



Series **6WHP**  
6" ENCAPSULATED  
SUBMERSIBLE MOTOR

# 6WP Series

## 6" encapsulated submersible motor



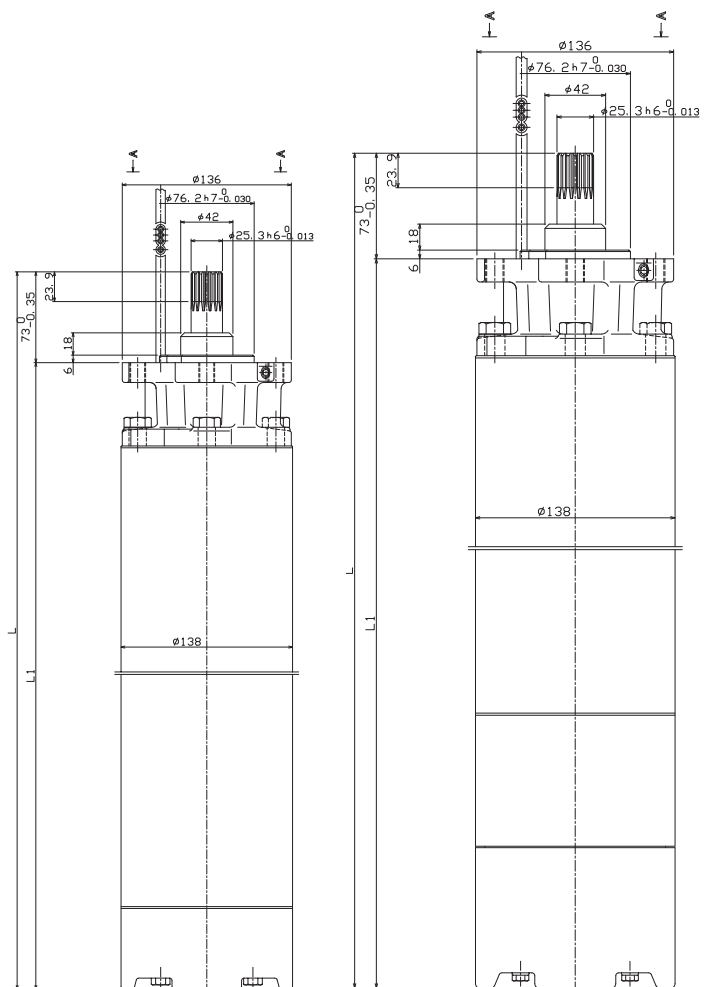
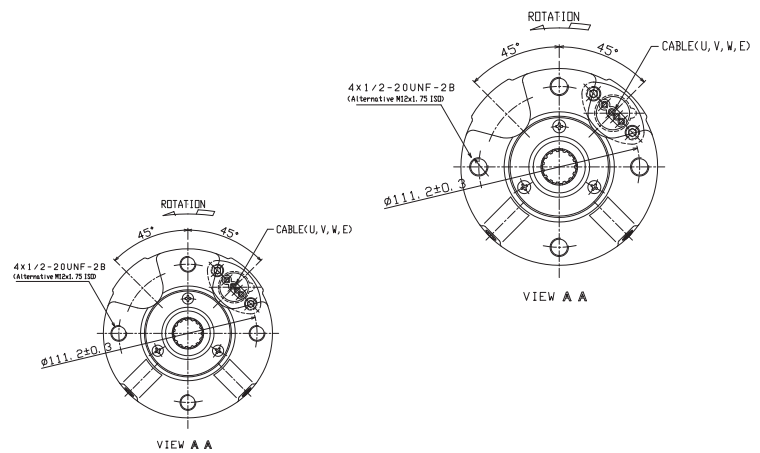
### Technical features

- Encapsulated resin filled stator.
- Upper and lower bracket: Cathaphoresis treated cast iron.
- Motor case: SS 304.
- Motor shaft: SS 431.
- Shaft end and coupling: NEMA Standard.
- NEMA standard power side bracket: UNF threaded holes upon request.
- Kingsbury thrust bearing.
- Winding: enameled copper - Class F insulation.
- Degree of Protection: IP68/Class B insulation.
- Max temp. 35° with water cooling flow min. 0.16 m/s.
- Max depth immersion: 350 m.
- Nos. of start per hour: max 20 for D.O.L. type.
- Mechanical seal: SiC/SiC.
- Sand slinger.
- Coolant: water and propylene glycol.
- EPDM flat blue cable - AWG stranded version upon request.
- Motor cable length: 4 m (3 wires plus ground).
- Voltage variation: +/-10%.
- Starting method: D.O.L / Star-Delta.
- Suitable for horizontal operation.

