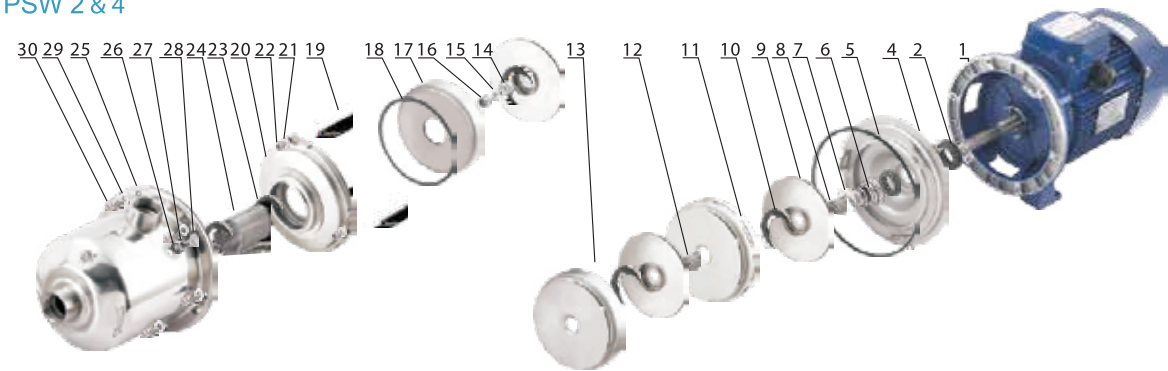


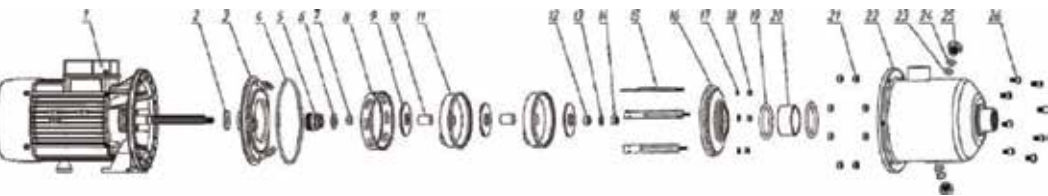
Exploded View

PSW 2 & 4



No.	Part Name	No.	Part Name	No.	Part Name	No.	Part Name	No.	Part Name
1	Motor	8	Shaft Sleeve IV	14	Shaft Sleeve I	20	Front Cover	21	O Ring
2	"V" Slinger	9	Impeller	15	Spring Washer	21	Gasket	22	"L" Washer
4	Back Cover	10	Neck Ring	16	Impeller Nut	22	Nut	23	Priming/Drain Bolt
5	O Ring	11	Diffuser Assembly IV	17	Diffuser Assembly I	23	O Ring	24	Plain Washer
6	Mechanical Seal	12	Shaft Sleeve III	18	Gasket	24	Inner Tube	25	Bolt
7	Mechanical Seal Plate	13	Diffuser Assembly III	19	Tension Bar	25	Casing		

PSW 8 & 16



No.	Part Name	No.	Part Name	No.	Part Name	No.	Part Name	No.	Part Name
1	Motor	7	Shaft Sleeve II	13	Spring Washer	19	O Ring	25	Priming/Drain Bolt
2	"V" Slinger	8	Diffuser Assembly III	14	Impeller Nut	20	Inner Tube	26	Bolt
3	Back Cover	9	Impeller	15	Tension Bar	21	Nut		
4	O Ring	10	Shaft Sleeve IV	16	Front Cover	22	Casing		
5	Mechanical Seal	11	Diffuser Assembly II	17	Gasket	23	O Ring		
6	Mechanical Seal Plate	12	Shaft Sleeve I	18	Nut	24	"L" Washer		

WATER PUMP

PSW SERIES



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AUTHORISED DEALER

PSW Series

Horizontal Multistage Stainless Steel water pump



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

Material

- Mechanical Seal: Carbon/Sic/EPDM/(Viton on request)
- Impeller: SUS 304
- Shaft: SUS 304
- Pump Casing: SUS 304
- Bracket and Moto Casing materil: Aluminium
- Bearing: Made in Japan NSK Ball Bearing

Technical Data

- Maximum working pressure: 8 bar
- Liquid temperature: -15°C ~ +80°C
- Optional Viton seal: (-15° ~ +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 Data

