

Vertical In-line Pump

Type LPDC

APPLICATIONS

- Water supply
- Drainage & Irrigation
- Booster pumps
- Air-conditioning
- Hot and cold water supply
- Water circulation
- Swimming pool
- Industrial use

FEATURES / BENEFITS

- Light weight, compact construction with vertical in-line design, thus save space during installation.
- Easy removal and maintenance, VPO (vertical pull out) system allows all rotating elements, to be removed without disconnecting suction and discharge pipe work.
- Shaft seal use mechanical seal type to ensure no leakage during pumping operation
- No alignment required.

PRODUCT SPECIFICATIONS

- Capacity : 3 to 1320 m³/hr
- Total Head : 4 to 100m
- Working Pressure : 10bar, 16bar available
- Suction/Discharge size : 50-250mm
- Speed : 2P:2900 min⁻¹
4P:1450 min⁻¹

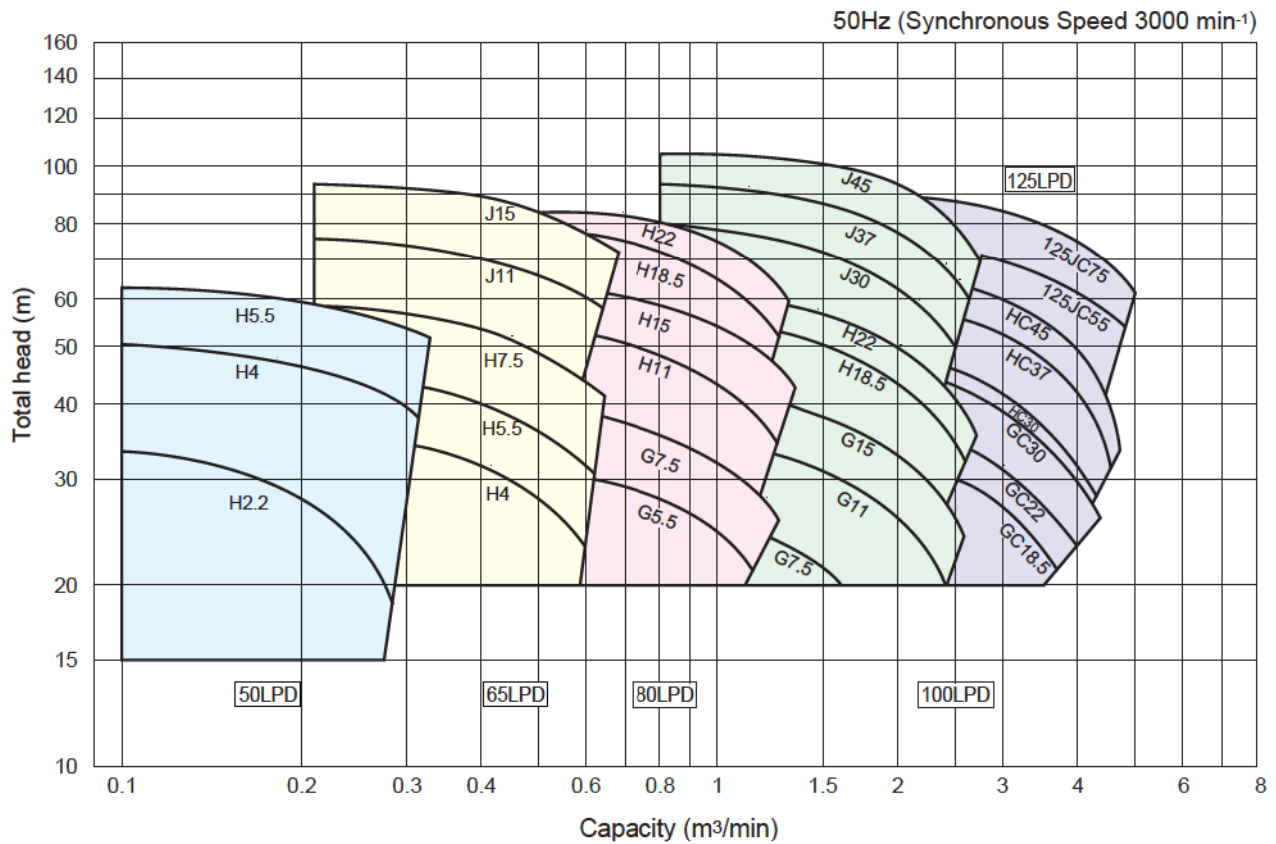
MATERIALS

- Casing : FC & FCD
- Impeller : Bronze as standard
SCS13 or SCS14 available as option
- Shaft : Stainless steel
- Seal : Mechanical seal

