

reliability is out target

**PAN WORLD
SEALLESS MAGNETIC
DRIVEN PUMP**

PW-XJ Series(Seal less)



PAN WORLD CO., LTD.

■ The most advanced pump has progressed next step

FLANGE

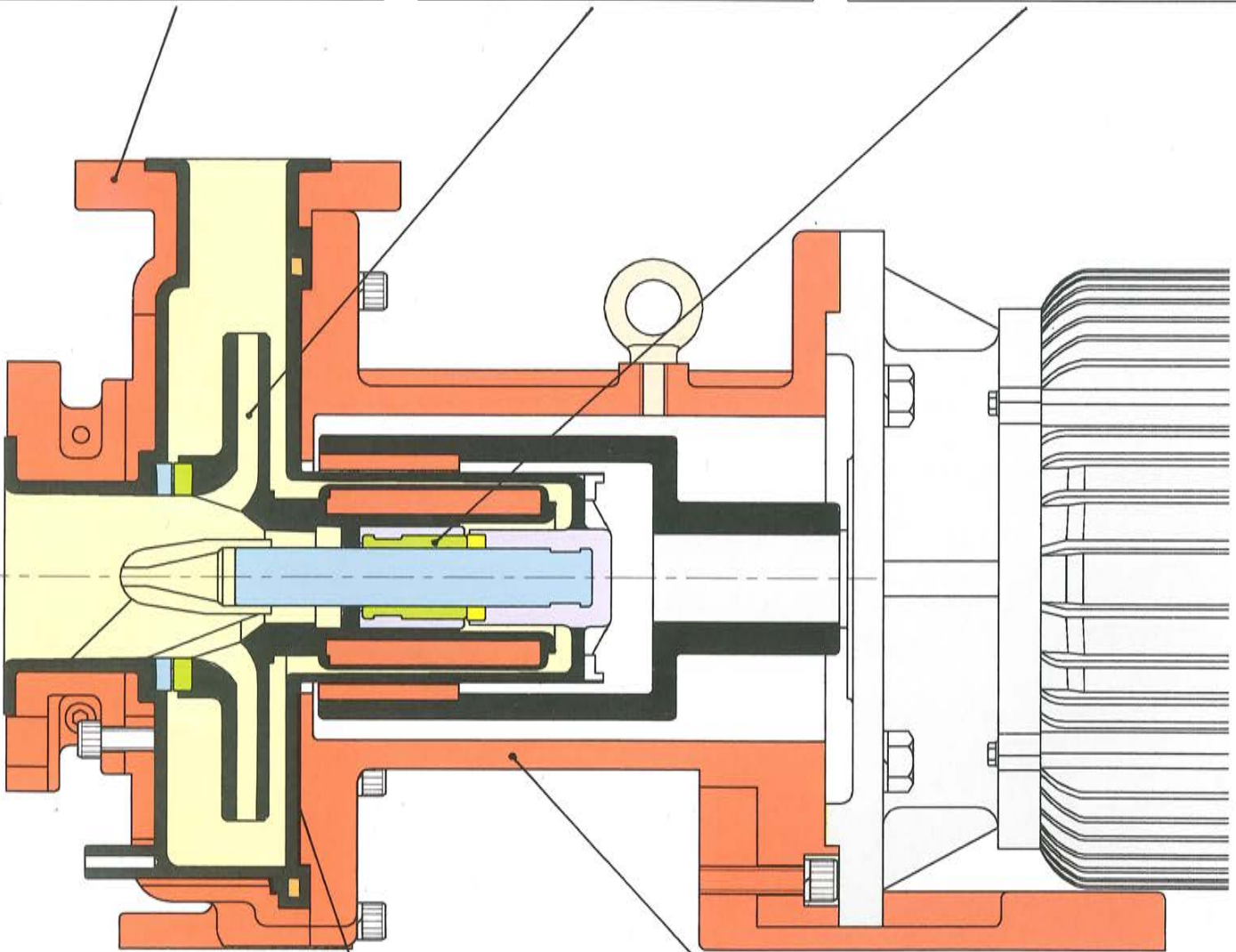
The bolt hole of flange is in compliance with ISO, DIN, JIS, ANSI, CNS 16Bar.