Model					Power		Capacity								2900rpm	
Single Phase 240V/50HZ	Three Phase Δ 220V - Y415V/50HZ	KW	HP	Suction Head m	m³/h	0.5	1.0	1.5	2.0	2.5	3.0	3.5				
					1/min	8.3	16.7	25	33.3	41.7	50	58.3				
					Head(m)											
PSW2-20/037	PSW2-20/037	0.37	0.5	8.5		18	11	16	15	14	13	11				
PSW2-30/037	PSW2-30/037	0.55	0.75	8.5		26	25	24	22.5	21	19	16				
PSW2-40/055	PSW2-40/055	0.55	0.75	8.5		35	32.5	31	29.5	27.5	25.5	21				
PSW2-50/055	PSW2-50/055	0.55	0.75	8.5		44	41	39	36.5	34	31	26				
PSW2-60/075	PSW2-60/075	0.75	1.0	8.5		53	50	47	44	40	36	30				

PSW 2

PSW 8

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

PSW 8

PSW 4

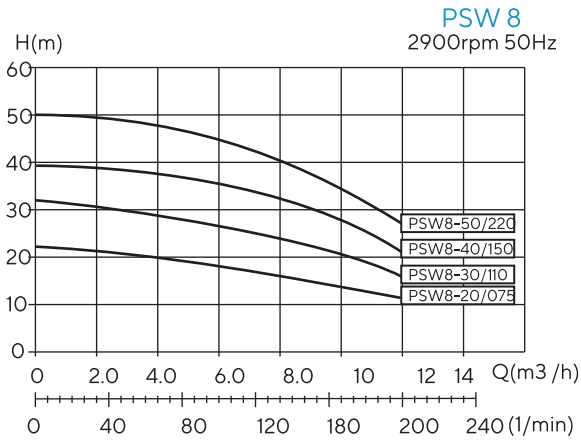
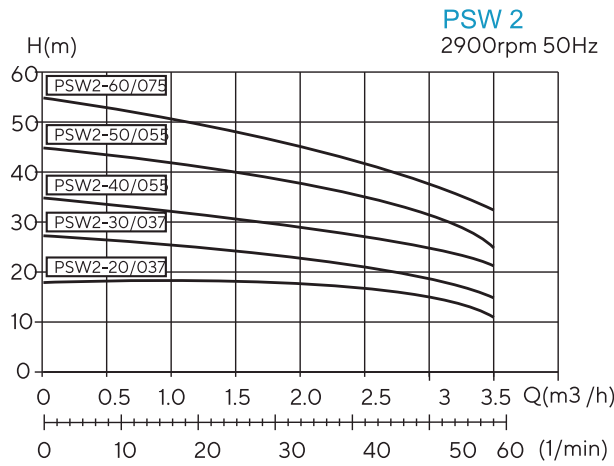
Model		Power				Capacity							2900rpm	
Single Phase 240V 50HZ	Three Phase 415V 50HZ	KW	HP	Suction Head m	m³/h 1/min	1	2	3	4	5	6	7		
						16.7	33.3	50	66.7	83.3	100	116.7		
						Head(m)								
PSW4-20/055	PSWT4-20/055	0.55	0.75	8.0		18	17	16.5	15.5	14.5	13	11		
PSW4-30/075	PSWT4-30/075	0.75	1.0	8.0		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

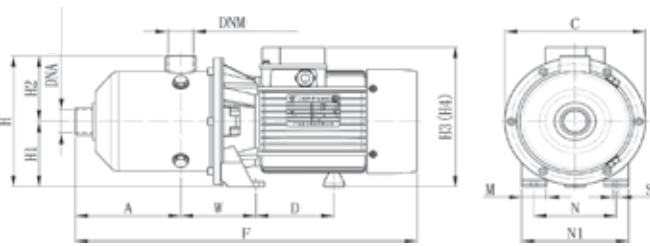
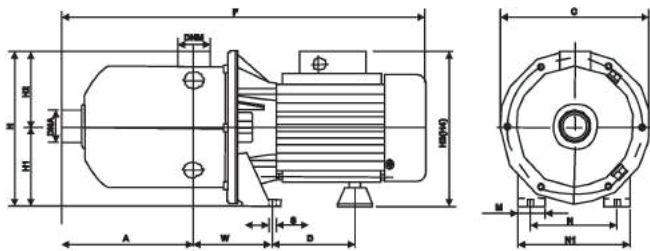
Model		Power			Capacity								2900rpm	
Single Phase 240V 50HZ	Three Phase 415V 50HZ	KW	HP	m³/h	8	10	12	14	16	18	20	22		
				t/min	133.3	166.7	200	233.3	266.7	300	333.3	366.7		
				Head(m)										
PSW16-20/220	PSW16-20/220	2.2	3.0		27.5	26.5	25.5	24	23	20.5	18	15		
	PSW16-30/300	3.0	4.0		40.5	39.5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