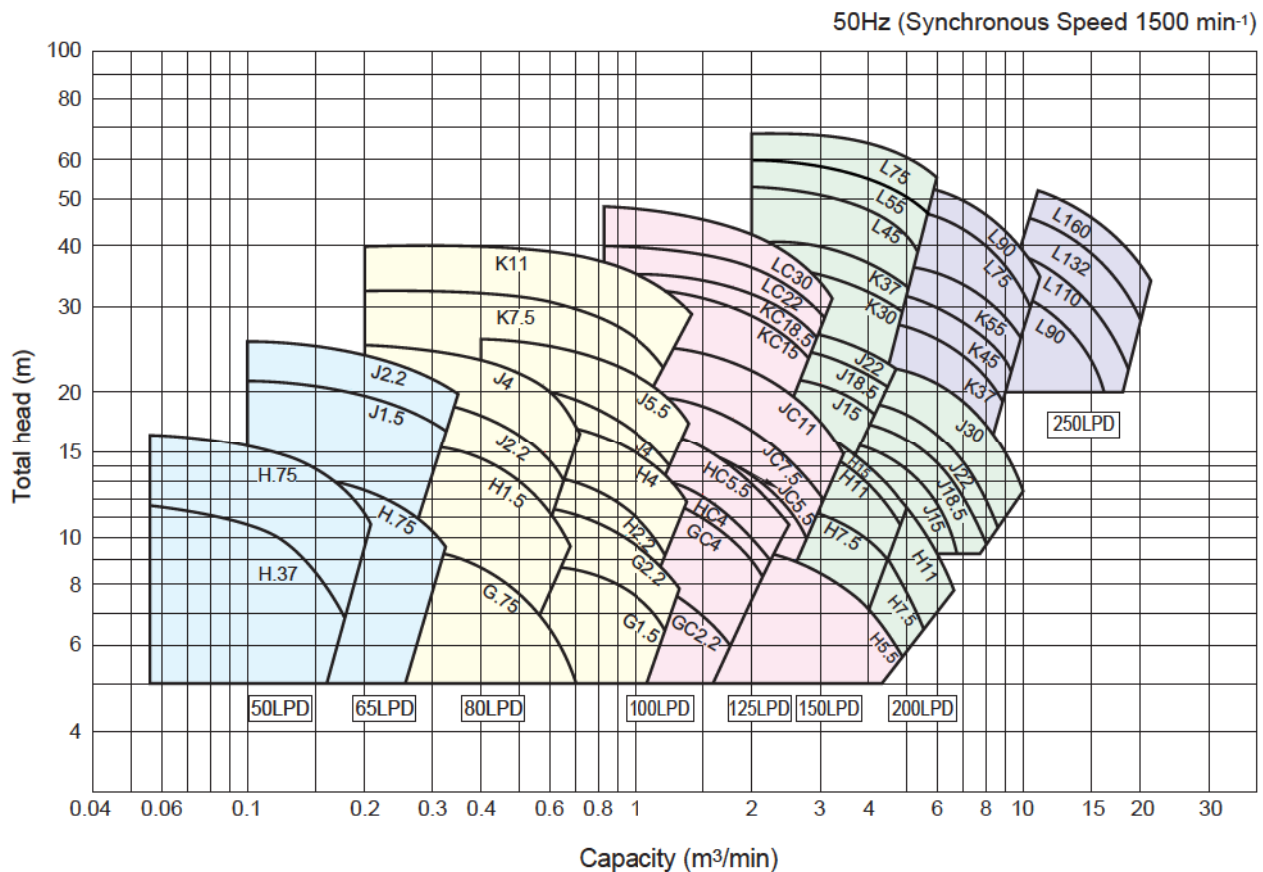


PERFORMANCE CHART

2 Poles



4 Poles



PRODUCT CODE/IDENTIFICATION

50	LPD	4	H	C	5	.4	H	
								Max. Working Pressure
								~ 16 bar version: H
								~ 10 bar version : -
								Output in kW
								Frequency : 5 : 50 Hz
								Pump Type : C
								Impeller Code
								Poles
								Model
								Suction & discharge diameter (mm)

