



# CNP پمپ



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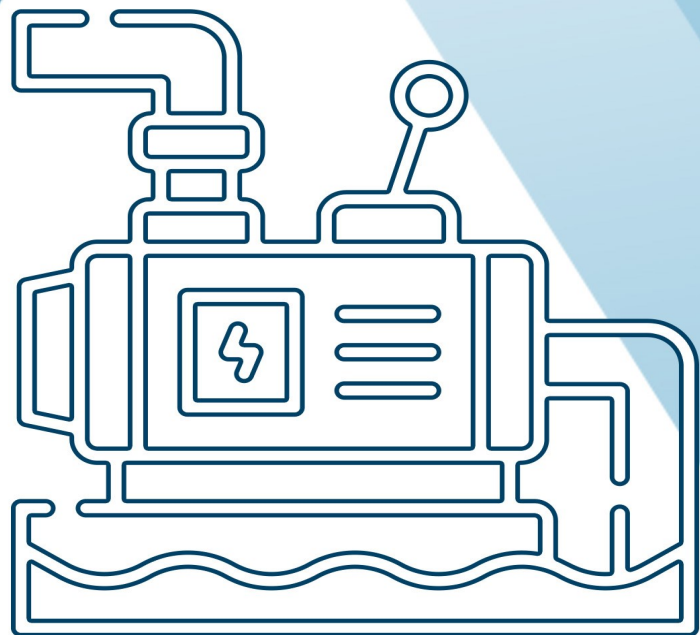


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Catalog 2021



# PUMP

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Pump

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# CDL/CDLF Series

Vertical Multistage Centrifugal Pump



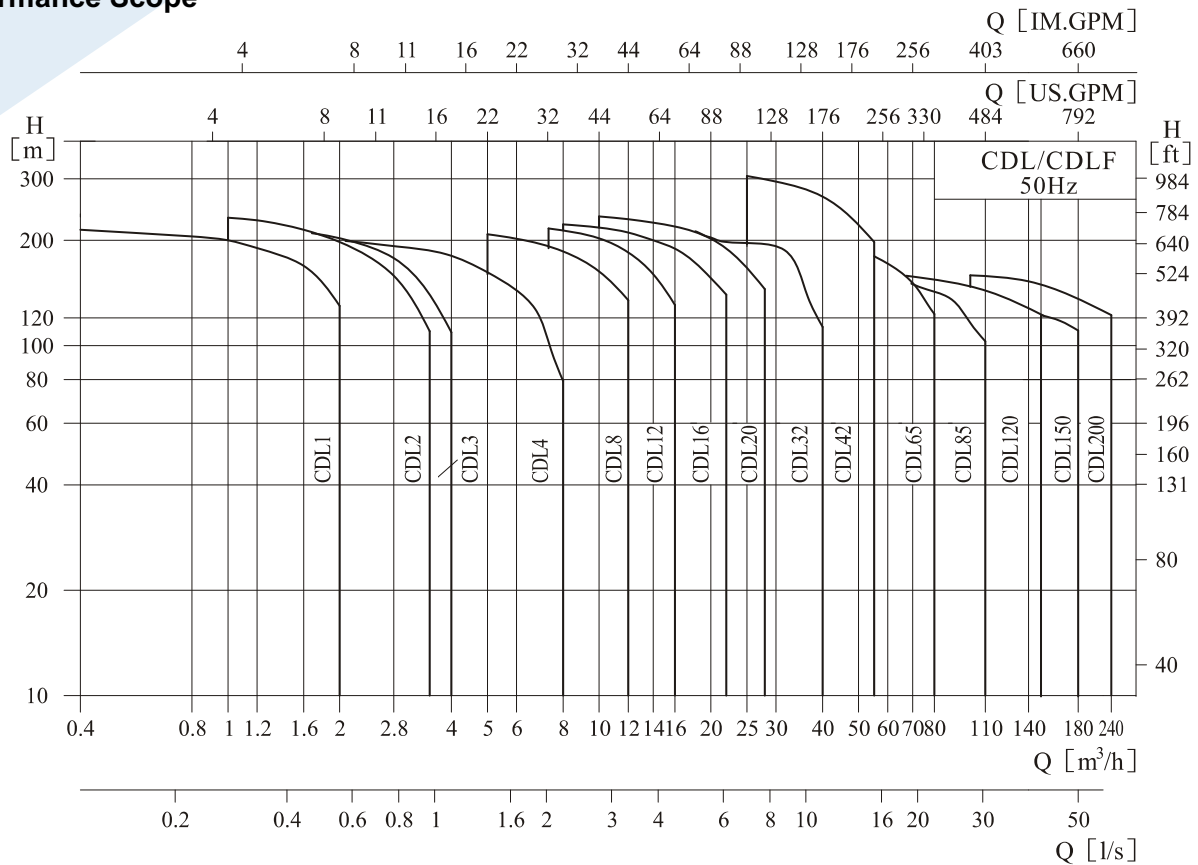
## ● Technical Data

- Thin, Clean, Non-flammable and Non-explosive liquid containing no Solid Granules and Fibers.
- Liquid temperature:  
Normal temp. type: - 15°C~+70°C  
Hot water type: - 15°C~+120°C
- Ambient temperature: up to +40°C
- Altitude: up to 1000m

## ● Features

- Our Vertical Multi Stage Centrifugal Pump is reliable and service-friendly, Space-saving, suitable for slightly aggressive liquids energy efficient.
- Close coupled vertical multistage pump with stainless steel parts which be driven by a standard TEFC motor, discharge and suction in the same line.
- Single phase motor up to 2.2 kW, Class F and IP55 are available.
- Standard supply for liquid temperature up to 700, high temperature pumps are available on request.
- Mechanical seal is Tungsten Carbide/Graphite, other material is available on request
- 60 Hz pumps are also available on request, please confirm performance curve before selection.

## ● Performance Scope



## ● Applications

- Cooling Water System
- Municipal Water supply & Boosting
- Domestic Water supply
- Irrigation
- General Industrial Services
- Washing Plants
- Boiler feed and Condensate System
- Water treatment

## ● Motor

- Full-enclosed Air-blast Two-Pole Standard Motor
- Protection class: IP55
- Insulation class: F
- Standard voltage:  
50Hz: 1x220-230/240V  
3x200-220/346-380V  
3x220-240/380-415V  
3x380-415V



**CNP PUMPS INDIA PVT. LTD.**

### Head office :

Plot No. B-5, 502, Sambhav IT Park,  
TJSB House, Behind Apla Co.,  
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Thane - 400604 India.  
**Tel.:** 022 - 2582 8400  
**Website :** www.cnpindia.com

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**Mob. No. :** 9167226982 / 9920993097  
**Service Centre :**  
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### Factory : BHIWANDI

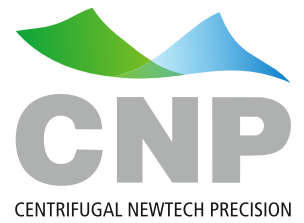
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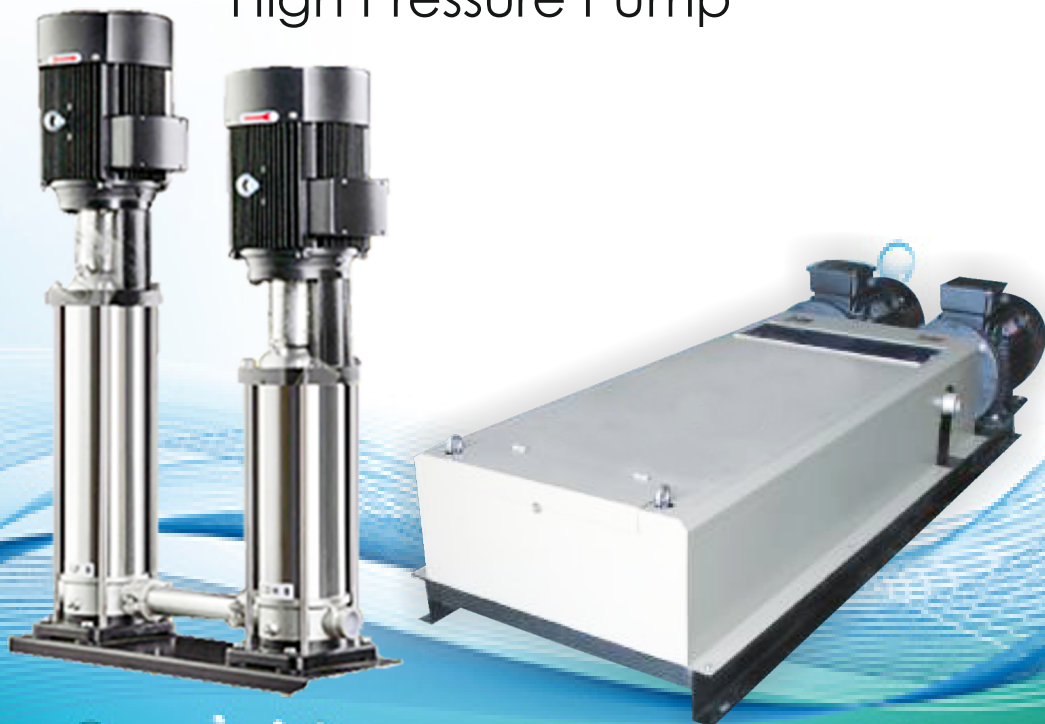


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# CDLF+CDH, HP, VMHP Series

High Pressure Pump



## ● Technical Data

- Thin, Clean, Non-flammable and Non-explosive liquid containing no Solid Granules and Fibers.
- Liquid temperature:  
Normal temp. type: - 15°C~+70°C  
Hot water type: - 15°C~+120°C
- Ambient temperature: up to +40°C
- Altitude: up to 1000m

## ● Applications

- Water treatment
- R/O System
- Booster System
- High Pressure Flushing System
- General Industrial Services
- Water Supply
- Sea Water Desalting R/O System (VMHP)

