

PE(2) In Line Centrifugal Pump

2 pole



Applications

- Cold and hot water circulation
 - Industry
 - Setting for machinery equipment
- (Please inquire in case drinking water application)

Features

- Strong against deterioration of bearing and insulation due to TEFC motor
- Long life and strong against leakage due to adoption of high quality mechanical seal which can stand antifreeze
- No rusting and easy maintenance because of rust proof materials (such as stainless steel for impeller, bolts and nuts) are used

Standard accessories

Companion flange

Maximum suction head (20°C)

Bore 20mm~ 65mm	-6m
Bore 80mm	50Hz : -5.5m 60Hz : -3m

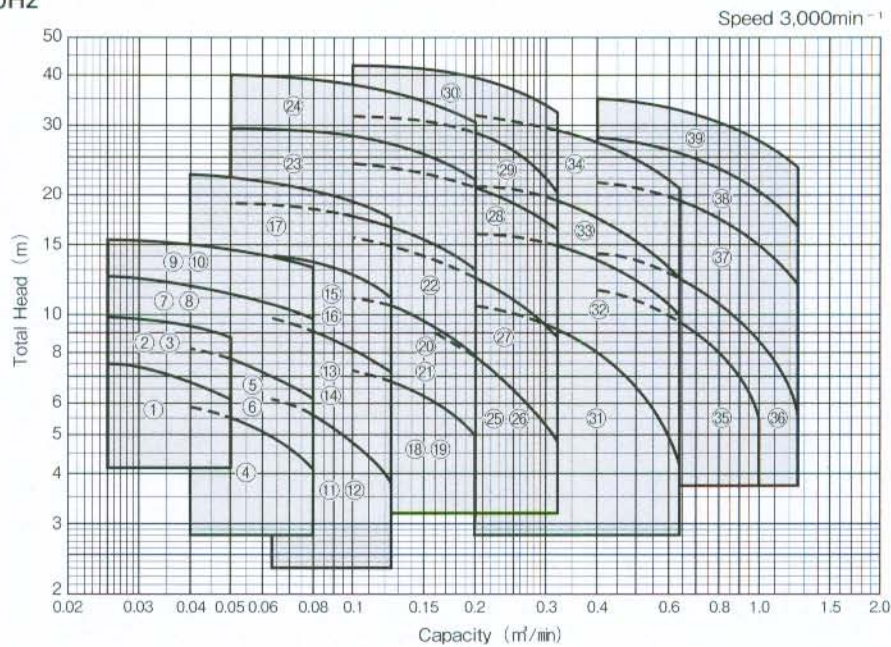
Standard specifications

- Liquid: Clean water 0 ~ 90°C (Max 100°C)
- Materials: Impeller SCS13
Shaft SUS304 (portion contacting liquid), Casing FC
- Construction: Impeller : Close
Shaft sealing : Mechanical seal (SiC x Carbon)
Bearing : Sealed ball bearing
- Installation: Indoor or outdoor
- Motor: TEFC outdoor
- Flange: Special flange (below bore 25mm models)
JIS10K thin type (over bore 32mm)

