

CEP SERIES DOUBLE SUCTION SPLIT CASE PUMPS



TECHNICAL DETAILS:

- The Turbo-CEP series pumps designed for general purposes are made of double entry, single stage with casings axially split.
 - Mounting arrangements are available in both horizontal and vertical forms.
 - Removal of upper half of the casings allows easy pump inspection, maintenance and removal of entire rotating elements without disturbing piping or motor and pump alignment.
 - Turbo-CEP series are fitted with casing wear rings with impeller wear rings provided on request.
 - Turbo-CEP series pumps cover the range from 15 up to 3000 litres/sec with manometric head from 8 to 175 meters.
 - Pumps are assembled for clockwise rotation when seen from drive end. Direction of rotation can be changed optionally.
 - Operating temperature: -10°C up to +120°C
 - Shafts of CEP series pumps are supported by 3 heavy duty type bearings which are greas lubricated as standard, oil lubrication available optionally.
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- CEP series pumps have specially designed high efficiency (EFF) double suction, closed type impellers with curved vanes.



CEP SERIES PUMPS OPERATION RANGE : Qmax : 9500 m³/h Hmax : 180 m

COMPONENT	MATERIAL	
	BRONZ VERSION	CAST IRON VERSION
Casing	Cast iron (GJL 250) (EN-JL 1040)	Cast iron (GJL 250) (EN-JL 1040)
Impeller	Bronze	Cast iron (GJL 250) (EN-JL 1040)
Wear ring	Bronze	Cast iron (GJL 250) (EN-JL 1040)
Shaft	Stainless steel (AISI 420) (1.4021)	Carbon steel (1.0501)
Shaft sleeve	Stainless steel (AISI 420) (1.4021)	Stainless steel (1.4021)
Shaft sealing	Soft packing / Mechanical seal	Soft packing / Mechanical seal
Painting	RAL 5010	RAL 5010

- Different materials (Duplex Steel, AlNi Bronze, AISI 316, Cast Steel, etc.) are available according to fluid specifications.

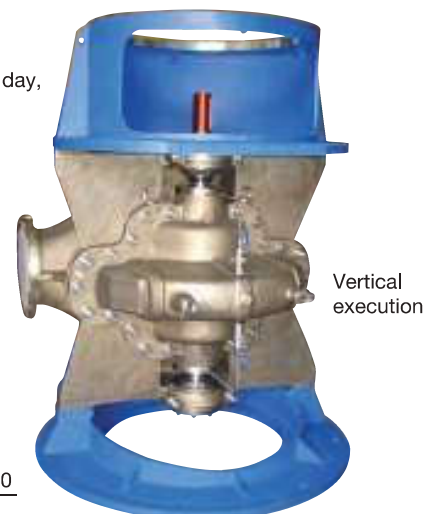
FIELDS OF APPLICATION

Turbo-CEP series pumps are suitable for

- Water Supply
- Irrigation and spraying systems,
- Drinking water supplies to buildings, communities and towns,
- Pumping liquids with low viscosity (i.e gasoline, oil, acid base etc.) in industries,
- Cooling water systems,
- Industrial plants on duty 24 hours a day, like Iron & Steel works.
- Paper and cellulose industries.

CEP V DOUBLE SUCTION VERTICAL SPLIT CASE PUMPS:

- The hydraulic characteristics and available sizes are same as Turbosan CEP series horizontal split case pumps.
- Vertical mounting arrangement allows drive motor to be mounted vertically, this is an advantage in installations where effective use of space is crucial.
- Drive motors can be mounted on CEP V series pumps by means of motor stool, or motor and pump can be connected by cardan shaft.
- Pump bases are of cast iron or sheet metal construction depending on pump size, where as motor stools are of sheet metal construction.



Vertical execution

IMPELLER

- Due to the impeller being of double suction: No axial thrust exerted on bearings
- Pump can be operated at relatively unfavourable suction conditions.
- Every impeller is balanced statically and dynamically, according to ISO 1940 class 6,3.