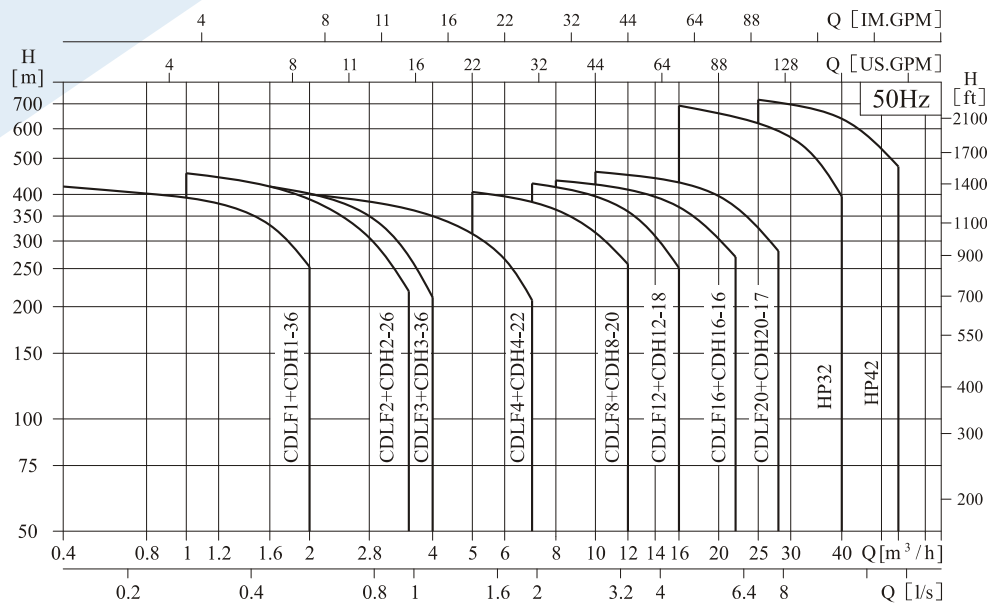
## ● Motor

- TEFC Motor
- Protection class: IP55
- Insulation class: F
- Standard voltage:  
50Hz: 3x380-415V  
3x200-240/380-415V  
3x200-220/346-380V  
1x220-230/240V

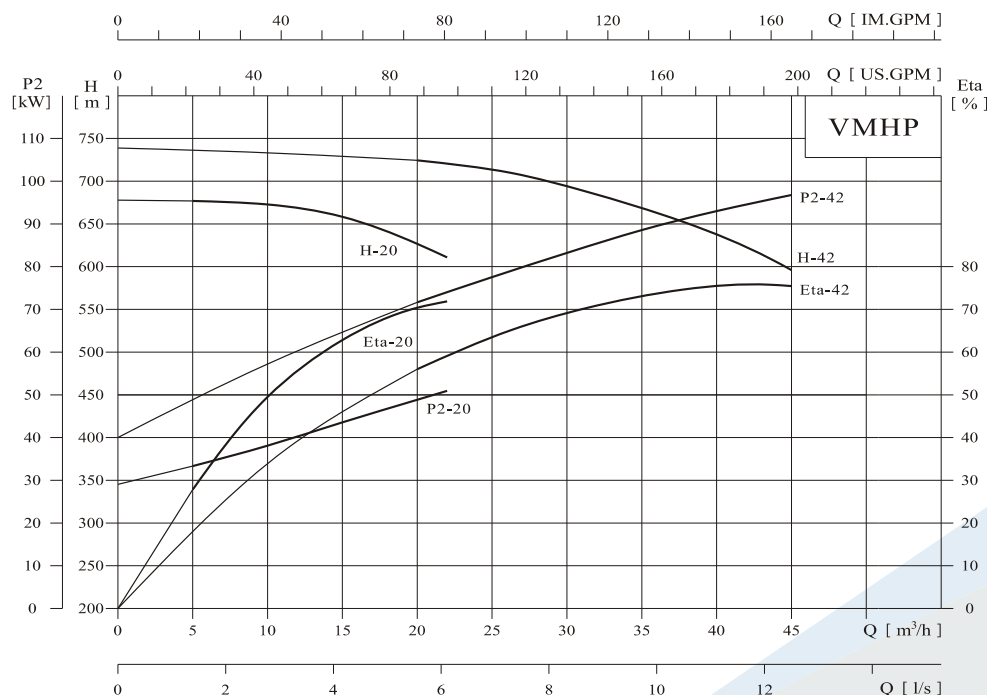
## ● Features

- High Pressure
- Y2 Series Standard Motor
- Simple Structure, Reliable, High Efficient, Light and Aesthetic
- Cartridge Mechanical Seal, Easy for Service

## ● Performance Scope



## ● Performance Curve

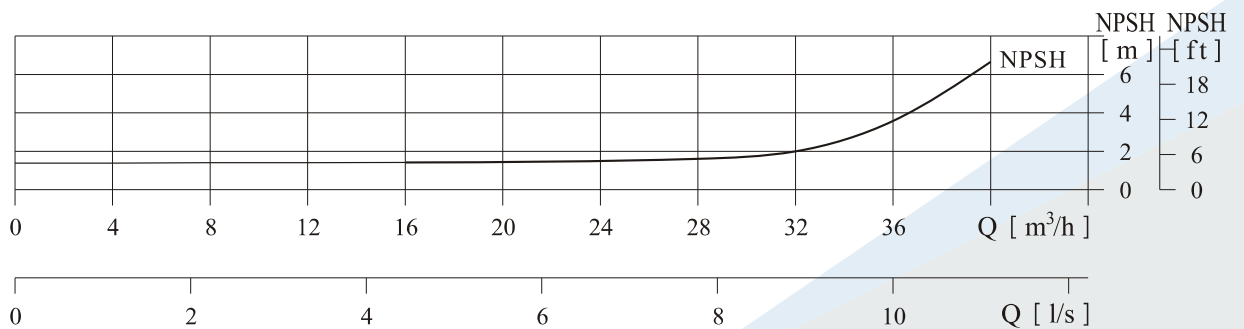
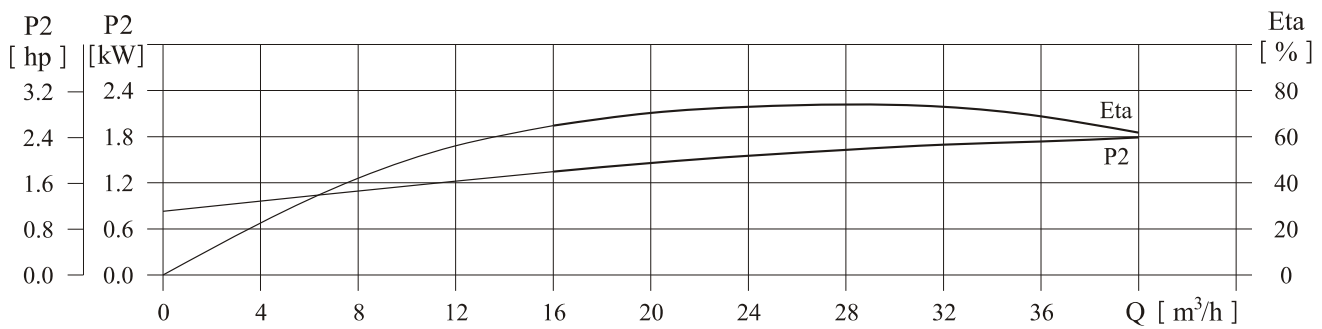
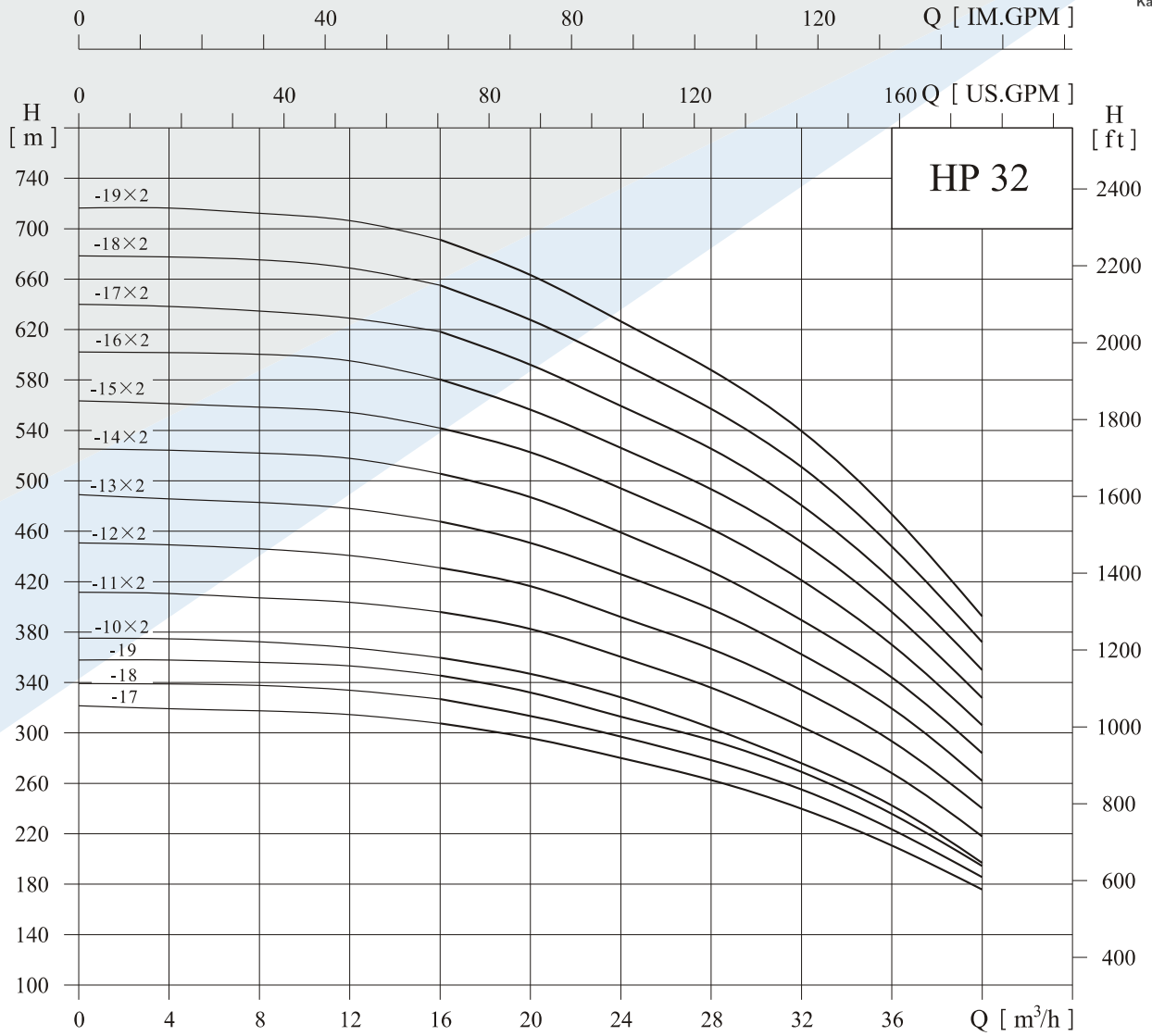


