

KV500 PUMP UNIT

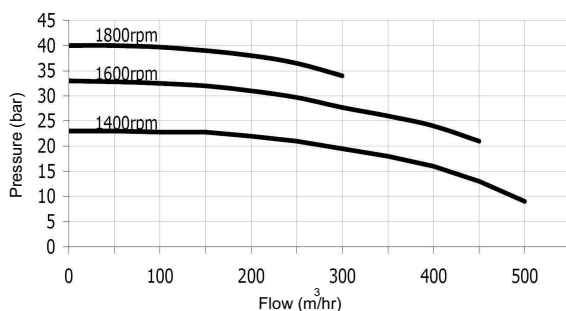
Technical Data Sheet

Pump Casing	Impeller	Wear Plates	Shaft	Discharge Manifold	NRV	Shaft Sealing	Discharge Valve	Bearings	Exhaust	Optional Equipment	Chassis
Cast Iron	Bronze	Bronze	65mm Stainless Steel	Steel Pipe tested to 60 bar	Twin Plate Wafer Check Valve	16mm ² Gland Packing	Cast Steel with Stainless Steel Mechanicals	Twin Roller Angular Contact Bearing	Removable Exhaust Insulation Cover for Upto 650 °C	Spark Arrestor Chalwyn Valve and Air Starter	Four Point Crash Frame c/w Fork Lift Pockets

TECHNICAL SPECIFICATION

Suction:	(250mm) 150 # Flanges	Maximum Operating Temperature:	90 °C
Discharge:	(100mm) & 150mm 300 # Flanges	Maximum Working Pressure (bar):	40
Maximum Capacity (m ³ /hr):	500	Maximum Suction Pressure (bar):	5
Maximum Head (m):	400	Maximum Test Pressure (bar):	40
Maximum Solids Handling (mm):	20	Maximum Operating Speed (rpm):	1800
Impeller Type:	Closed	Normal Operating Speed (rpm):	1700
No. of Pumping Stages:	5	Minimum Operating Speed (rpm):	1200
Maximum Impeller Diameter (mm):	380		

PUMP PERFORMANCE CURVE



WEIGHTS & DIMENSIONS

Dry Weight (kg):	5500
Gross Weight (kg):	6000
Length (mm):	4190
Width (mm):	2060
Height (mm):	2210

ENGINE PERFORMANCE DETAILS

RPM	Max Power in kw
1200	341
1400	395
1600	420
1800	420

Full Load Fuel Consumption:
Fuel Tank Capacity:

90 litres per hour
9 hours (at normal speed)

