discharge couplings, strainers, battery isolators, sleds and trailers. These can all be selected and fitted to our Acoustic Range (AR) pump units.
- Our AR build configuration uses Perkins diesel engines, however, alternative engine 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.



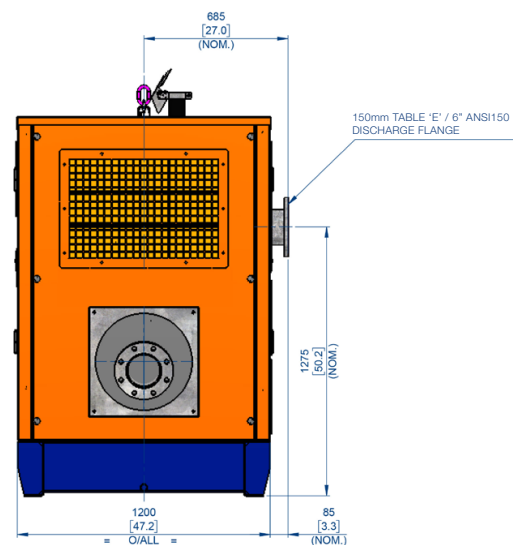
* Based on standard engine brake specific fuel consumption.

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.

TECHNICAL DATA



ELEVATION



END ELEVATION

DRY: 1,745 kg (3,847 lb)

WET: 2,036 kg (4,488 lb)

* Based on standard engine brake specific fuel consumption.

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