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● Performance Curve



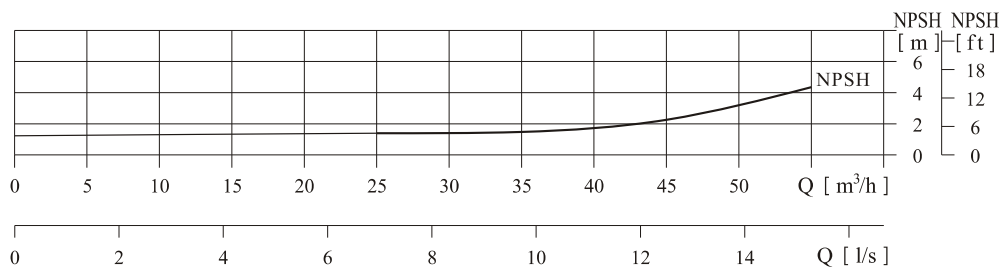
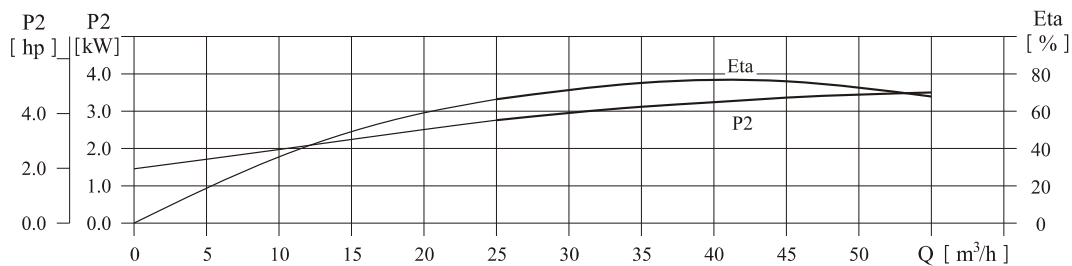
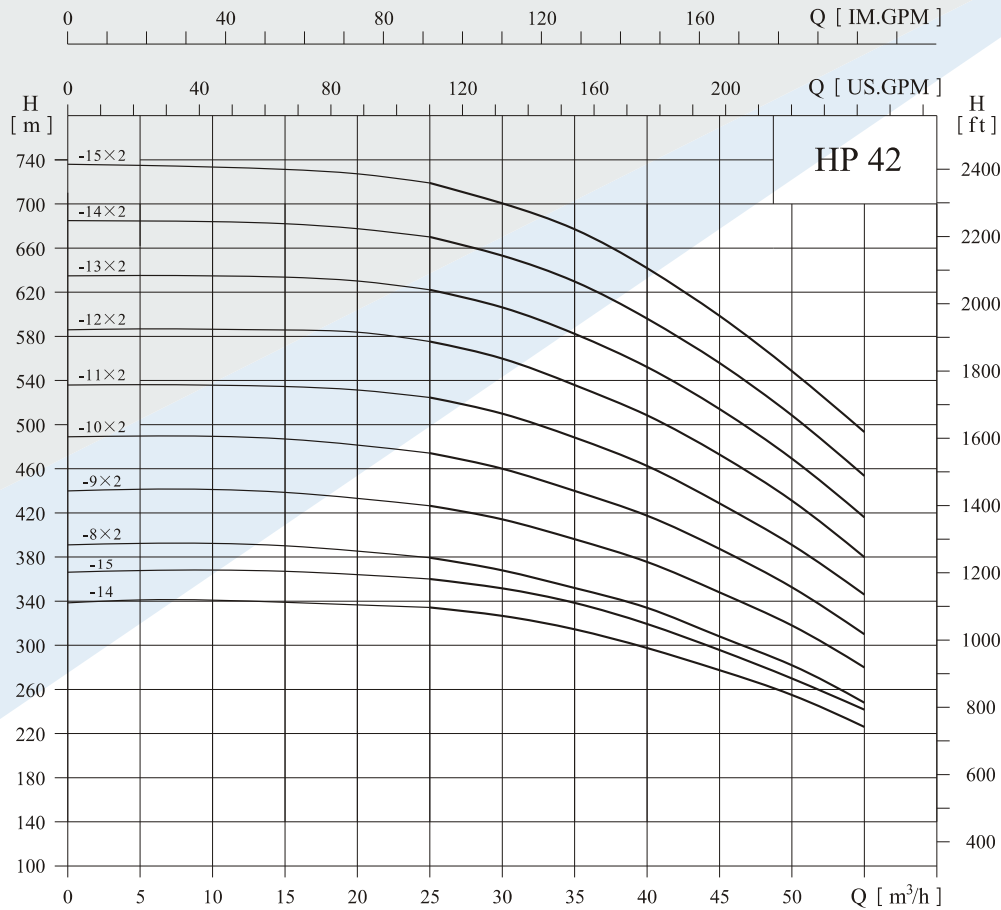
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● Performance Curve



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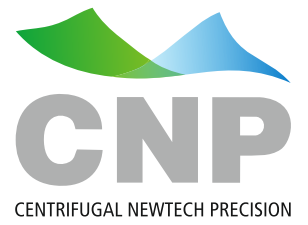
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# CDLK/F Series

Immersion Multistage Centrifugal Pump



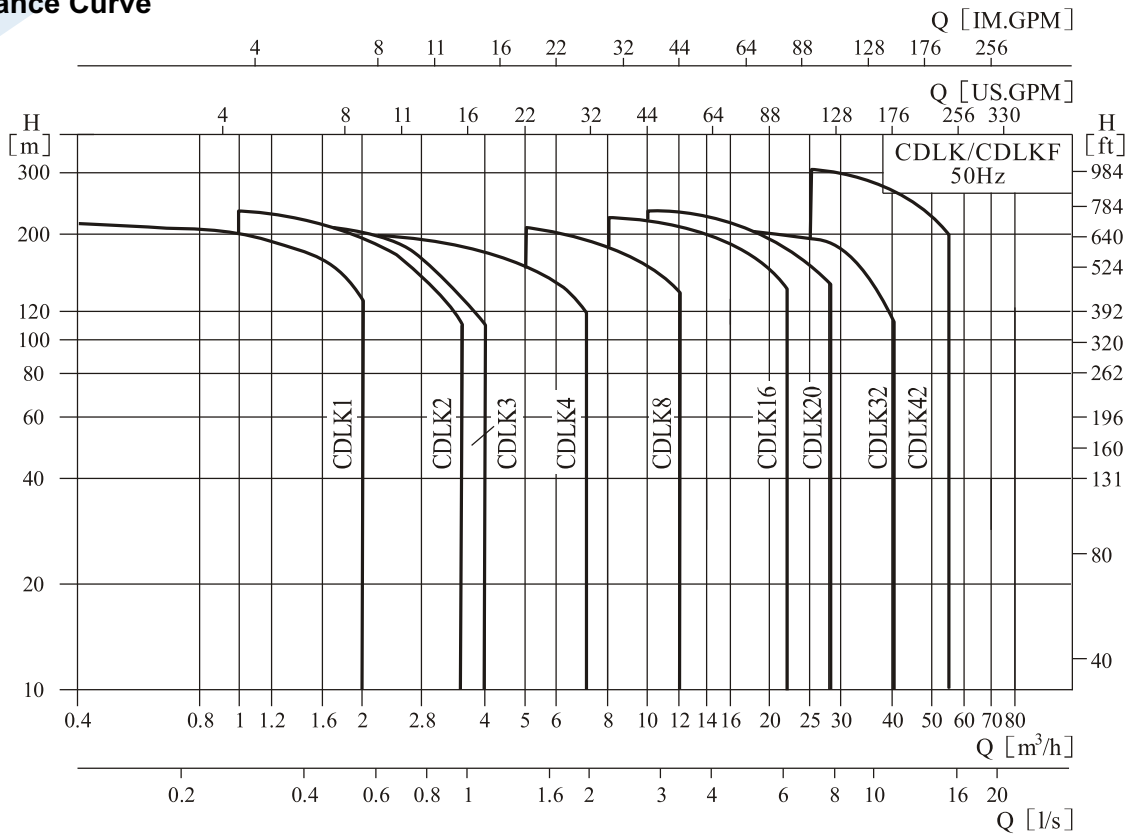
## ● Technical Data

- Performance curves as per complies with ISO9906
- Flow range : 0.4 m<sup>3</sup>/hr to 55 m<sup>3</sup>/hr
- MOC :  
CDLK : Pump with discharge head in Cast Iron  
All other parts with Stainless Steel 304/Stainless Steel 316  
CDLKF : Complete Stainless Steel 304/ Stainless Steel 316
- Liquid temperature :  
Operating range : -10°C~+85°C

## ● Features

- Cartridge Mechanical Seal for longer life.
- Energy efficient S, Duty Motor, CE certified.
- Immersion depth can be adjusted as per requirement.
- Protective coolant filter mesh at suction End for prevention of entry of metal chips.
- All wetted parts of corrosion resistance Stainless Steel-304/304.

## ● Performance Curve



## ● Applications

- CNC Machines
- Grinding Machines
- Processing Centers
- Cooling Devices
- Ind. Cleaning Equipment
- Filtering System



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## ● Motor

- The Motor is fully-sealed, Air-cooling standard motor 2 poles
- Protection class: IP55
- Insulation class: F
- Standard voltage:  
50 Hz: 1 x 220-230/240V  
3 x 220-240/380-415V  
3 x 220-255/380-440V
- Motors for other voltages can be supplied according to the requirement.
- Single phase motors with 0.37 ~ 2.2 kW are available.



