

PSW 2 & 4



WATER PUMP

PSW SERIES

This diagram shows the exploded view of a motor assembly. The components are numbered 1 through 26. The assembly includes a motor housing (1), a fan (2), a fan ring (3), a fan nut (4), a fan washer (5), a fan bolt (6), a fan nut (7), a fan washer (8), a fan ring (9), a fan nut (10), a fan washer (11), a fan ring (12), a fan nut (13), a fan washer (14), a fan ring (15), a fan nut (16), a fan washer (17), a fan ring (18), a fan nut (19), a fan washer (20), a fan ring (21), a fan nut (22), a fan washer (23), a fan ring (24), a fan nut (25), and a fan washer (26).



INTRODUCTION

- Premium stainless steel multistage horizontal pump. Compact, powerful & quiet operation. Using SUS304 stainless steel for hydraulic parts.
- Registered with SPAN complying to ISO 9906:2012 Grade 2B and certified by SIRIM.

Application

- Pumping of clean non-loaded fluids; pressurizing system; drinking and glycol water; water treatment; heating and air conditioning; washing system.

Materials :

- Mechanical Seal : NBR/Carbon/Ceramic (Viton Type Upon Request)
- Impeller : SUS 304
- Shaft : SUS 304
- Pump Casing : SUS 304
- Bracket and Motor Casing material : Aluminium
- Bearing : Made in Japan NSK Ball Bearing

Technical Data:

- Maximum working pressure: 8 bar.
- Liquid temperature: -15°C~+80°C (Standard mechanical seal).
- Optional Viton seal (-20°C~+110°C). With PC controller: +60°C.

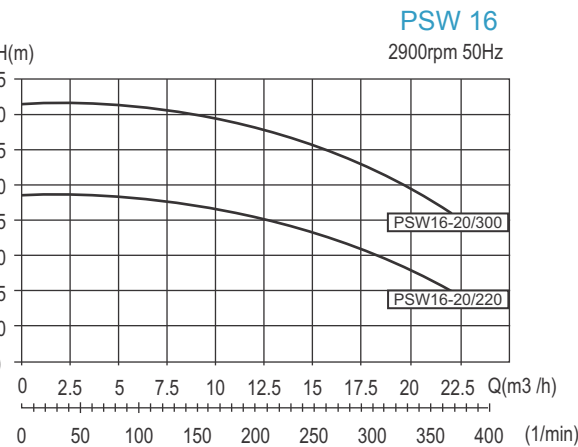
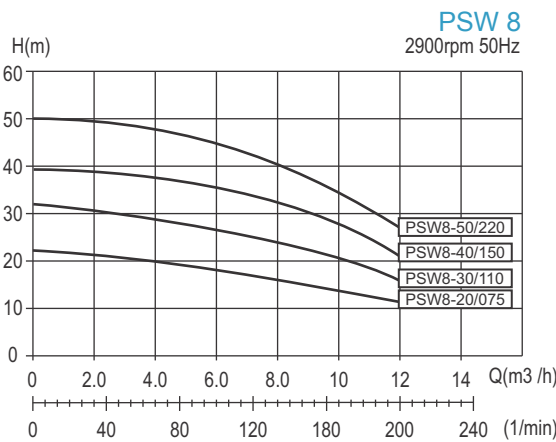
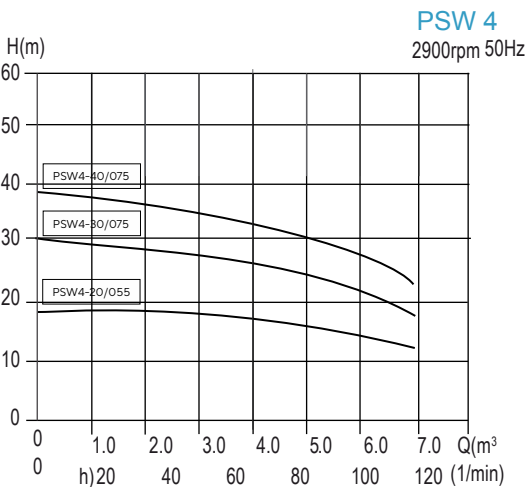
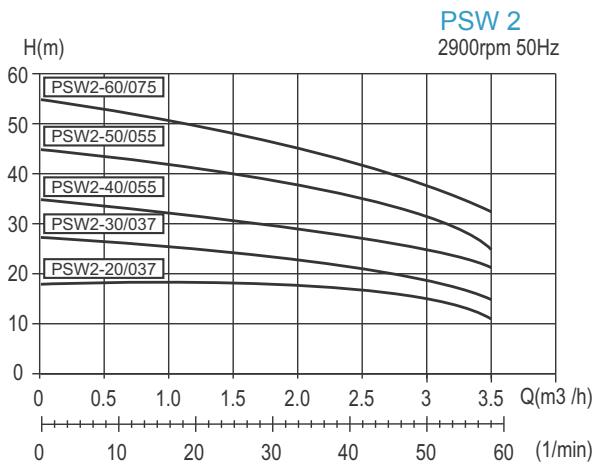
Motor : :

- 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°C~+40°C.

