

WATER



XH200 - 1750



Diesel Drive Auto Prime XTRA High Head Pump

As Mines and Quarries go deeper the Xtra High Head automatic priming solids handling pumpset is designed to dewater more efficiently and effectively.

Boasting one of the best shaft stiffness ratio's of any automatic priming pump on the market the Sykes Xtra High Head range provides the reliability to meet the market expectations.

Sykes engineers have ensured that the enormous pressures and heads associated with such performance do not compromise seal integrity through shaft flexing.

Sykes Xtra High Head Pump range caters to the demands of the global mining industry and all models have the ability to operate unattended at high discharge heads.



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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 Cat Engine.
- 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 370/17
Suction Cover:	S.G. IRON 370/17
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/ Silicon Carbide
N.R.V. (Ball Type):	S.G. IRON 370/17
Engine:	CAT C-27

DESIGN DETAILS

Single stage end suction 5 vane closed impeller centrifugal pump

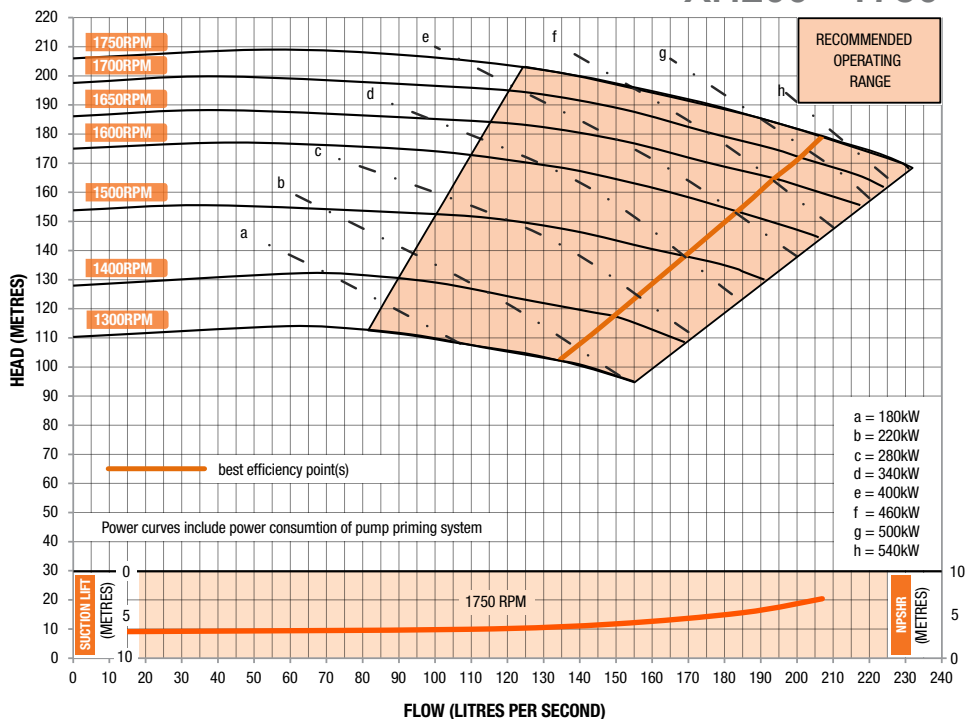
Suction Flange (mm/in):	250/10
Delivery Flange (mm/in):	200/8
Solids Handling Size (mm/in):	31/1.2
Maximum Head (m/ft):	208/682
Maximum Capacity:	230 L/sec

FUEL USAGE (L/HR) @ BEP

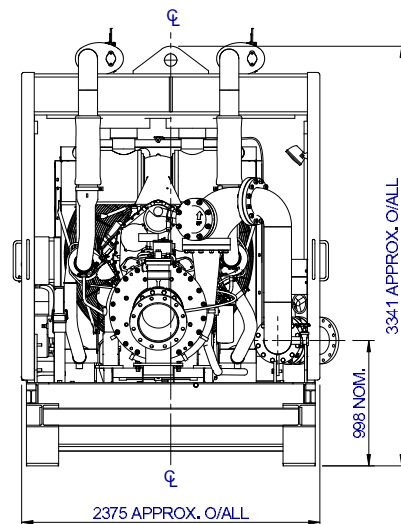
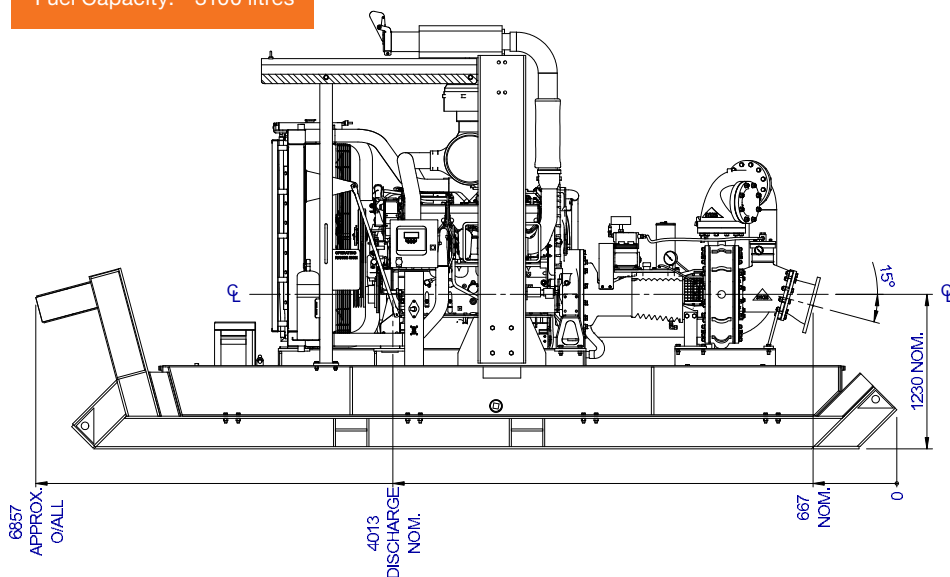
Speed (rpm)	POWER USAGE (kW)	FUEL RATE (L/hr)	RUN TIME (hrs - 2500L fuel tank)
1300	212	52.38	48
1400	256	63.25	40
1500	326	80.54	31
1600	366	90.42	28
3500L fuel tank			
1750	516	127.48	27

CALCULATIONS BASED ON 210 g/kw.hr

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Dry Weight: 12,800 kg
Fuel Capacity: 3100 litres



Final weight and dimensions will depend on completed specifications

All this information in this document is substantially correct at the time of printing and may be altered subsequently