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# CHL CHLK/CHLF(T) Series

Horizontal Multistage Centrifugal Pump





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### ● Technical Data

- Flow range (Q) : 0.5 ~ 32.0 M<sup>3</sup>/hr
- Delivery Head : 8 ~ 88 mtr
- Liquid temperature : -15oC ~ +105oC
- MOC : CHL : Stainless Steel 304  
CHLFT : Stainless Steel 316

### ● Applications

- Air conditioning system
- Cooling system
- Industrial System
- Water treatment (Water purification)
- Fertilizing / metering system
- Environment application

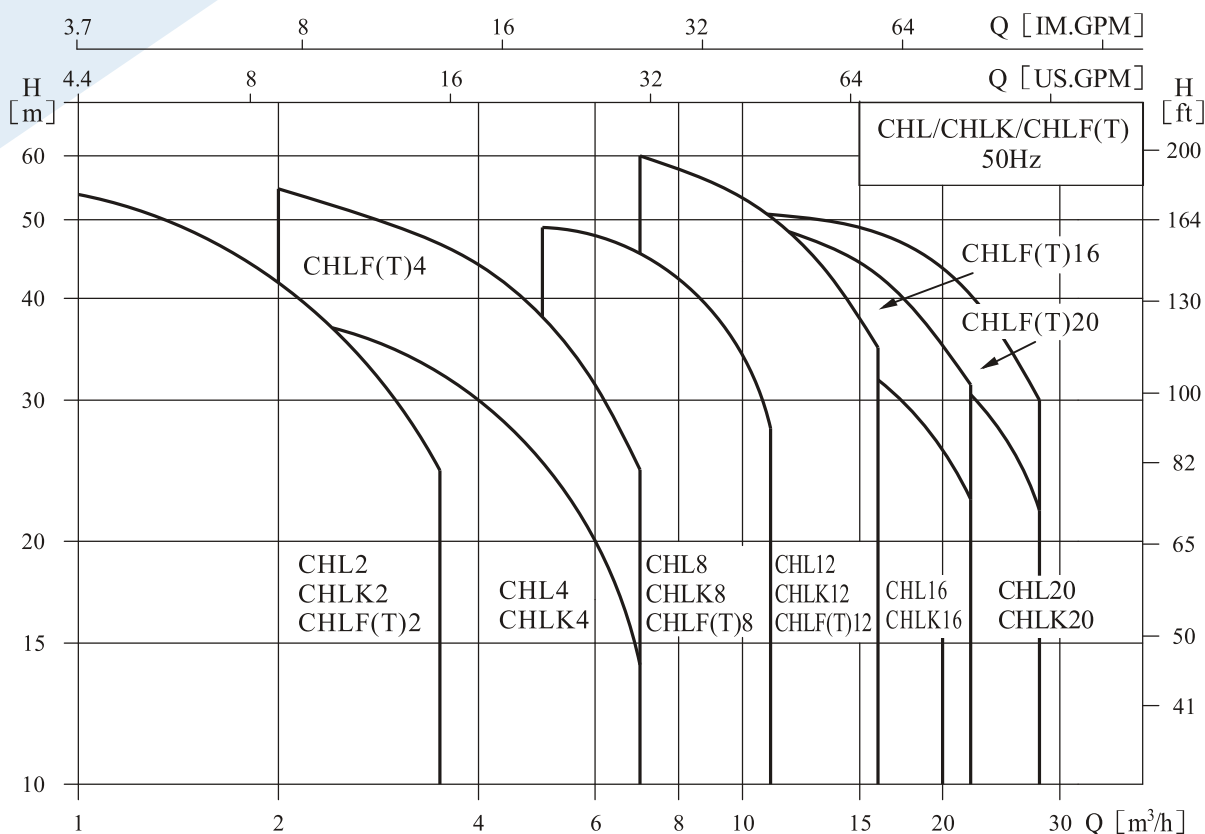
### ● Motor

- TEFC motor, 2-pole
- Protection class : IP 55
- Insulation class : F
- Single Phase : 2.4kW
- Standard voltage :  
50Hz: 1 x 220-240V, 50Hz  
3 x 220-240V/380-415V

### ● Features

- Rugged Construction, High efficiency,
- Dynamically balanced rotating components,
- Wetted parts coated with anti corrosive paint
- "O" ring sealing, High wear resistance Mechanical Seal

### ● Performance Scope



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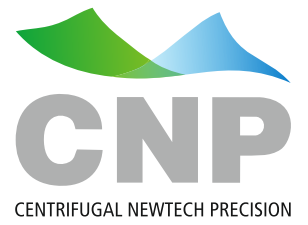
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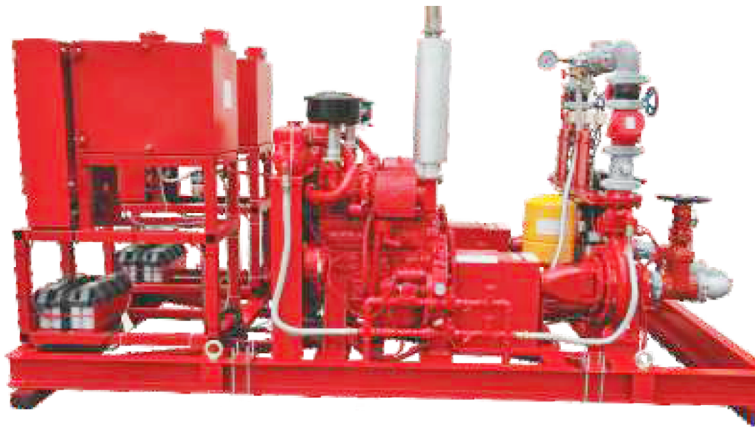
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# Fire Fighting Pumps



## ● FEM Series- Monoblock Booster Pump

- Pump Model : **FFM 65x50-21**
- H.P : 5
- SUC x DIS : 2.5" x 2"
- Flow Range : 258 lpm ~ 618 lpm
- Head Range : 39mtrs to 21mtrs

- Pump Model : **FFM 65 x 50 -30**
- H.P : 7.5
- SUC x DIS : 2.5" x 2"
- Flow Range : 500 lpm ~ 1034 lpm
- Head Range : 39mtrs to 24mtrs

- Pump Model : **FFM 65 x 50 -30**
- H.P : 10
- SUC x DIS : 2.5" x 2"
- Flow Range : 415 lpm ~ 1125 lpm
- Head Range : 51mtrs to 30mtrs

## ● VTC Series- Turbine Pump

### Technical Data

	Minimum	Maximum
Flow	100 lpm	12000 lpm
Head	10 mtrs	200 mtrs

### Salient Features

- Can be used alongwith can be used along with VHS Hollow shaft or VSS solid shaft Motor or with diesel engine / right angle gearbox.

### Application

- Useful for negative suction and in the absence of electric power.

Standard design as per compliance to **IS 1710** specification.

## ● CDL Series- Jockey Pump

### Technical Data

	Minimum	Maximum
Flow	1m <sup>3</sup> /h	240m <sup>3</sup> /h
Head	10meters	300meters

### Salient Features

- With IE2 efficiency motor
- 'F'-class insulation
- IP 55
- Inline vertical multistage SS Pump
- With 2 pole motor
- DN standard Inlet-outlet flange

### Applications

- For fire fighting in industrial, commercial and residential buildings
- Corrosion resistant

### Advantages

- Saves floor space in pump room

## ● NISO Series- Main Hydrant/Sprinkler Pump

### Salient Features

- TEFC motor IE2
- With energy efficient motor
- 'F'-class insulation
- IP 55
- Option with 2 or 4 pole motors
- Back pull-out design
- Also can be supplied in compliance to NFPA20 / IS12469
- For higher flow requirement also available on demand

### Rated Flow Range

- 180 lpm
- 240 lpm
- 900 lpm
- 1400 lpm
- 1600 lpm
- 1800 lpm
- 2280 lpm
- 2400 lpm
- 2850 lpm
- 3200 lpm

### Head

- Min. 40 mtrs. to 150 mtrs.

## ● MCC Panel

### Salient Features:

- M.S. Powder coated, Fire Red Colour Powder Coated, Top / Bottom Entry with IP55 / IP65 protection as per requirement. Panel standard Gauge thickness 14 / 16 SWG.

### 1 MAIN INCOMER control is provided with:

- MCCB / SFU With Rotary Handle Aluminium / Copper Bus bar
- R,Y,B Phase Indication Lamp Provision
- Digital or Analogue Type Ammeter & Voltmeter

### 2 Main Hydrant / Sprinkler / Jockey / Booster control is provided with:

- Star Delta / D.O.L. starter with Auto - Manual options with single phase preventer Relay.

### 3 Diesel Engine control parameters are covered as follows:

- Auto - Manual option .
- LLOP – Low Level Oil Indication, Engine RPM over speed, Engine overheating.
- Remote start, stop, inputs/commands from remote push button stations. If any one of the fault occurs, the corresponding LED starts flashing & same output is generated on output terminals for remote indications, and it also gives signal to hooter relay for audio alarm.
- Hooter is provided on control panel for audio alarm. Input faults can be selected at site.



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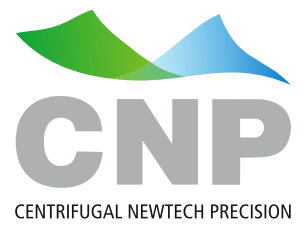
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# Hydro Pneumatic Series

Stainless Steel Pump



## ● **CNP Pumps**

### ● **Profile**

CNP is one of the largest manufacturer of pumps & systems in the world. It specializes in manufacturing of stainless steel sheet metal pumps. Established in 1990 company has developed many specialty pumps & systems. Company produces over 20000 pump every month under ISO standards & strict quality control; as an ISO 9001-14001 & OHSM 8001 company it has robust systems as well as world class manufacturing facility along with trained human resources. Company boasts technical strength, design & application engineering to develop new products. CNP backed by three decades of experience in manufacturing pumps has established itself as a preferred brand in over 30 countries across the world. Company offers various standardized products along with customized solutions for industrial & domestic needs.

### ● **Hydro Pneumatic Systems (HPS)**

#### ● **Concept**

Conventional pump sets are used to raise the water from a lower level to desired height for free flow under gravity, thus it increases the potential energy of water and an amount of water (volume) required for the usage is stored in tank at desired level.

Whereas HPS can provide the similar service without actually raising the water to the desired height, thus eliminating the storage at elevation.

HPS maintains the pressure inside the delivery pipe line with the help of accumulator. Restarting of the pump as on when required is achieved through sensing drop in the preset pressure by pressure switch, which is connected to the panel. This also provides automatic put off for the pump if requirement of water is fulfilled.

#### ● **Products**

CNP offers booster systems designed to supply water at desired pressure for domestic, commercial as well as industrial applications.

#### ● **YK Series**

Single pump booster (YK Series) is standardized compact system designed specifically for domestic application. With its fully automatic operation and pre-assembled setup, it offers convenient solution for household requirement. YK series systems comprise of CHLF(T) series pump with auto flow controller and optional pressure tank. It is most suitable for one or two bathrooms.







### ● DQ Series

Twin pump booster (DQ Series) is an energy saving, fully automatic & economical option for bungalow and apartments. This system provides optimum solution for variable flow requirements using two pumps in combination with pressure switch and pressure tank. System is equipped with a panel to protect the pump from dry run, voltage fluctuation and overload. It is a durable solution for domestic water supply.

### ● DRL Series

Multi pump booster, DRL series is the most advanced power saving solution for commercial as well as industrial applications. DRL series is totally microprocessor controlled product designed to meet continuous operating conditions and variable duty parameters. System not only reduces the electrical cost up to 30% in comparison to conventional pumping system, but also reduces the construction cost by eliminating overhead tank in the high rise buildings. DRL system offers constant pressure for variable water requirement on large scale and provides maximum protection for the pumps & motors.

With its sophisticated operational features PID controller is easy to program as per user requirement. Equipped with large HMI, is easy to use at the time of installation as well as for the day-to-day operations.