Additional :

- Quiet Operation
- Energy Saving (IE2 motor)
- NSK Ball Bearing (Made in Japan)
- Large Water Capacity
- Pump material SUS304 (Anti-rust)

Performance Curve



Performance Data

PSW 2

Model		Power			Capacity								2900rpm	
Single Phase 240V/50HZ	Three Phase △ 220V - Y415V/50HZ	KW	HP	Suction Head m	m³/h	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)									
PSW2-20/037	PSWI2-20/037	0.37	0.5	8.5		18	11	16	15	14	13	11		
PSW2-30/037	PSWT2-30/037	0.55	0.75	8.5		26	25	24	22.5	21	19	16		
PSW2-40/055	PSWT2-40/055	0.55	0.75	8.5		35	32.5	31	29.5	27.5	25.5	21		
PSW2-50/055	PSWT2-50/055	0.55	0.75	8.5		44	41	39	36.5	34	31	26		
PSW2-60/075	PSWT2-60/075	0.75	1.0	8.5		53	50	47	44	40	36	30		

PSW 8

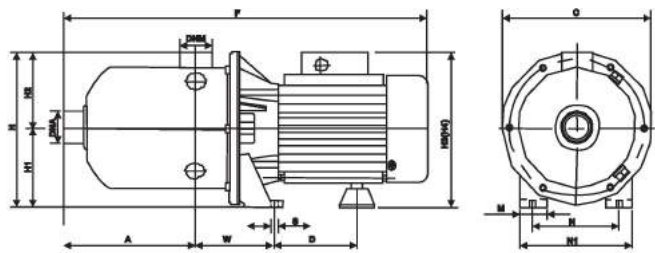
Model		Power		Capacity								2900rpm	
Single Phase 240V 50HZ	Three Phase 415V 50HZ	KW	HP	m³/h	5	6	7	8	9	10	11	12	
				1/min	83.3	100	116.7	133.3	150	166.7	183.3	200	
				Head(m)									
PSW8-20/075	PSWT8-20/075	0.75	1.0		20	19.5	18.5	18	17.5	16.5	15.5	14	
PSW8-30/110	PSWT8-30/110	1.1	1.5		29.5	29	28	27	26	24.5	23	21	
PSW8-40/150	PSWT8-40/150	1.5	2.0		39	38	37	36	35	33	31	29	
PSW8-50/220	PSWT8-50/220	2.2	3.0		49	48	46.5	45	43.5	41	39	36	

PSW 4

Model		Power				Capacity							2900rpm
Single Phase 240V 50HZ	Three Phase 415V 50HZ	KW	HP	Suction Head m	m³/h 1/min	1	2	3	4	5	6	7	
						16.7	33.3	50	66.7	83.3	100	116.7	
						Head(m)							
PSW4-20/055	PSWT4-20/055	0.55	0.75	8.0		18	17	16.5	15.5	14.5	13	11	
PSW4-30/075	PSWT4-30/075	0.75	1.0	8.0		27	26	25	24	22.5	20	17.5	
PSW4-40/075	PSWT4-40/075	0.75	1.0	8.0		38	35	33.5	32	29.5	26.5	23	

PSW 16

Model		Power			Capacity								2900rpm	
Single Phase 240V 50HZ	Three Phase 415V 50HZ	KW	HP	m³/h	8	10	12	14	16	18	20	22		
					133.3	166.7	200	233.3	266.7	300	333.3	366.7		
					Head(m)									
PSW16-20/220	PSWT16-20/220	2.2	3.0		27.5	26.5	25.5	24	23	20.5	18	15		
	PSWT16-30/300	3.0	4.0		40.5	39.5	38.5	37	35	32.5	29.5	26		

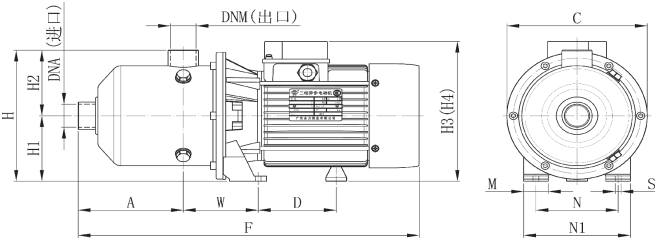


PSW 2 & 4

Model	Dimensions(mm)														
	A	C	F	H	H1	H2	*H3	*H4	M	N	NI	S	W	D	DNM
PSW2-20/037	76	170	400	176	88	88	180	180	30	100	130	7	91	92	G1"
PSW2-30/037	76	170	400	176	88	88	180	180	30	100	130	7	91	92	G1"
PSW2-40/055	130	170	454	176	88	88	180	180	30	100	130	7	91	92	G1"
PSW2-50/055	130	170	454	176	88	88	180	180	30	100	130	7	91	92	G1"
PSW2-60/055	130	170	454	176	88	88	180	180	30	100	130	7	91	92	G1"
PSW4-20/055	76	170	400	176	88	88	180	180	30	100	130	7	91	92	G1 1/4"
PSW4-30/075	130	170	454	176	88	88	180	180	30	100	130	7	91	92	G1 1/4"
PSW4-40/075	130	170	454	176	88	88	180	180	30	100	130	7	91	92	G1 1/4"

*H2 for motors on single phase
*H3 for motors on three phase

PSW 8 & 16



Model	Dimensions(mm)														
	A	C	F	H	H1	H2	*H3	*H4	M	N	NI	s	w	D	WEIGHT
PSW8-20/075	118	222	475	245	120	125	260	230	39	140	180	9	112	95	14.8
PSW8-30/110	118	222	475	245	120	125	260	230	39	140	180	9	112	95	17.6
PSW8-40/150	178	222	535	245	120	125	260	230	39	140	180	9	112	95	22
PSW8-50/220	178	222	550	245	120	125	268	240	39	140	180	9	112	95	24.5
PSW16-20/220	126	222	490	250	120	130	268	240	39	140	180	9	112	95	20
PSW16-20/220	178	222	550	250	120	130	-	240	39	140	180	9	112	95	25

*H2 for motors on single phase
*H3 for motors on three phase