IMPELLER VANE

Impeller with shroud is applied reinforcement structure to prevent deformation and to ensure high torque transmission.

RADIAL BEARING

* High density carbon, SiC are standardized, which is common parts of another series.
* Over 20,000Hr life is comformed through accomplishment.



REAR CASING

* 2 ply fiber reinforcement is applied it's exterior to minimize eddy current loss.
* For optional parts, metallic cover is also available.

*Close impeller and Semi-open impeller for Slurry application.
*Heat Jacket model
*Dry protector
*Self-priming chamber

Many optional parts are available through long accomplishment.

■ Features

- * 20,000Hr life expectancy of bearing
- * Zero leakage
- * Many combination of abrasion parts, O rings is available to reply market demand.
- * High chemical resistance
- * Built in safety

The radial bearing is unitid for one parts. Therefore easy replacement is available.

- * Excellent alignment

Whole abrasion parts such as spindle, bearing, mouth ring, thrust pad are molded into plastic part body on injection process. Therefore original alignment among relative parts is always kept before/and after disassemble-reassemble process.

- * Pull-out back construction.

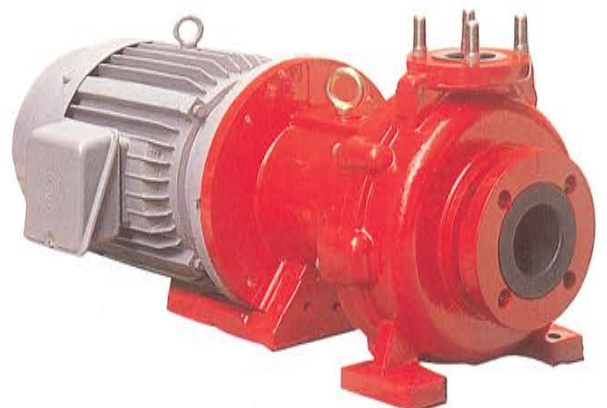
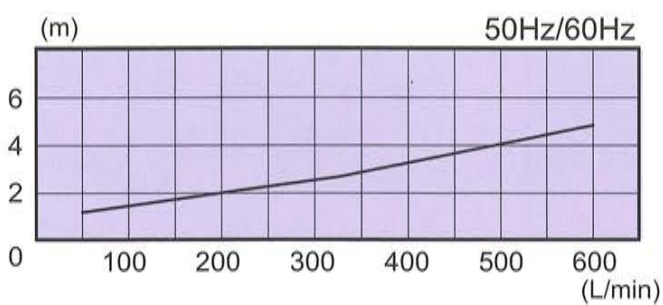
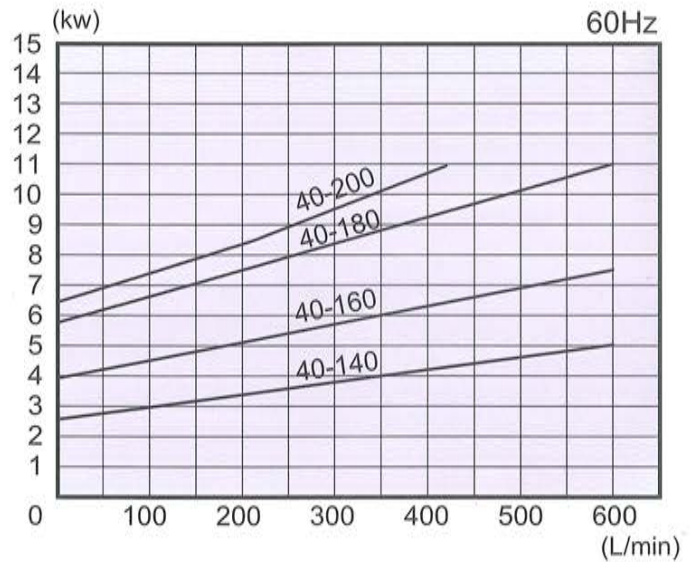
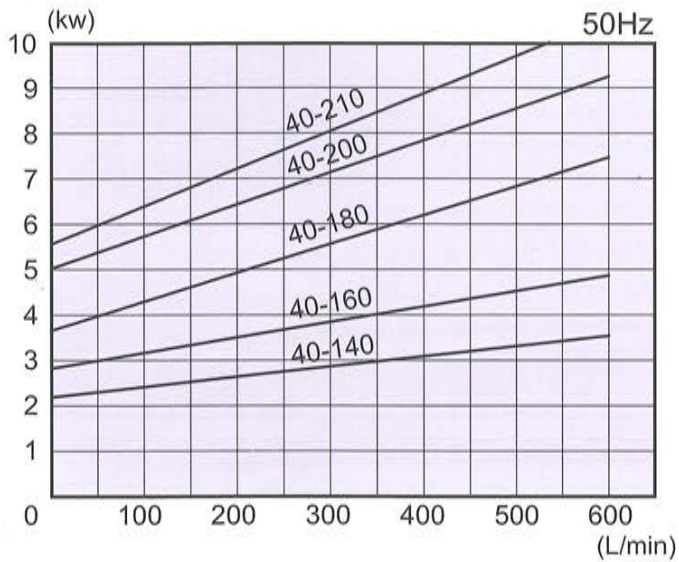
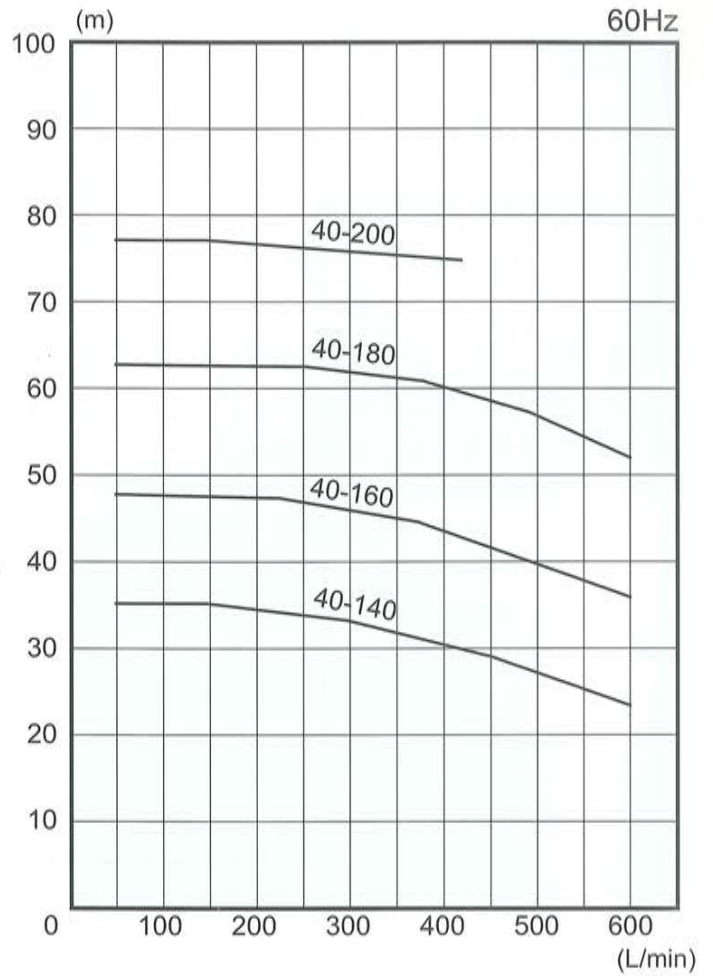
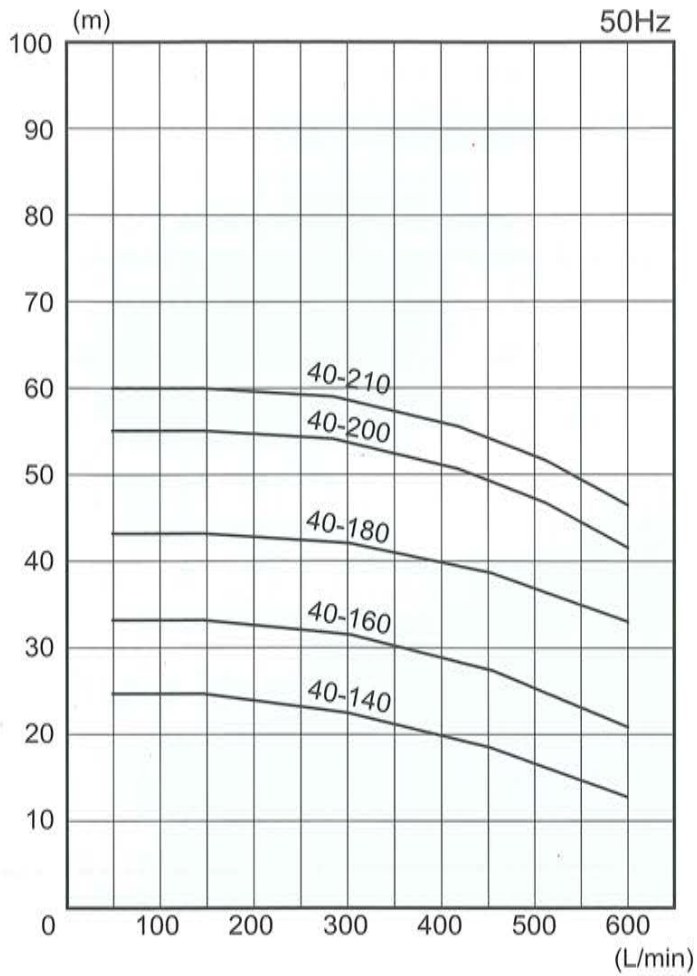
- * Special impeller design