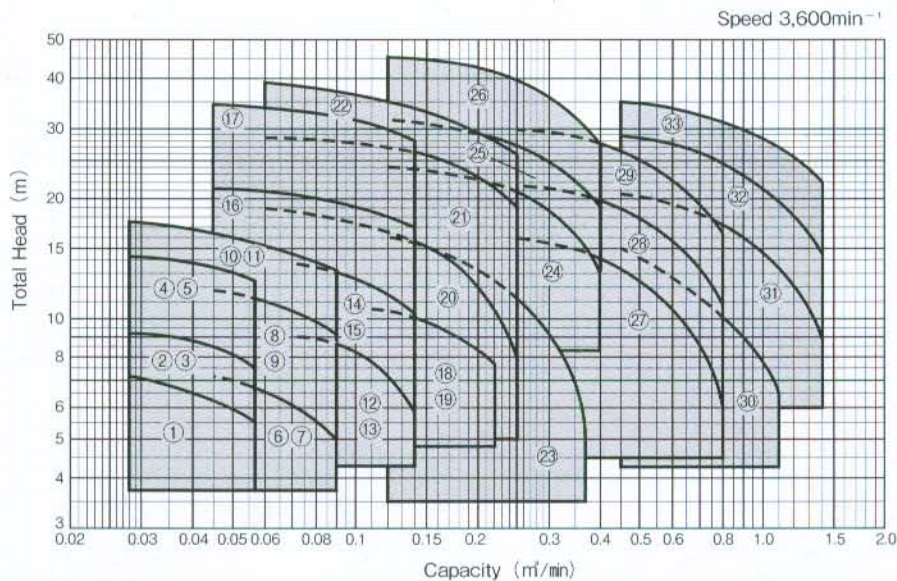
Maximum back pressure

Below 0.15kw	$0.5 - \left(\frac{0.098 \times \text{Total head at zero flow}}{10} \right)$ MPa	$\left\{ 5.1 - \frac{\text{Total head at zero flow}}{10} \right\}$ kgf/cm ²
Above 0.25kw	$0.7 - \left(\frac{0.098 \times \text{Total head at zero flow}}{10} \right)$ MPa	$\left\{ 7.1 - \frac{\text{Total head at zero flow}}{10} \right\}$ kgf/cm ²

Selection chart 50Hz



Selection chart 60Hz



Standard End Suction
In Line
Sealless Magnet Coupling
Stainless Steel
Self-Priming
Accessories

PE(2)

■ Specification & outline dimension table Inquire specification sheets and drawings in case of actual work planning

Hz	Bore mm	Ref No.	Model	Motor kW	Performance				
					Capacity m ³ /min	Head m	Capacity m ³ /min	Head m	
50	20	1	PE2-205-0.1S	0.1	0.025	7.5	0.05	6.2	
		2	PE2-205-0.15S	0.15	0.025	9.8	0.05	8.8	
		3	PE2-205-0.15T	0.15	0.025	9.8	0.05	8.8	
	25	4	PE2-255-0.1S	0.1	0.04	5.8	0.08	4.2	
		5	PE2-255-0.15S	0.15	0.04	8.2	0.08	6.2	
		6	PE2-255-0.15T	0.15	0.04	8.2	0.08	6.2	
		7	PE2-255-0.25S	0.25	0.025	12.5	0.08	9.8	
	40	8	PE2-255-0.25T	0.25	0.025	12.5	0.08	9.8	
		9	PE2-255-0.4S	0.4	0.025	15.5	0.08	13.2	
		10	PE2-255-0.4T	0.4	0.025	15.5	0.08	13.2	
		32	11	PE2-325-0.15S	0.15	0.063	6.2	0.125	3.8
			12	PE2-325-0.15T	0.15	0.063	6.2	0.125	3.8
			13	PE2-325-0.25S	0.25	0.063	9.8	0.125	7.2
			14	PE2-325-0.25T	0.25	0.063	9.8	0.125	7.2
		50	15	PE2-325-0.4S	0.4	0.063	14	0.125	11
			16	PE2-325-0.4T	0.4	0.063	14	0.125	11
			17	PE-325-0.75	0.75	0.04	22.5	0.125	17.5
18	PE2-405-0.25S		0.25	0.1	7.2	0.2	5.0		
65	19	PE2-405-0.25T	0.25	0.1	7.2	0.2	5.0		
	20	PE2-405-0.4S	0.4	0.1	11.0	0.2	7.8		
	21	PE2-405-0.4T	0.4	0.1	11.0	0.2	7.8		
	22	PE-405-0.75	0.75	0.05	19	0.2	13		
	23	PE-405-1.5	1.5	0.05	29.8	0.2	22		
	24	PE-405-2.2	2.2	0.05	40	0.2	30.5		
80	25	PE2-505-0.4S	0.4	0.16	9	0.32	4.8		
	26	PE2-505-0.4T	0.4	0.16	9	0.32	4.8		
	27	PE-505-0.75	0.75	0.1	15.8	0.32	8.5		
	28	PE-505-1.5	1.5	0.1	24.5	0.32	16.5		
	29	PE-505-2.2	2.2	0.1	31.5	0.32	20.5		
	30	PE-505-3.7	3.7	0.1	42.5	0.32	32.5		
60	20	31	PE-655-0.75	0.75	0.2	10.5	0.63	4.2	
		32	PE-655-1.5	1.5	0.2	16	0.63	10	
		33	PE-655-2.2	2.2	0.2	21	0.63	12.5	
	25	34	PE-655-3.7	3.7	0.2	31.8	0.63	20.5	
		35	PE-805-1.5	1.5	0.4	11.5	1.0	5.5	
		36	PE-805-2.2	2.2	0.4	14.2	1.25	5.5	
	40	37	PE-805-3.7	3.7	0.4	21.5	1.25	11.8	
		38	PE-805-5.5	5.5	0.4	28	1.25	16.5	
		39	PE-805-7.5	7.5	0.4	35	1.25	23.8	