PSW 16

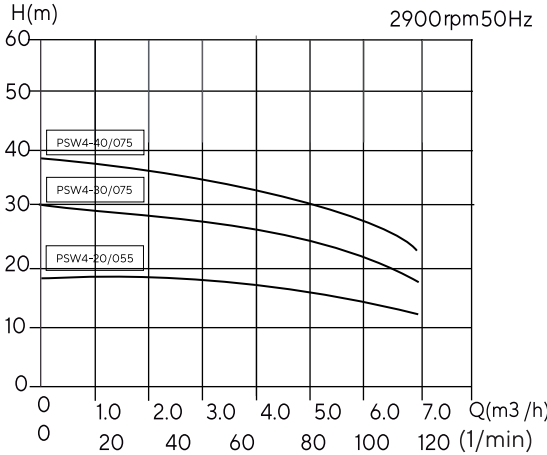
Performance Curve



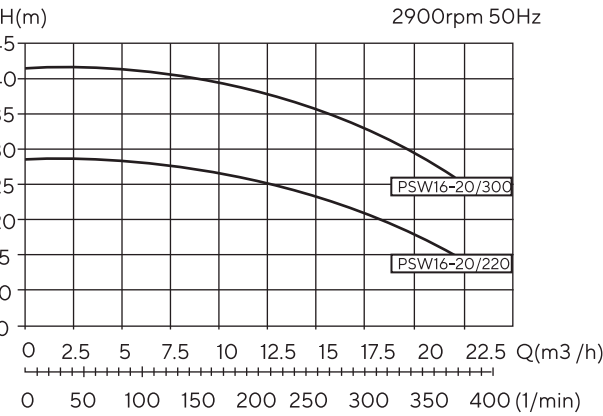
Outline Dimension



PSW 4



PSW 16



PSW 2 & 4

MODEL	DIMENSIONS (mm)																	
	A	C	F	H	H1	H2	H3	H4	M	N	N1	S	W	D	DNA	DNM		
PSW2-20/037	76	170	400	176	88	88	180	180	30	100	130	7	91	92	G1"	G1"		
PSW2-30/037	76	170	400	176	88	88	180	180	30	100	130	7	91	92	G1"	G1"		
PSW2-40/055	130	170	454	176	88	88	780	780	30	100	130	7	91	92	G1"	G1"		
PSW2-50/055	730	170	454	176	88	88	180	180	30	100	130	7	91	92	G1"	G1"		
PSW2-60/055	130	170	454	176	88	88	780	780	30	100	130	7	91	92	G1"	G1"		
PSW4-20/055	76	170	400	176	88	88	180	180	30	100	130	7	91	92	G1"1/4	G1"		
PSW4-30/075	130	170	454	176	88	88	780	780	30	100	130	7	91	92	G1"1/4	G1"		
PSW4-40/075	130	170	454	176	88	88	180	180	30	100	130	7	91	92	G1"1/4	G1"		

*H2 for motorson single phase
*H3 for motorson threephase

PSW 8 & 16

MODEL	DIMENSIONS (mm)																	
	A	C	F	H	H1	H2	H3	H4	M	N	N1	S	W	D	DNA	DNM	WEIGHT	
PSW8-20/037	118	222	475	245	120	125	260	230	39	140	180	9	112	95	G1"1/2	G1"1/2	14.8	
PSW8-30/037	118	222	475	245	120	125	260	230	39	140	180	9	112	95	G1"1/2	G1"1/2	17.6	
PSW8-40/055	178	222	535	245	120	125	260	230	39	140	180	9	112	95	G1"1/2	G1"1/2	22	
PSW8-50/055	178	222	550	245	120	125	268	230	39	140	180	9	112	95	G1"1/2	G1"1/2	24.5	
PSW16-60/055	126	222	490	250	120	130	268	240	39	140	180	9	112	95	G1"1/2	G2"	20	
PSW16-20/055	178	222	550	250	120	130	-	240	39	140	180	9	112	95	G1"1/2	G2"	25	

*H2 for motorson single phase
*H3 for motorson threephase