In order to maintain original high performance under chemical or high temperature operation, auxiliary vanes are installed in impeller inside.

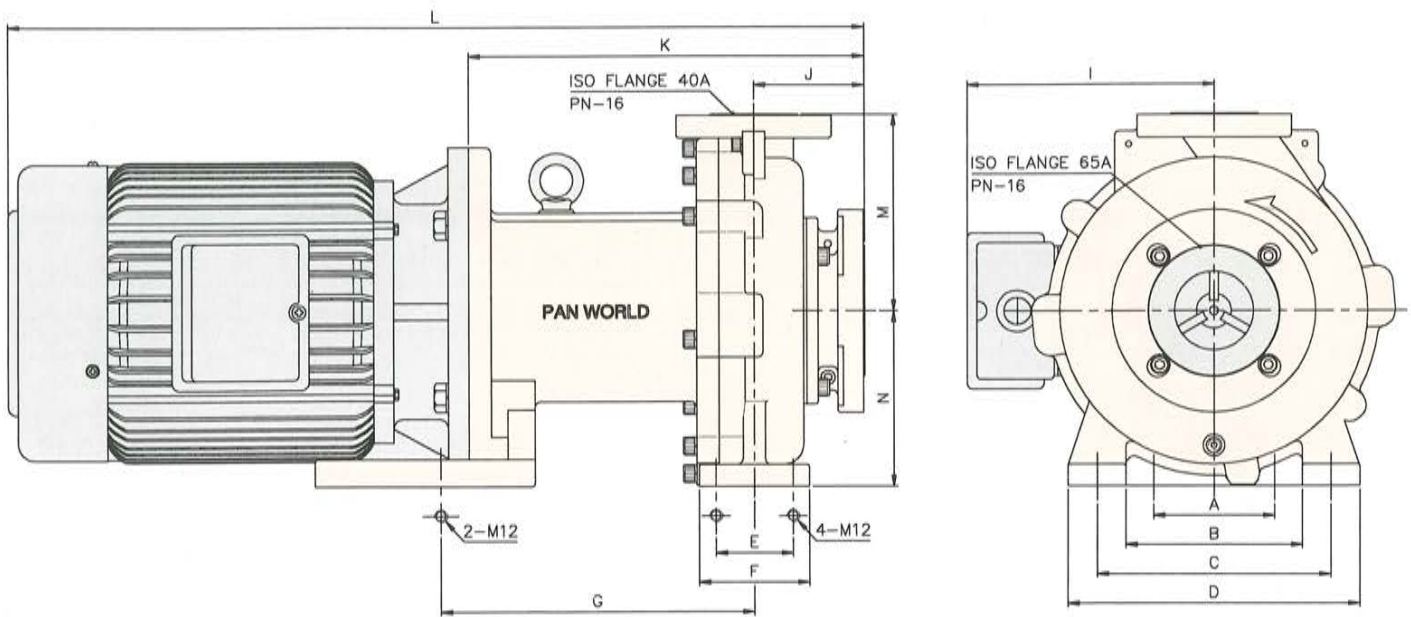
■ Performance list

Type	Flange size	Duty point 50/60Hz	Max point 50/60Hz	Power kW
	Outlet x Inlet	m at L/min	m - L/min	requirement
NH-40-140PW-XJ	ISO-16Bar 40A × 65A	20 at 417/31 at 417	25 - 600 / 36 - 600	3.5 / 5.0
160PW-XJ		29 at 417/44 at 417	34 - 600 / 48 - 600	4.9 / 7.5
180PW-XJ		40 at 417/60 at 417	44 - 600 / 63 - 600	7.5 / 11.0
200PW-XJ		51 at 417/75 at 417	55 - 600 / 77 - 600	9.3 / 13.5
210PW-XJ		53 at 417/ -----	60 - 600 / -----	10.5 / --

■ Performance curve

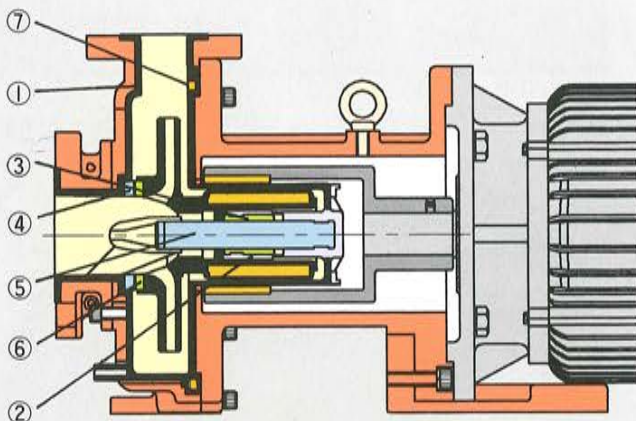


■ Installation dimension



Type	A	B	C	D	E	F	G	I	J	K	L	M	N
NH-40-140PW-JX(5.5LKW)	110	160	212	265	70	100	285	209	100	359	690	180	160
NH-40-160PW-JX(7.5KW)	110	160	212	265	70	100	285	209	100	359	722	180	160
NH-40-180PW-JX(7.5KW)	110	160	212	265	70	100	285	209	100	359	760	180	160
NH-40-200PW-JX(11KW)	110	160	212	265	70	100	370	265	100	389	875	180	185
NH-40-210PW-JX(11KW)	110	160	212	265	70	100	370	265	100	389	875	100	185

■ Parts list



Type	PW-XJ Series			
Material mark	FV	RV	AV	Si
1. Casing	Carbon fiber reinforced ETFE			
2. Holder				
3. Bearing	High density carbon	PTFE based resin	Alumina	Sic ceramic
4. Thrust ring	High purity ceramic			
5. Spindle				
6. Mouth ring	PTFE based resin			
7. O ring	Special compounded FKM			
8. Cover	FCD-40			

