

## 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
- Custom build available
- Sykes purpose built Control panel

## Application

- Construction
- Environmental
- Industrial
- Mining
- Clean Water
- Sludge
- Slimes
- Sewage
- Solids laden liquids
- Ground Dewatering
- Pipeline & Drilling
- Jetting
- Quarries

## Technical Data

### MATERIALS OF CONSTRUCTION

Pump 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
Impeller:	316 Stainless Steel
Wearplates:	316 Stainless Steel
Mechanical Seal:	Silicon Carbide cartridge seal c/w pumping ring and Glycol Quench
N.R.V. (Ball Type):	S.G. IRON 400/12

### DESIGN DETAILS

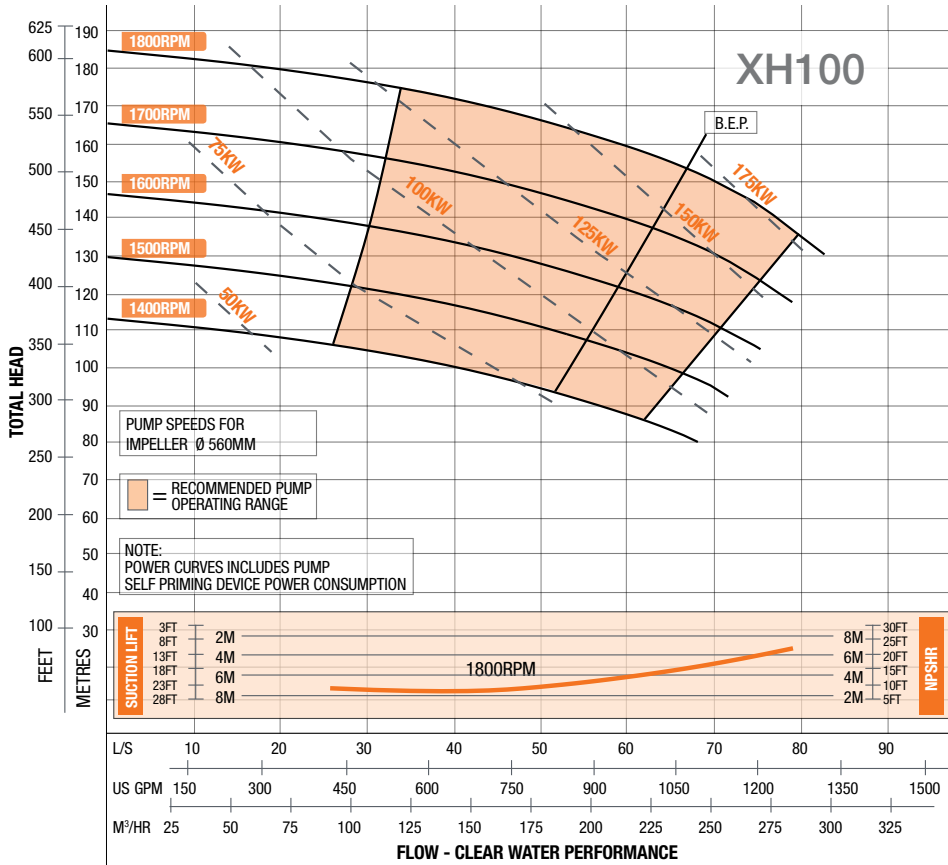
Single Stage, end suction type, 5 vane closed impeller, centrifugal pump

Suction Flange (mm/in): 150/6  
 Delivery Flange (mm/in): 100/4  
 Solids Handling Size (mm/in): 22/0.88  
 Maximum Head (m/ft): 185/607  
 Maximum Capacity: 82 L/sec

### FUEL USAGE (L/HR) @ BEP

Speed (rpm)	POWER USAGE (kW)	FUEL RATE (L/hr)	RUN TIME (hrs - 1200L fuel tank)
1400	75	18.53	65
1600	120	29.65	40
1800	170	42.00	29

CALCULATIONS BASED ON 210 g/kw.hr



Dry Weight: 5870 kg  
 Fuel Capacity: 1200 litres

