

## SYKES HD100 SUBMERSIBLE SLURRY PUMP



### Materials of Construction

Pump Casing:	S.G. IRON 400/12
Suction Cover:	MILD STEEL
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
Strainer:	Galvanised Steel
O-Rings:	Nitrile Rubber
Hydraulic Pump:	P330 x 1"
Hydraulic Motor:	M330 x 1"
Control:	Via engine speed controller
Hose Size:	3/4" nominal bore x 10m

### Design Details

Pump Description	Single Stage, volute type, 2 bladed fully open centrifugal pump
Delivery Flange:	100 mm
Nominal Casing Thickness:	10 mm
Solids Handling Size:	45 mm
Operating Speed:	MIN: 1400rpm    MAX: 1950rpm
Maximum Head:	35 m
Maximum Capacity:	55 L/sec
Maximum Hydraulic Press:	131 BAR
Maximum Hydraulic Oil Flow:	72 L/min

Fuel Consumption: 4.9 L/hr @ BEP 1950rpm WMR

### Pumpset Dimensions

Width:	1280 mm	Height:	1715 mm
Length:	2600 mm	Dry Weight:	1560 kg