■ Allowable S.G. and required motor output

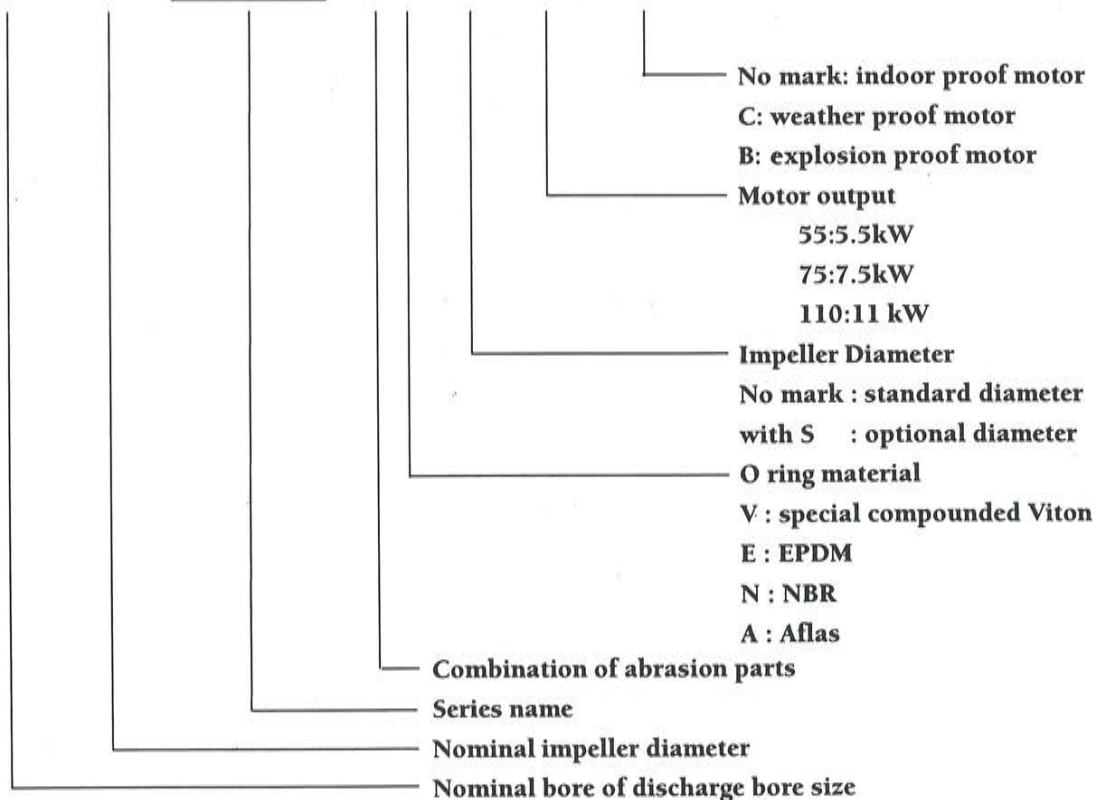
Type	S.G.:1.0	S.G.:1.2	S.G.:1.5	S.G.:1.9
NH-40-140PW-XJ-□□-□-55-□	5.5 kW	5.5 kW	7.5 kW	11 kW
NH-40-160PW-XJ-□□-□-75-□	7.5 kW	7.5 kW	11 kW	*11 kW
NH-40-180PW-XJ-□□-□-75-□	7.5 kW	11 kW	11 kW	*11 kW
NH-40-200PW-XJ-□□-□-110-□	11 kW	11 kW	*11 kW	*11 kW
NH-40-210PW-XJ-□□-□-110-□	11 kW	11 kW	*11 kW	*11 kW

Note: 1. Pump model with * mark is required trimming impeller diameter according specific gravity, viscosity and applicable motor.

2. In case of pump performance curve at 60Hz according each Specific, diameter of impeller should be trimmed.

■ Pump identification

NH - 40 - 200 P W - XJ - FV - S - 110 - C



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