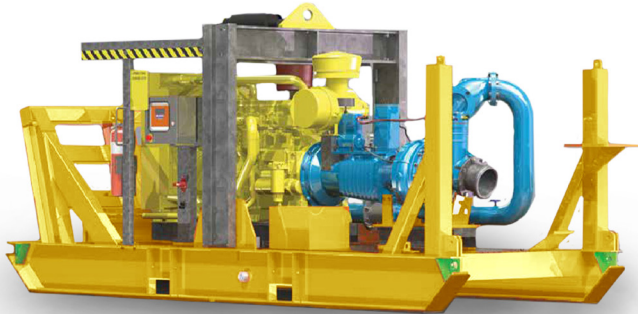


DIESEL DRIVE AUTO PRIME HIGH HEAD PUMP - SYKES HH160I



The Himax Pump is a true self-priming pump so does not require manual priming of the suction line or filling of a priming tank in order to begin its normal operation. The Sykes High Head range of pumpsets are fully automatic priming and designed to meet the stringent demands of the mining, construction and rental industries. Boasting one of the best shaft stiffness ratio's of any automatic priming pump on the market, the Sykes High Head range provides the reliability to meet market expectations.

In addition the pump can run dry for extended periods due to the mechanical seal assembly which allows priming with long suction hoses and suction lifts of up to 9m (28 feet). As fluid levels fluctuate, the pump will "snore" until the liquid is available for the pump to fully reprime itself automatically.

KEY FEATURES

- Low fuel usage
- Reduced engine sizes
- Lower maintenance costs
- Dry self prime and reprime
- Close coupled SAE Bearing Frames
- Suction lifts to 9m
- Operates in 'snore' conditions
- Vacuum Priming option available for ground dewatering
- Diesel, electric or hydraulic drive
- Solids handling
- Simple maintenance
- Replaceable wear parts
- Chassis - skid, road tow, wheeled, caged
- Powered by Perkins or Cat Engines.
- Other engines available on request
- Sykes purpose built Control panel

MATERIALS OF CONSTRUCTION

Pumping Casing	S.G. IRON 400/12
Suction Cover	S.G. IRON 400/12
Air Separation Tank	S.G. IRON 400/12
Bearing Bracket	S.G. IRON 400/12
Pump Shaft	431 Stainless Steel
Impellar	316 Stainless Steel
Wearplates	316 Stainless Steel
Mechanical Seal	Silicon Carbide
	Cartridge Seal c/w
	Pumping Ring & Glycol
	Quench
N.R.V. (Ball Type)	S.G. IRON 400/12

DESIGN DETAILS

Single Stage, end suction type, 2 vane semi open impellar, centrifugal pump	
Suction Flange (mm/in)	200/8
Delivery Flange (mm/in)	150/6
Solids Handling Size (mm/in)	65/2.5
Maximum Head (m/ft)	140/459
Maximum Capacity	180L/S

Speed (RPM)	Power Usage (kW)	Fuel Rate (L/HR)	Run Time (hrs - 1200L Fuel Tank)
1400	70	17.29	69
1800	125	30.88	39
2000	165	40.76	39

Calculations are based on 210g/kw.hr





DIESEL SPP AUTO PRIMING PUMP QC/P100 - 150MM

Dry Weight: 5600 k g
Fuel C apacity: 1 200 li tres