Controller can be programmed to handle up to 6 pumps with automatic staging of pumps based on demand to maintain constant pressure in the delivery line. System can be programmed at multiple set points for different demand patterns to enhance the efficiency.

### ● Features

1. The cascade control feature allows optimum number of pumps in operation at all times.
2. The variable frequency drive operates the pump at optimum frequency leading to energy saving.
3. Mounted on a common frame, including manifolds, valves and pressure transmitter.
4. The pump operations and the water management can be programmed to fit the user defined or demand defined consumption pattern.
5. Preset and ready to use.

### ● Applications

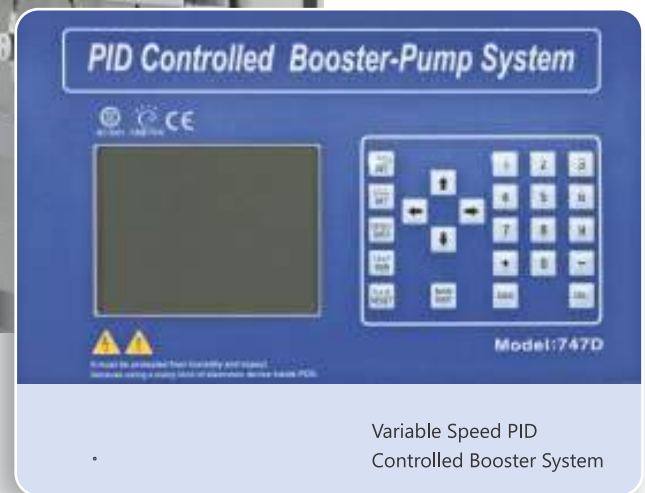
1. Water supply to housing colonies, township etc.
2. Multistoried buildings (domestic and commercial), hotels, hospitals, IT parks, schools and large complexes.
3. Water parks, fountains, golf course, irrigation, etc.
4. Fire fighting & HVAC.
5. Industrial application in pharmaceutical , automotive and textile segment.



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Variable Speed PID  
Controlled Booster System

DRL Series is equipped with intelligent pump controller with sophisticated operational features. PID controller is integrated with large HMI; which is easy to program as per customer requirement.

System is mounted on skid with suction & discharge manifold and standard accessories for long life reliable pumping solution. Integrated control panel can be mounted alongside separately on site. Pressure sensor/ transmitter inputs minute changes in the pipe pressure to controller which adjust the flow rates to maintain pressure level. Pump starts/stops are further reduced by accumulator (pressure tank) connected to outlet of system.



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# MS Series

Horizontal Single Stage Centrifugal Pump



## ● Technical Data

- Flow range (Q) : 1.2~27.0 M<sup>3</sup>/hr
- Delivery head : Max. 2.8 Bar
- Liquid temperature : -10°C~+85°C
- MOC : SS-304

## ● Applications

- Domestic water supply
- Water treatment
- Water circulation system
- Gardening

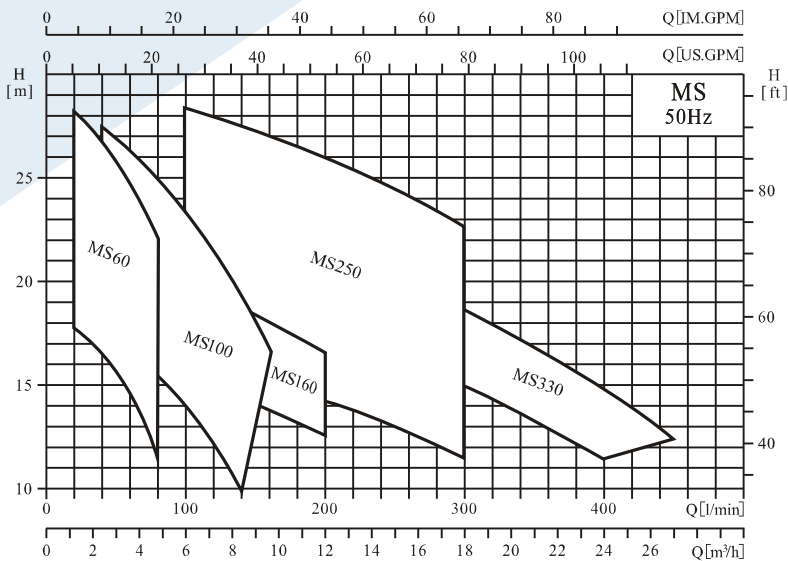
## ● Motor

- TEFC motor, 2-pole
- Protection class: IP 55
- Insulation class: F
- Standard voltage: 1 x 220V, 50Hz  
3 x 380V/3 x 220V, 50Hz

## ● Features

- MS Series of Pump is Single-Stage Centrifugal Pump and features axial suction and radial discharge;
- Compact structure, the Pump is directly connected with the motor, coaxial installation;
- Convenient installation, screw thread water inlet and outlet;
- Light weight, thin plate pressing structure for main parts and components;
- Corrosion resistance, components passing the flow use AISI 304 or AISI stainless steel

## ● Scope of Performance-50Hz



## ● Performance Table

Model	Driving motor		Q (l/min)	Q (m³/h)															
	(kW)	(hp)		20	40	60	80	100	120	140	160	200	250	300	330	350	400	450	
MS60/0.37	0.37	0.5	H (m)	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS60/0.55	0.55	0.75		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS60/0.75	0.75	1		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS100/0.55	0.55	0.75		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS100/1.1	1.1	1.5		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS160/0.75	0.75	1		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS160/1.1	1.1	1.5		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS250/1.1	1.1	1.5		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS250/1.5	1.5	2		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS250/2.2	2.2	3		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS330/1.5	1.5	2		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	
MS330/2.2	2.2	3		1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	12	15	18	20	21	24	27	



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TJSB House, Behind Aplab Co.,  
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**Tel.:** 022 - 2582 8400  
**Website :** www.cnpindia.com

### Sales Enquiry :

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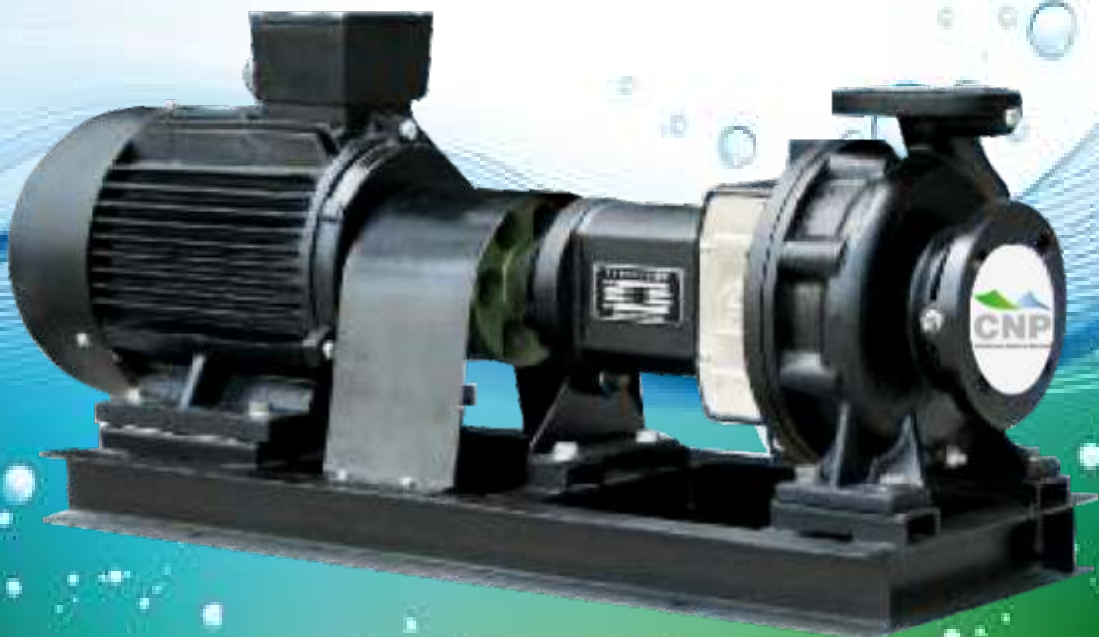


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# NISO Series

Single Stage Centrifugal End Suction Pump



## ● Technical Data

- Flow range (Q) : 5~500 M<sup>3</sup>/hr
- Delivery head : Max. 9 Bar
- Liquid temperature : -90°C~120°C
- MOC : Cast Iron, Bronze and Stainless Steel
- RPM : 2900 1 & 1400 (50& 60 Hz)

## ● Features

- Back-pull-out design
- Sturdy structure with low noise
- Easy to maintain and long service time.

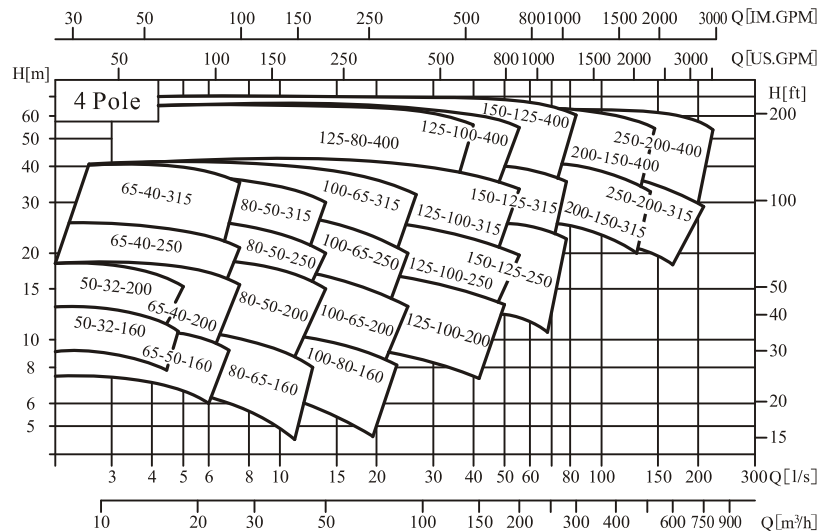
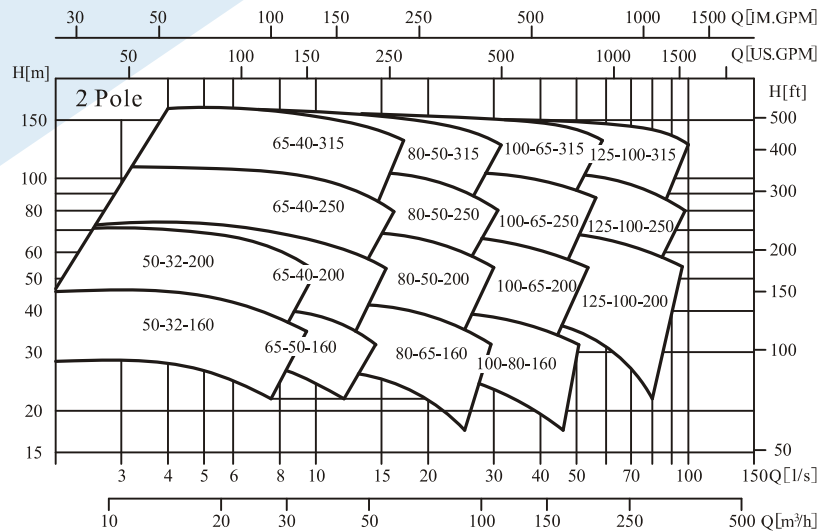
## ● Mode of Performance Drawing