SPECIFICATIONS

Pump Unit

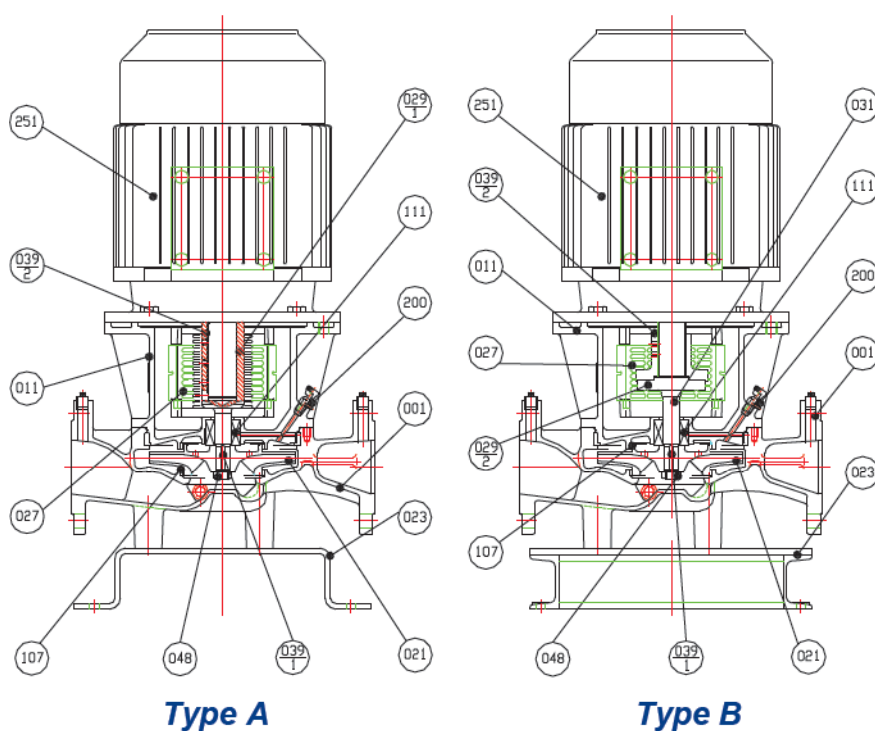
		Standard		Optional
Working Pressure (Type)		10bar	16bar	
Liquid handled	Type of liquid	Fresh water (PH : 5.8-8.6)		
	Liquid temperature	0-80°C		High temperature available on request
Max. Working pressure		10bar	16bar	
Construction	Pump type	Inline		
	Impeller	Close type		
	Shaft Seal	Mechanical seal		
	Sealing	Self flushing type		
Material	Casing *	Cast Iron	Ductile cast Iron (FCD)	FCD
	Impeller	Bronze		SCS13, SCS14
	Mechanical seal	Ceramic/ Carbon/ NBR		
	Shaft	SUS 304 SS		
Flanges	Suction	DIN PN-10	DIN PN-16	
	Discharge	DIN PN-10	DIN PN-16	

* 100mm & below : FC
125mm & above : FCD

Motor

No. of poles	2 Pole	4 Pole
Synchronous speed	3000min ⁻¹	1500min ⁻¹
Number of phases	3 Phase	
Voltage	50Hz 415v±10%	
Type	Totally enclosed fan cooled (indoor)	
Protection degree	IP insulated	
Variable frequency operation	Suitable for 30-50 Hz operation	

SECTIONAL VIEW



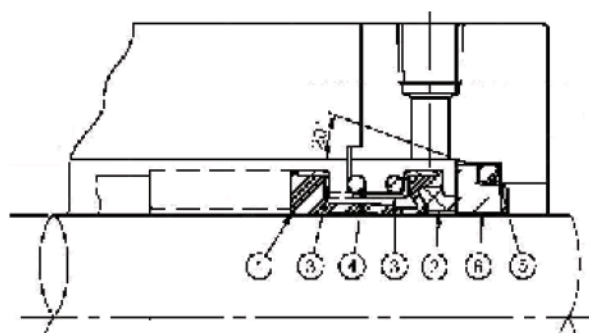
Part No.	Part model	Material		Qty
		10bar	16bar	
001	Casing	FC	FCD *(1)	1
251	Electric motor			1
200	Air vent valve	Brass		1
111	Seal	Ceramic/Carbon/ NBR		1
107	Liner ring	BC6		2
048	Impeller Nut	Brass		1
039-2	Key	Carbon steel		1
039-1	Key	SS403		1
031	Shaft	SS403		1
029-2	Coupling *(3)	HT200		1
029-1	Extension of shaft *(3)	Stainless steel		1
027	Connection frame protection cover	Stainless steel		2
023	Base *(2)	Carbon steel		1
021	Impeller	Bronze (SS available as option)		1
011	Frame	Cast Iron		1

* 1) For 16 bar model, diameter below 100mm are made of FC, while diameter 100mm and above are made of FCD.

2) Pump with diameter below 125mm use stamping base (see type A), while 125mm and above use channel steel base plate (see type B).

3) For pump diameter below 200mm, the shaft coupling between motor and pump use extended shaft; for 200 LPDC and 250 LPDC use rigidity direct coupling.

MECHANICAL SEAL SECTIONAL VIEW



Part No.	Part model	Material	Quantity/set
1	bellows	NBR	1
2	rotating ring	Graphite	1
3	drive ring	NBR	1
4	spring	SS316	1
5	L pad	NBR	1
6	Static ring	Ceramic	1

* Dimensional details are provided for reference only.

* All specifications are subject to change without prior notice.



Authorised dealer: