

**SUS 304 Food
Grade Material**



**High Efficiency
Motor**



**Industry
Grade**



**Quiet
Operation**



**Heavy
Duty**



PSW Series

Horizontal Multistage Stainless Steel Pump

For household water pressure boosting and
building with low noise design



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Reliability Driven by Innovation

PSW Series

Horizontal Multistage Stainless Steel Pump



INTRODUCTION

- Suitable for transferring clean water which are non-aggressive to SUS 304.
- Single & Twin are available to suit different industries.

APPLICATION

- Water supply systems: Pressure boiler feeding: Pure water treating systems: Pharmaceutical & Food stuff: Refining chemical industries: washing and sprinkling.

MATERIALS

- Mechanical Seal: Carbon/Sic/ EPDM/ (Viton on request)
- Impeller: SUS304
- Shaft: SUS304
- Pump Casing: SUS304
- Bracket and Motor Casing material: Aluminium

TECHNICAL DATA

- Maximum working pressure: 8 bar
- Liquid Temperature: $-15^{\circ}\text{C} \sim +80^{\circ}\text{C}$
- Optional Viton seal ($-20^{\circ}\text{C} \sim +110^{\circ}\text{C}$) with PC controller: $+60$

MOTOR

- 2 Pole induction motor, continuous duty, TEFC, Class F, IP55.
- Single phase: 240V/1ph/50Hz (with thermal protection)
- Three phase: 415V/3ph/50Hz
- Ambient temperature: $-15^{\circ}\text{C} \sim +40^{\circ}\text{C}$

ADVANTAGES

- Laser welded pump housing
- Energy Saving (IE2 Motor)
- NSK Ball Bearing (Made in Japan)
- Pump material SUS304 (Anti-rust)

SPECIFICATION

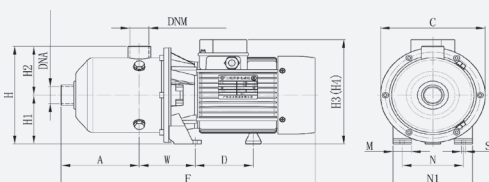
Model		Power		Q=capacity							
Single Phase 415V / 50HZ	Three Phase 415V / 50HZ	kW/HP	Max Suction (m)	M3/hr	0.5	1.0	1.5	2.0	2.5	3.0	3.5
				L/min	8.3	16.7	25	33.3	41.7	50	58.3
				Head(m)							
PSW-2-30/037	PSWT-2-30/037	0.37/0.5	8		26	25	24	22.5	21	19	16
PSW-2-40/055	PSWT-2-40/055	0.55/0.75	8		35	32.5	31	29.5	27.5	25.5	21
PSW-2-50/055	PSWT-2-50/055	0.55/0.75	8		44	41	39	36.5	34	31	26

Model		Power		Q=capacity							
Single Phase 415V / 50HZ	Three Phase 415V / 50HZ	kW/HP	Max Suction (m)	M3/hr	1.0	2.0	3.0	4.0	5.0	6.0	7.0
				L/min	16.7	33.3	50	66.7	83.3	100	116.7
				Head(m)							
PSW-4-40/075	PSWT-4-40/075	0.75/1.0	8		38	35	33.5	32	29.5	26.5	23
PSW-4-50/110	PSWT-4-50/110	1.1/1.5	8		45	44	42	39	35	29	25

Model		Power		Q=capacity							
Single Phase 415V / 50HZ	Three Phase 415V / 50HZ	kW/HP	Max Suction (m)	M3/hr	5.0	6.0	7.0	8.0	10.0	11.0	12.0
				L/min	83.3	100	116.7	133.3	166.7	183.3	200
				Head(m)							
PSW-8-40/150	PSWT-8-40/150	1.5 / 2.0	8		39	38	37	36	33	31	29
PSW-8-50/220	PSWT-8-50/220	2.2 / 3.0	8		49	48	46.5	45	41	39	36

Model		Power		Q=capacity							
Single Phase 415V / 50HZ	Three Phase 415V / 50HZ	kW/HP	Max Suction (m)	M3/hr	8.0	10.0	12.0	16.0	18.0	20.0	22.0
				L/min	133.3	166.7	200	266.7	300	333.3	366.7
				Head(m)							
-	PSWT-16-30/300	3.0 / 4.0	8		40.5	39.5	38.5	35	32.5	29.5	26

DIMENSION



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Model	Dimension (mm)															
	A	C	F	H	H1	H2	H3	H4	M	N	N1	S	W	D	DNA	DNM
PSW-2-30/037	76	170	400	176	88	88	180	180	30	100	130	7	91	92	G1"	G1"
PSW-2-40/055	130	170	454	176	88	88	180	180	30	100	130	7	91	92	G1"	G1"
PSW-2-50/055	759	170	454	176	88	88	180	180	30	100	130	7	91	92	G1"	G1"
PSW-4-40/075	130	170	454	176	88	88	180	180	30	100	130	7	91	92	G1 ^{1/2} "	G1"
PSW-4-50/110	120	160	454	176	88	88	210	210	30	100	130	7	85	100	G1 ^{1/2} "	G1"
PSW-8-40/150	178	222	535	245	120	125	260	230	39	140	180	9	112	95	G1 ^{1/2} "	G1 ^{1/2} "
PSW-8-50/220	178	222	505	245	120	125	268	230	39	140	180	9	112	95	G1 ^{1/2} "	G1 ^{1/2} "
PSWT-16-30/300	186	222	550	250	120	130	-	240	39	140	180	9	112	95	G2"	G2"