- Antifreezer such as Nybrine Z-1, GD brine 950 and Showbrine PP super of 30 ~ 50% and 0 ~ 90°C can be used for this mechanical seal.
- PE2-S models are with single phase 100V motor.

■ Outline dimension drawing

Refer to P24, 25.

Hz	Bore mm	Ref No.	Model	Motor kW	Performance			
					Capacity m ³ /min	Head m	Capacity m ³ /min	Head m
50	20	1	PE2-206-0.1S	0.1	0.028	7.2	0.056	5.5
		2	PE2-206-0.15S	0.15	0.028	9.2	0.056	7.5
		3	PE2-206-0.15T	0.15	0.028	9.2	0.056	7.5
		4	PE2-206-0.25S	0.25	0.028	14.2	0.056	12.5
		5	PE2-206-0.25T	0.25	0.028	14.2	0.056	12.5
	25	6	PE2-256-0.15S	0.15	0.045	7.2	0.09	5
		7	PE2-256-0.15T	0.15	0.045	7.2	0.09	5
		8	PE2-256-0.25S	0.25	0.045	11.8	0.09	9.2
		9	PE2-256-0.25T	0.25	0.045	11.8	0.09	9.2
		10	PE2-256-0.4S	0.4	0.028	17.5	0.09	13.2
		11	PE2-256-0.4T	0.4	0.028	17.5	0.09	13.2
	32	12	PE2-326-0.25S	0.25	0.071	9	0.14	6.2
		13	PE2-326-0.25T	0.25	0.071	9	0.14	6.2
		14	PE2-326-0.4S	0.4	0.071	14	0.14	10.2
		15	PE2-326-0.4T	0.4	0.071	14	0.14	10.2
		16	PE-326-0.75	0.75	0.045	21.8	0.14	17
		17	PE-326-1.5	1.5	0.045	34	0.14	28
40	18	PE2-406-0.4S	0.4	0.11	10.5	0.22	7.8	
	19	PE2-406-0.4T	0.4	0.11	10.5	0.22	7.8	
	20	PE-406-0.75	0.75	0.06	19	0.25	8	
	21	PE-406-1.5	1.5	0.06	28.5	0.25	19	
	22	PE-406-2.2	2.2	0.06	39	0.25	26	
	50	23	PE-506-0.75	0.75	0.12	16.5	0.36	5.2
24		PE-506-1.5	1.5	0.12	24	0.4	13	
25		PE-506-2.2	2.2	0.12	31.5	0.4	19	
26		PE-506-3.7	3.7	0.12	45	0.4	27.5	
65	27	PE-656-1.5	1.5	0.25	15.8	0.8	6	
	28	PE-656-2.2	2.2	0.25	21.5	0.8	11	
	29	PE-656-3.7	3.7	0.25	29.5	0.8	16.5	
80	30	PE-806-2.2	2.2	0.45	15	1.1	6.5	
	31	PE-806-3.7	3.7	0.45	20.5	1.4	8.8	
	32	PE-806-5.5	5.5	0.45	29	1.4	14.5	
	33	PE-806-7.5	7.5	0.45	35.0	1.4	22.0	