## ● Applications

- Water Supply Systems
- HVAC
- Booster Constant Pressure water supply
- Fire Fighting System
- Irrigation, Farming
- Industry transferring



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# QY Series

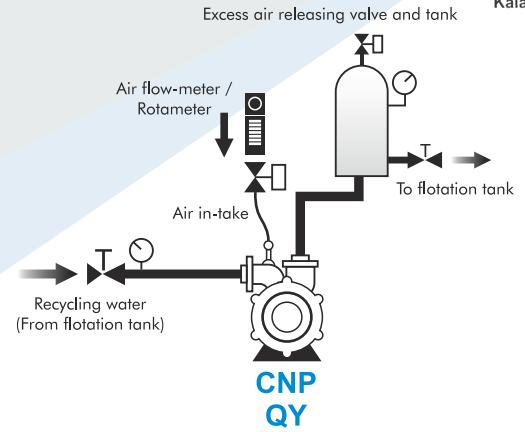
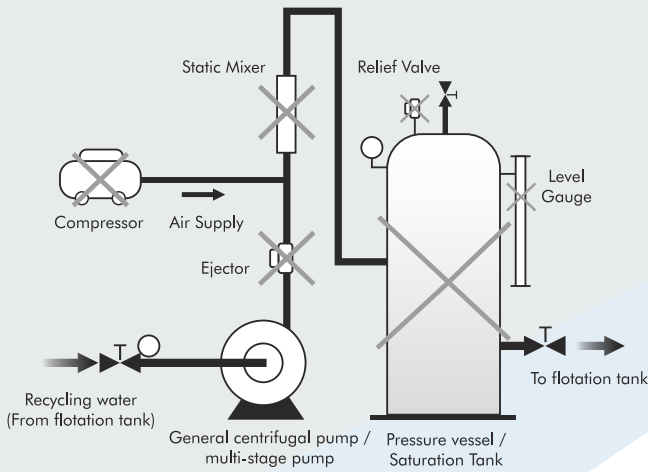
Stainless Steel Self-Priming Gas-Liquid Pump





● **Conventional System**

● **CNP Micro Bubble Generator**



The CNP India Make Micro bubble generator is a Unique, Efficient, Effective and Eco friendly solution to Water Treatment Industry. The QY series Stainless Steel Gas-Liquid Mixing Pump has been designed to mix Air and Water as per proportionate ratio 1: 9 (8 to 10% of Air volume) .This device produces fine Ultra Micro size bubbles (size 20 to 30 ), having tendency to retain the bubbles for much longer duration due to finer in size than the conventional methods of air mixing process by adding compressor, ejector, mixer and huge pressure vessel saturation tank. The compact size generator is space saving too due to elimination of piping, Air Compressor, Ejector, Mixer and Tank. Only small air separation tank is required for venting excess air during process. The smaller the size of bubble, better is Aeration and longer is retention period, the feature which makes this Model a special and unique solution provider for multiple applications listed.

● **Advantages v/s Conventional methods**

	<b>Conventional Method</b>	<b>CNP Micro Bubble Generator</b>
Structure	● Compressor, Static Mixer, Ejector, Big Pressured Dissolution Tank	Sucking Air, Mixing, Pressurizing / Transferring can be done by QY Pump itself
Operation & Maintenance	Complicated and difficult adjustment for air and water pressure during the operation due to complex system	● After initial setting is done as per instruction manual properly pump can run maintenance free ● Instant bubble formation after switching ON power supply
Air Dissolution Method	Air dissolves at tank taking longer time due to its high mixing & pressuring characteristics	Air dissolves into water inside of QY Pump faster
Noise	Loud operation noise because of sucking air from compressor	Low noise with sucking air automatically from atmosphere by CNP
Operation Cost	Due to electrical power supply required for motor as well as compressor, running cost increases	Economical due to only Electrical Power supply required for Motor
Foot Print	Big foot print as many components are required	Small foot print with compact structure





### ● Technical Data

- Gas/ liquid Ratio :  
1:9 (Appx. 8 to 10% Gas suction volume)
- Operating Air pressure Range : 3 to 4 Bar
- Ultra Fine Micro bubble  
Size produced : 20 to 30 p.
- MOC : Stainless Steel 304

### ● Features

- Compact Design
- Inlet : Horizontal, Outlet : vertical
- Self Suction Monoblock Pump design Standard
- Coupled type only on demand

### ● Applications

- Water treatment - Ozone Mixing for Breweries, Drinking water
- ETP Plant - Removal of Suspended solids in Flotation Tank / Oxygen mixing in Aeration Tank
- Oil removal from waste water mixed slurry
- Aeration in Fisheries
- Aeration in Swimming pools
- Fiber recovery in Pulp & Paper industries
- Pharmaceutical Industries
- Ink and Solvent Industry

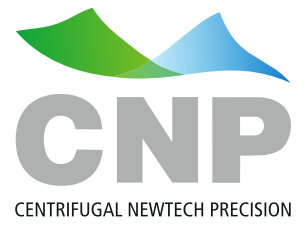
### ● Motor

- Standard 50 Hz, TEFC, Rpm 2900
- Three Phase or Single Phase supply
- Flame proof Motor available only on demand
- CE Marked, Energy efficient Silent running motor

### Pump performance with 8-10% Air

Model No.	Suction Discharge Size	Motor Power		Water flow Rate m <sup>3</sup> /hr	Operating Air Flow Rate N-L/min	Air Flow Meter Range N-L/min
		kW	HP			
20 QY-1	G 3/4 x G 1/2	0.55	0.75	1	1.3	0 to 5
20 QY-2	G 3/4 x G 1/2	1.1	1.5	1.5	2	0 to 5
20 QY-6	G 1 V2 x G 1V4	3	4	3.5	4.6	0 to 20
20 QY-12	G 2 x G 1 1/2	5.5	7.5	7.5	9.75	0 to 20





# Single Pump Booster System



## ● Pump MOC

- CHLF(T) Series : Stainless Steel 304 with inlet & outlet in Cast Iron
- CHL Series : Complete Stainless Steel 304 / Stainless Steel 316

## ● Applications

Independent Bungalows, Raw Houses, Small Apartment, Buildings pressure-boosting and Shower Panels.

## ● System Highlights

- Zero noise (below 70db) level
- Built-in thermal overload protection
- Easy installation
- Wide Choice for selection

## ● Domestic Boosters

Horizontal Multistage Pump, connected with pressure tank & Pressure switch supplies water in constant pressure range. System uses electrical energy only when required, avoids wastage, Also maintains the required pressure for shower panels & taps. It protects the pump and increases its life. Available tank range - 24 ltr. to 100 ltr.

## ● Performance Scope

Model	kW	HP	Head (Mtrs)	Flow Rate (M <sup>3</sup> /Hr)						Suction Pipe Size	Delivery Pipe Size	
				0.5	1.0	1.5	2.0	2.5	3.0			3.5
CHL/CHLF(T) 2-20	0.37	0.5	Head (Mtrs)	19	18	16	14	13	11	9	1"	1"
CHL/CHLF(T) 2-30	0.37	0.5		28	27	24	21	20	17	14	1"	1"
CHL/CHLF(T) 2-40	0.55	0.75		36	34	32	28	26	23	17	1"	1"
CHL/CHLF(T) 2-50	0.55	0.75		45.5	43	40	35	33	28	22	1"	1"
CHL/CHLF(T) 2-60	0.75	1		53.5	50	48	42	38	33	33	1"	1"

Model	kW	HP	Head (Mtrs)	Flow Rate (M <sup>3</sup> /Hr)						Suction Pipe Size	Delivery Pipe Size	
				1.0	2.0	3.0	4.0	5.0	6.0			7.0
CHL/CHLF(T) 4-20	0.37	0.5	Head (Mtrs)	19	18	17	15	12.5	10	8	1.1/4"	1"
CHL/CHLF(T) 4-30	0.55	0.75		28	27	26	23.5	20.5	17	13	1.1/4"	1"
CHL/CHLF(T) 4-40	0.75	1		37.5	36	34	31	27	23	19	1.1/4"	1"
CHLF(T) 4-50	1.1	1.5		47	45	42.5	39	34	29	23	1.1/4"	1"
CHLF(T) 4-60	1.1	1.5		56	54	51	47	41.5	35.5	28	1.1/4"	1"

Model	kW	HP	Head (Mtrs)	Flow Rate (M <sup>3</sup> /Hr)						Suction Pipe Size	Delivery Pipe Size	
				5.0	6.0	7.0	8.0	9.0	10.0			11.0
CHL/CHLF(T) 8-10	0.75	1	Head (Mtrs)	10	9.5	9.3	9	8	7.5	7	1.1/2"	1.1/4"
CHL/CHLF(T) 8-20	0.75	1		20	19.5	19	18	17	15.5	14	1.1/2"	1.1/4"
CHL/CHLF(T) 8-30	1.1	1.5		29.5	29	28	27	25	23	21	1.1/2"	1.1/4"
CHL/CHLF(T) 8-40	1.5	2		39	38	37	35	33	30.5	27.5	1.1/2"	1.1/4"
CHL/CHLF(T) 8-50	2.2	3		51	49.5	47.5	45	42.5	39.5	36	1.1/2"	1.1/4"



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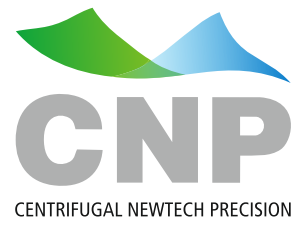
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# SJ Series

Stainless Steel Multistage Bore-Well Pump



### ● Technical Data

- Flow range (Q) : 0.4~240.0 M<sup>3</sup>/hr
- Delivery head : Max. 35.0 Bar
- Liquid temperature : +35°C
- MOC : SS-304

### ● Features

- Available in 3", 4", 6", 8", 10", 12" Diameter
- Energy Efficient, Durable & Aesthetic Structure