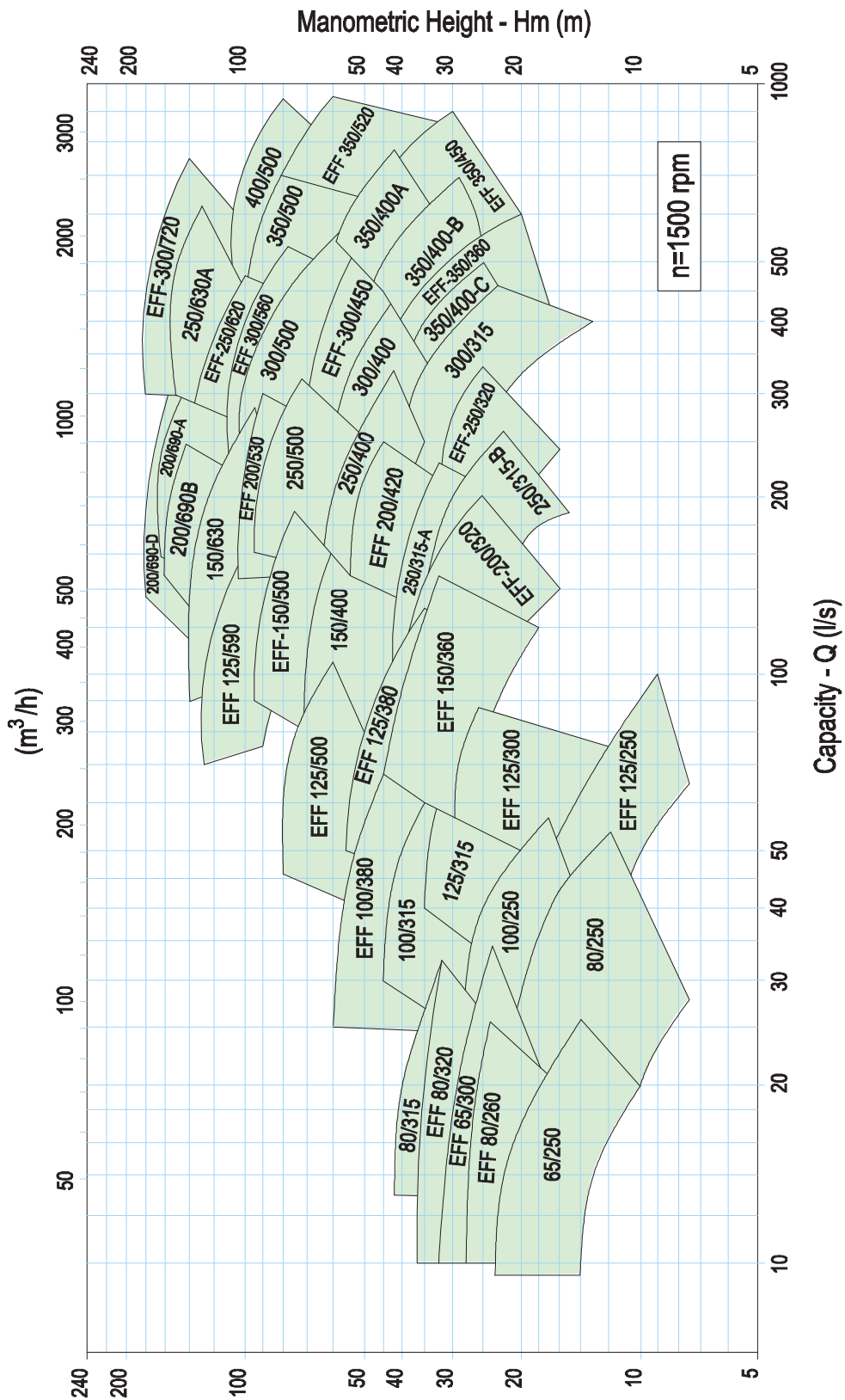
DESIGNATION

CEP 250 / 500

Impeller diameter
Discharge diameter
Pump type

CEP SERIES PUMPS GROUP PERFORMANCE CURVES

DOUBLE SUCTION SPLIT CASE PUMPS PERFORMANCE CURVES



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