

Product Specification

Central Diesel provides these specifications as a courtesy and are a guide only. They have been sourced from the manufacturer and may change without notice. Central Diesel accepts no responsibility for any errors or omissions.

PEDESTAL PUMPS

Southern Cross 'SS' Series pedestal mounted helical rotor pumps suit a wide range of applications drawing water from surface supplies and are particularly suitable for high head and long distance pumping. Simplicity of design (only one moving part in pump element) and low maintenance are unique features of these pumps. Positive displacement pumping action gives outstanding power savings plus the ability to vary the output to suit the available water supply simply by changing the pump speed.

Belt Driven Diesel Pedestal Unit



Belt Driven Electric Motor Pedestal Pump



CONSTRUCTION...

Heavy duty cast iron bearing housing and pedestal with stainless steel shaft running on high capacity polished for life ball bearings. Gasket is adjustable to either side of pump or for vertical discharge up or down. Pump shaft is sealed with a single mechanical seal while drive to the rotor is via a flexible stainless steel whip shaft designed to flex with the eccentric rotation of the rotor and eliminate the need for constant maintenance of costly universal joints.

The pumping element consists of a hard chrome plated and polished stainless steel helical rotor revolving in a moulded elastomer stator, producing a positive displacement, non-pulsating pumping action. Output capacity is simply adjusted by variation of pump speed. These simple units require no adjustments, maintenance or lubrication.

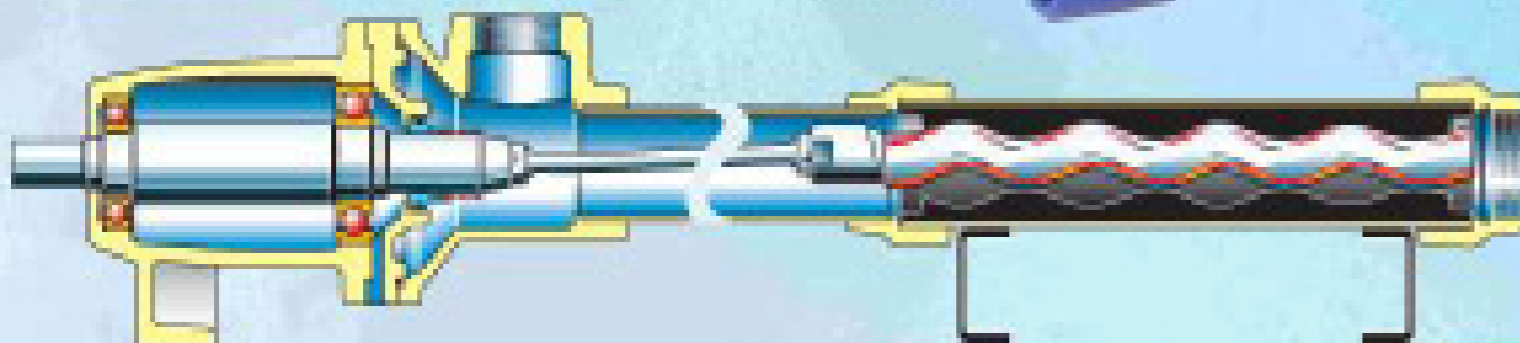
Choice of bare shaft pumps for belt, pit or flexible coupling drive, shoe-coupled motor/pump units, or packaged belt drive electric motor or engine powered units.

Suction and discharge screened 50mm (2 inch) (SSP)

Available as single stage for 60m head or two stage for 120m head



Shoe Coupled and Direct Coupled Motor/pump Units



BOREHOLE PUMPS

Designed for drawing water from deep wells and boreholes and for discharge to high heads or over long distances. Range of drives to suit a wide range of applications, particularly in remote locations. High efficiency and low operating speeds bring outstanding power savings plus the ability to vary the output to suit the bore yield, simply by adjusting the pump speed. Proven design and quality of material and manufacture result in exceptional reliability under the harshest water conditions.

DRIVE HEADS... Combination discharge head and vertical belt drive heads for electric motor mounting or quarter twist vertical belt drive.

PUMPS... Hard chrome plated and polished stainless steel helical rotor revolving in a moulded rubber stator for positive displacement, non-pulsating pumping action.

COLUMN AND SHAFT...

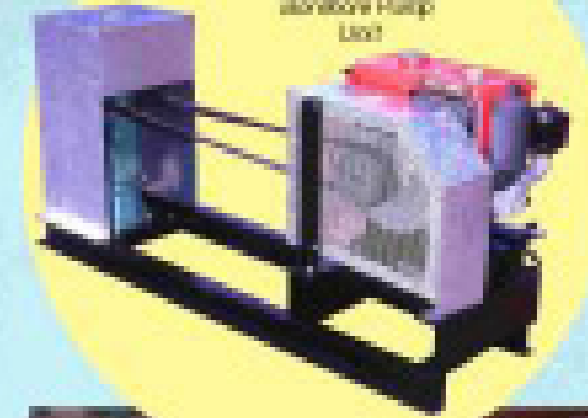
Provides the drive link between surface mounted drive head and underground pump, and delivery pipe for the pumped water. Stainless steel bobbin bearing shafts run in water lubricated bearings to eliminate shaft wear.

STABILISERS... Column pipe is stabilised and centrally located in the bore casing by heavy duty moulded rubber stabilisers to suit from 100 to 250mm casing.

FOOTVALVE & STRAINER...

A full column of water, to ensure adequate bearing lubrication on every pump start-up, is maintained by a non-rotating, high quality bronze footvalve and strainer.

1/2" Split Belt Drive Diesel Engine Powered Borehole Pump Unit



PEDESTAL AND BOREHOLE PUMP MODELS

Bare Shaft Pedestal	Pedestal Motor/pump	Line Shaft Borehole	Number of Stages	Head Metres	Max Output Litres/Sec
SSS410	SSM410 - 0.75kW	SSB410	1	60	1
SSS420	SSM420 - 1.5kW	SSB420	2	120	2.2
SSS510	SSM510 - 2.2kW	SSB510	1	60	1
SSS520	SSM520 - 3.7kW	SSB520	2	120	2.2