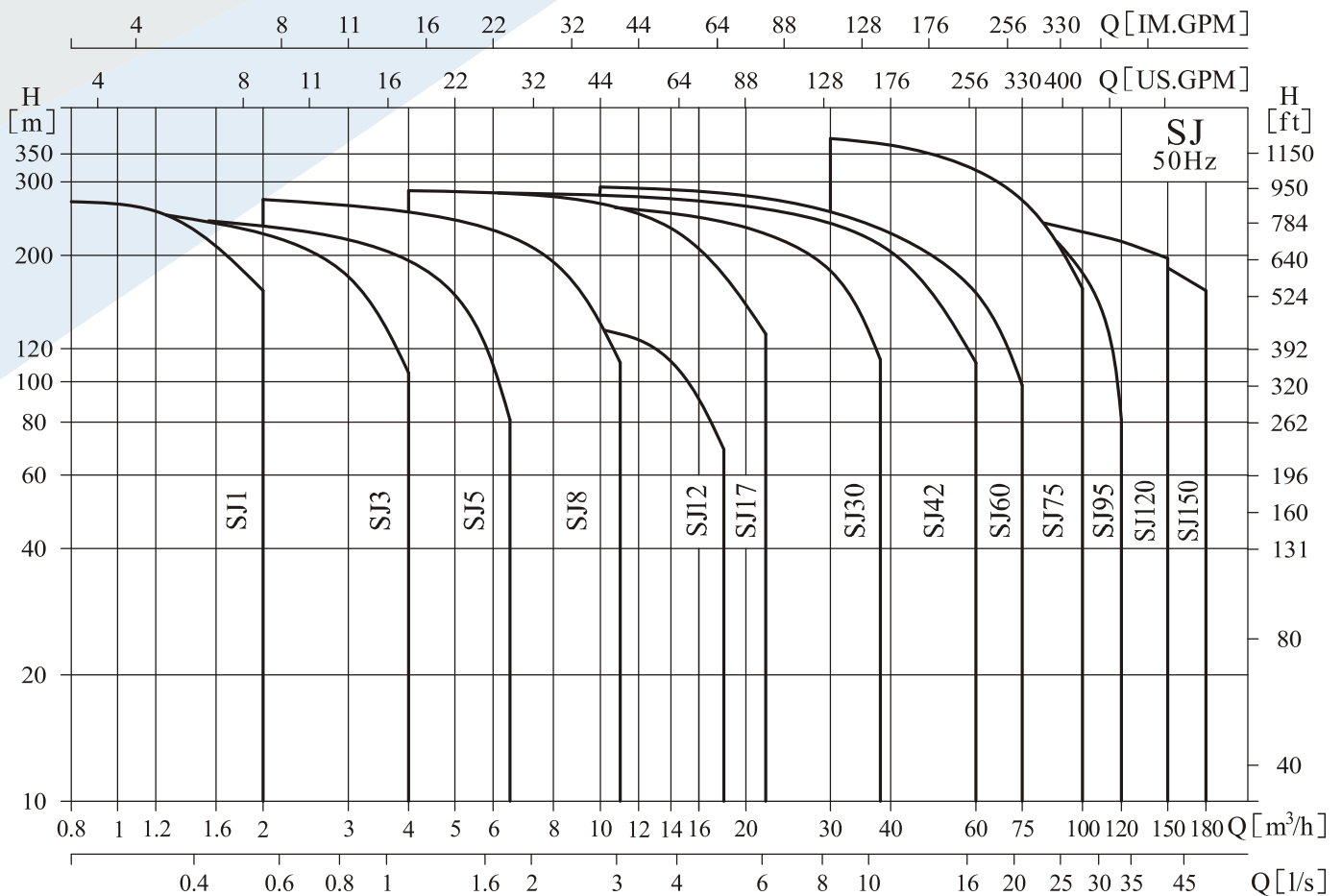
### ● Scope of Performance-50Hz

### ● Applications

- Water Supply, Irrigation system from Borewell
- Lowering ground Water level
- Pressure boosting for Domestic & Industrial Applications

### ● Motor

- 4" Motor Stainless Steel (there is bronze flange or Stainless Steel flange)  
Single phase : 0.37 kW ~ 1.5 kW  
Three phase : 0.37 kW ~ 7.5 kW
- 6" Motor Cast Iron (Standard), Stainless Steel (If required, need to specify)  
Three phase : 4 kW ~ 37 kW
- 8" Motor Cast Iron (Standard), Stainless Steel (If required, need to specify)  
Three phase : 5.5 kW ~ 110 kW



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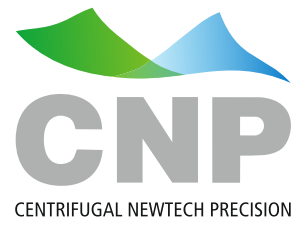
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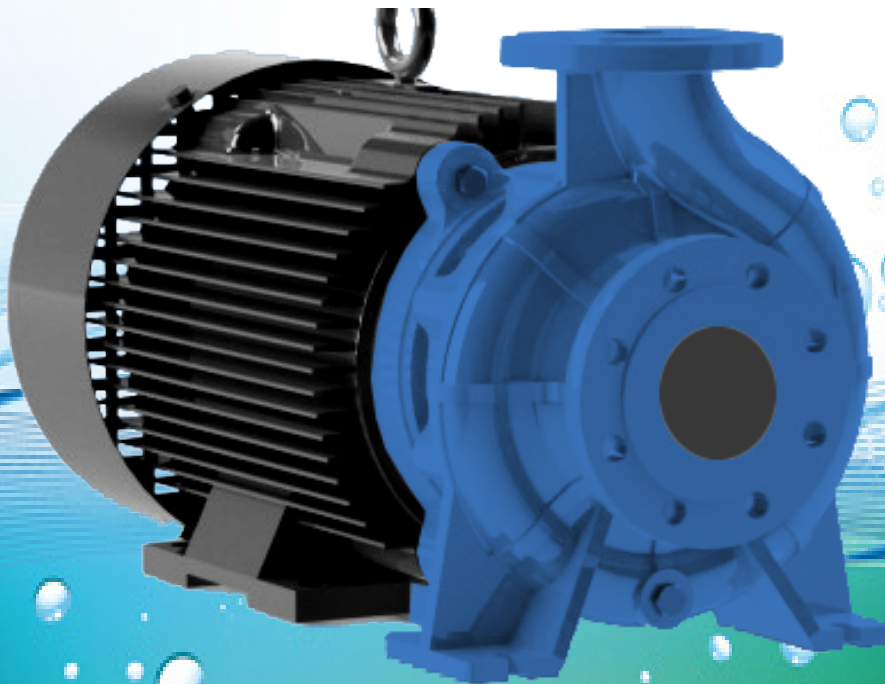


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# TCM Pro Series

Centrifugal Monoblock Pump



### ● Technical Data

- Flow range (Q) : Up to 126 M<sup>3</sup>/hr
- Delivery head : Up to 64 Meter
- Liquid temperature : 1°C to 65°C
- MOC : Cast Iron, Stainless Steel & Bronze.

### ● Applications

- HVAC System
- Cooling Towers
- Fire Fighting System
- Construction Sites
- Hotels, Malls
- Commercial Building

### ● Features

- Rugged Construction
- High Efficiency,
- Dynamically balanced rotating components
- Wetted parts coated with anti corrosive paint
- "O" ring Sealing
- High resistance Mechanical Seal

### ● Performance Table

PERFORMANCE TABLE OF MONOBLOCK PUMP																								
CNP MODEL	HP / RPM	SUC/ DEL mm	Remark	TOTAL HEAD IN METERS																				
				6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	35	36	38	40	44	48
TCM PRO 25 X25-18H	0.37/ 0.50	25X25	DISCHARGE IN LPS	138	126	114	96	90	78	24														
TCM PRO 25 X25-30H	0.75/ 1.0	25X25					180	174	168	150	144	132	108		60									
TCM PRO 65 X50-16H	1.5/ 2.0	65X50			660	600	528	420	240															
TCM PRO 50 X40-26H	1.5/ 2.0	50X40			318	306	294	282	270	252	234	216	186	132										
TCM PRO 80X80-14H	2.2/3.0	80X80			1140	1068	972	828	624															
TCM PRO 80X65-18H	2.2/3.0	80X65			810	756	702	642	570	450														
TCM PRO 65X50-26H	2.2/3.0	65X50					552	534	510	486	456	426	396	354	300									
TCM PRO 50X40-36H	2.2/3.0	50X40						306	300	288	282	270	264	252	240	228	216	192	168		120			
TCM PRO 50X32-38H	3.7/ 5	50X32											480	465	440	420	390	355	330	305	200			
TCM PRO 65X50-24H	3.7/ 5	65X50								917	767	630	400											
TCM PRO 50X32-48H	5.5/7.5	50X32												550	533	517	500	458	450	433	417	375	283	167
TCM PRO 65X50-32H	5.5/7.5	65X50												1100	1000	800	667	467						
TCM PRO 65X50-44H	7.5/10	65X50												1270	1200	1134	1084	1000	925	900	860	700	567	250
TCM PRO 80X65-30H	7.5/10	80X65							1834	1750	1667	1584	1417	1250	1084	750								
TCM PRO 80X65-35H	.11/15	80X65									2100	2030	1920	1834	1667	1500	1334	1167	1000					
												36	38	40	42	44	46	48	50	52	54	56	60	64
TCM PRO 50X32-60H	7.5/10	50X32												560	540	510	483	450	417	367	308	267	183	
TCM PRO 65X50-50H	.11/15	65X50										1267	1200	1134	1034	934	834	683	533					
TCM PRO 65X50-64H	15/20	65X50													1365	1335	1290	1250	1185	1134	1084	900	500	
TCM PRO 80X65-50H	18.5/25	80X65													2000	1867	1750	1600	1367	1000				
TCM PRO 80X65-64H	22/30	80X65																		1567	1484	1400	1134	600



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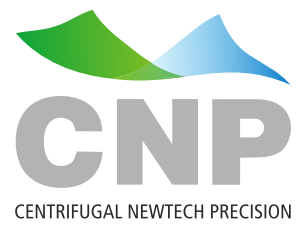
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# TD Series

In-line Circulation Pump





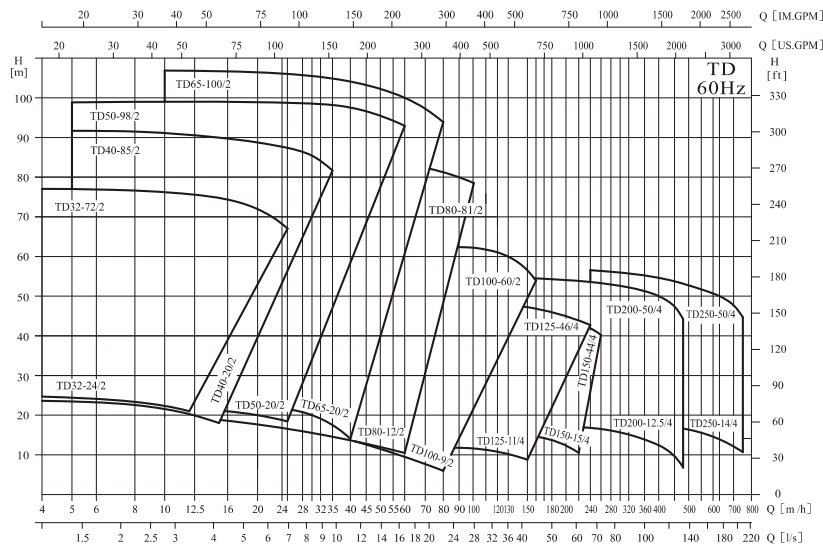
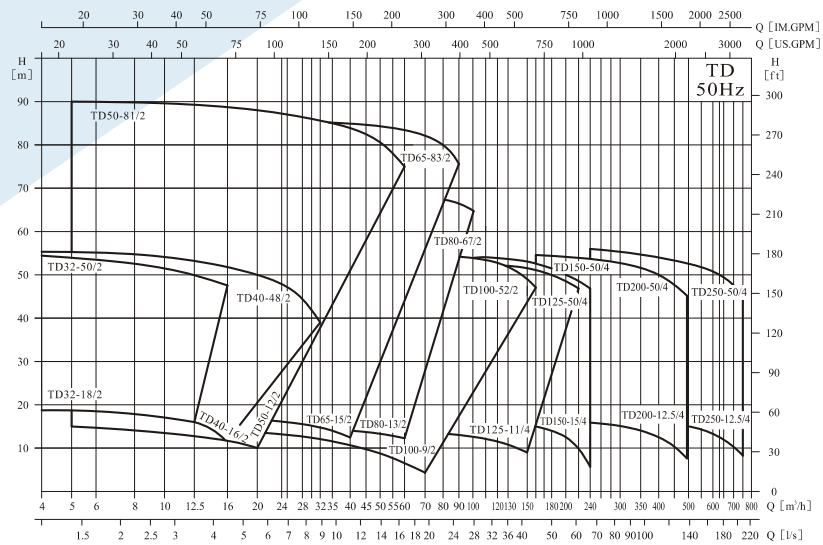
## ● Technical Data

- Flow range (Q) : 5~600 M<sup>3</sup>/hr
- Delivery head : Max. 9 Bar
- Liquid temperature : -15°C~150°C
- MOC : Cast Iron Volute with Stainless Steel Internal,  
Stainless Steel 304 (CF8e), Stainless Steel 316 (CF8M),  
Gun Metal (LG2), Stainless Steel Duplex

## ● Features

- Single Stage Pumping units of compact design with back pullout feature.
- Space saving Pump units designed for easy installation and are used for circulating clean nonaggressive fluids.

## ● Mode of Performance Drawing



## ● Applications

- Water Supply Systems
- Water Circulation/Transfer
- Hot Water Circulation
- Agriculture
- General Industry
- Ship Building
- Cooling Towers



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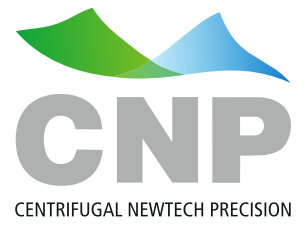
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# VTP Series

Vertical Turbine Pump



## ● Technical Data

- Flow Range : Minimum to Maximum  
100 LPM to 12000 LPM (Radial / Mix flow as per requirement)
- Head Range : Upto 200 meters
- Design : Standard design as per compliance to **IS 1710** Specification.  
(Water Lubricated/Oil Lubricated as per requirement)
- Max Sum Depth : Upto 90 meters

## ● Features

- Study Design
- Easy replacement of worn out sleeves due to sleeves threaded version.
- Smooth running for extended suspension length - upto 90 meters
- Unique Stuffing Box - Leak proof design.
- Taper Collect with nuts for easy assembly & removal of Impellers for maintenance.
- Easy installation through base plate.
- Non-reversible ratchet arrangement is provided in either VT Pump or in prime mover like VHS motor or VHS right angle gear box.
- Standard discharge outlet flange is drilled as per IS 1538. Optional can be as per demand.

## ● Standard MOC

Bowls & Casing	Cast Iron GR : FG-200 of IS: 210 or superior Grade on request
Impellers	Bronze GR : LTB-2 of IS: 318 or Stainless Steel GR :CA-15 (AISI-410) (can also supply: Stainless Steel GR : CF8 (AISI-304) or CF8M (AISI-316))
Pump or Impeller shaft	Stainless Steel GR: 410 or superior like 416 or 420
Line shaft	Carbon Steel GR : EN-8 or superior like C45 or EN-9 and Stainless Steel 410 or superior like 416 or 420
Casing wear rings (provided in Bowls)	Bronze GR : LTB-2 of IS: 318 or Stainless Steel GR :CA-15 (AISI-410)
Column pipes (Flange end for 100 mm & above column size)	MS, ERW, ISI mark, Heavy class to IS:1239 up to 150 mm size and 5.2 mm thickness mark & above to IS: 3589 for 200 mm & above
Shaft enclosing inner Casing tube (For Oil Lubricating VT Pump only)	Nitrile Rubber for Self water Lubricating VT Pump and Bronze GR: LTB-2 of IS: 318 for Oil Lubricating VT Pump only
Bearing sleeves ( for W/L VT Pumps)	Stainless Steel GR: 410 or superior like 416 or 420
Foundation base plate	MS Fabricated
Suction Strainer	Zinc coated Steel
Discharge Head	Cast Iron or MS up to 250 mm & MS fabricated for 300 mm & above

**Note:** Our VTP Pumps can be supplied with Vertical Hollow Shaft (VHS) motor / Vertical Solid Shaft (VSS) motor / VHS Gear Drive alongwith Diesel Engine.



**CNP PUMPS INDIA PVT. LTD.**

### Head office :

Plot No. B-5, 502, Sambhav IT Park,  
TJSB House, Behind APLAB Co.,  
Wagle Ind. Estate, MIDC,  
Thane - 400604 India.  
**Tel.:** 022 - 2582 8400  
**Website :** www.cnpindia.com

### Sales Enquiry :

**E-mail :** sales@cnpindia.com  
**Mob. No. :** 9167226982 / 9920993097  
**Service Centre :**  
**E-mail :** service@cnpindia.com  
**Mob. No. :** 9930994057 / 9820984062  
9167226991

### Factory : BHIWANDI

**Branches :** AHMEDABAD | BENGALURU  
BHUBANESWAR | CHANDIGARH | CHENNAI  
COIMBATORE | DELHI | GOA | HYDERABAD  
INDORE | JAIPUR | KOLHAPUR | KOLKATA  
MUMBAI | PUNE | SURAT | VADODARA



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# ZS Series

Horizontal Single-Stage Centrifugal Pump



### ● Technical Data

- Flow range (Q) : 3.0 ~ 200.0 M<sup>3</sup>/hr
- Delivery Head : Max. 7.0 Bar
- Liquid temperature : -20°C ~ +100°C
- MOC : Stainless Steel 304  
Stainless Steel 316

### ● Features

- Light weight & sturdy structure
- Energy efficient

### ● Performance Scope

### ● Applications

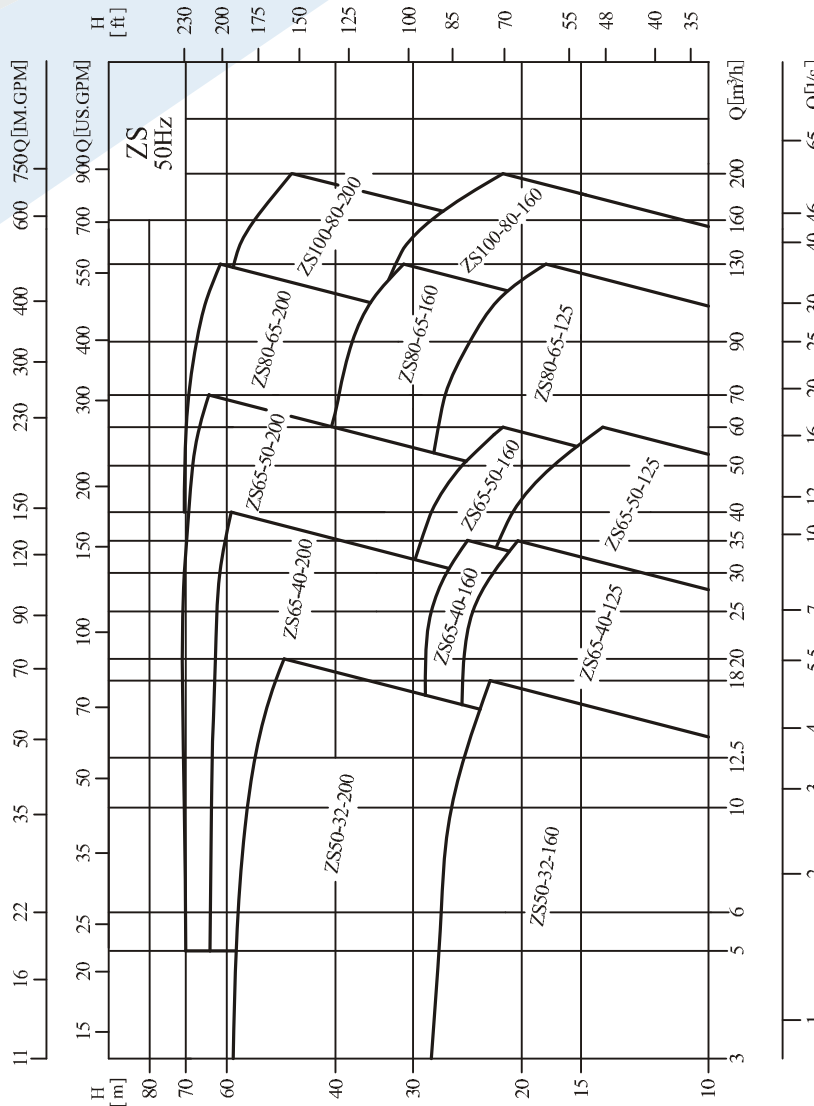
- Water Supply
- Industrial Liquid transfer
- Water treatment filtration
- Slightly corrosive chemical transfer

### ● Motor

- TEFC motor, 2-pole
- Protection class : IP 55
- Insulation class : F
- Standard voltage:  
50Hz: 1 x 220V  
3 x 380V



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**kalasanati.com**  
**Training, Selecting, Purchasing**

**info@kalasanati.com**  
**Tel: 02191004647**

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