### Motor range versions:

- Single Phase: 3.7kW (5.5hp) to 11kW (15hp), 220-230V / 50Hz (or 60 Hz).
- Three Phase: 3.7kW (5.5hp) to 45kW (60hp), 380-415V / 50Hz – 460V / 60Hz.
- Axial thrust:
  - 7.840 N or 15.500 N from 3.7kW to 11kW
  - 15.500 N from 15kW to 22kW
  - 27.500 N from 30kW to 45kW.

Other voltage and frequencies available upon request.



### DIMENSIONS AND WEIGHT

Type	kW	Hp	Axial thrust	L mm	Weight Kg
6WP 550	3,7	5,5	7.840 N	535	32,5
6WP 750	5,5	7,5		577	36,5
6WP 1000	7,5	10		632	42
6WP 1500	11	15		698	48,5
6WP 550	3,7	5,5	15.550 N	644,5	44,5
6WP 750	5,5	7,5		686,5	47,5
6WP 1000	7,5	10		741,5	51
6WP 1500	11	15		807,5	56
6WP 2000	15	20		892,5	64,5
6WP 2500	18,5	25		964,5	71
6WP 3000	22	30	22.250 N	1044,5	83,5
6WP 4000	30	40		1134,5	91,5
6WP 5000	37	50		1204,5	99,5
6WP 6000	45	60		1204,5	99,5

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THREE PHASE											
50Hz.	Thrust Load	Kg	H	kW	HP	Volts	Poles	A	RPM	S.F.	S.F. (A)
	N		(mm)					(r/min)			
380/415 V	7840	32,5	462	4	5,5	380	2	9,1	2800	-	-
								400	2820		
								415	2840		
	6WP 750	36,5	504	5,5	7,5	380	2	12,8	2810	-	-
								400	2820		
								415	2840		
	6WP 1000	42	559	7,5	10	380	2	17,8	2800	-	-
								400	2820		
								415	2840		
	6WP 1500	48,5	625	11	15	380	2	25,6	2810	-	-
								400	2830		
								415	2850		
	6WP 500	44,5	571,5	3,7	5	380	2	9,1	2800	-	-
								400	2820		
								415	2840		
	6WP 750	47,5	613,5	5,5	7,5	380	2	12,8	2810	-	-
								400	2820		
								415	2840		
	6WP 1000	51	668,5	7,5	10	380	2	17,8	2800	-	-
								400	2820		
								415	2840		
	6WP 1500	15500	56	734,5	11	380	2	25,6	2810	-	-
								400	2830		
								415	2850		
6WP 2000	64,5	819,5	15	20	380	2	34	2810	-	-	
							400	2830			
							415	2850			
6WP 2500	71	891,5	18,5	25	380	2	41	2820	-	-	
							400	2830			
							415	2850			
6WP 3000	83,5	971,5	22	30	380	2	46	2880	-	-	
							400	2890			
							415	2900			
6WP 4000	27500	91,5	1061,5	30	380	2	62,5	2860	-	-	
							400	2880			
							415	2900			
6WP 5000	99,5	1131,5	37	50	380	2	77,6	2840	-	-	
							400	2860			
							415	2870			

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THREE PHASE											
60Hz.	Thrust Load N	Kg	H (mm)	kW	HP	Volts	Poles	A	RPM (r/min)	S.F.	S.F. (A)
380/415 V	7840	32,5	462	4	5,5	230	2	15,8	3445		17,4
						460		7,9			8,7
		36,5	504	5,5	7,5	230	2	22,0	3450		24,4
						460		11,0			14,2
		42	559	7,5	10	230	2	30,8	3440		33,0
						460		15,4			16,5
		48,5	625	11	15	230	2	43,2	3450		47,0
						460		21,6			23,5
		44,5	571,5	3,7	5	230	2	15,8	3445		17,4
						460		7,9			8,7
		47,5	613,5	5,5	7,5	230	2	22,0	3450		24,4
						460		11,0			14,2
		51	668,5	7,5	10	230	2	30,8	3440	1,15	33,0
						460		15,4			16,5
		56	734,5	11	15	230	2	43,2	3450		47,0
						460		21,6			23,5
	64,5	819,5	15	20	230	2	57,4	3450		63,0	
					460		28,7			31,5	
	71	891,5	18,5	25	230	2	69,0	3450		76,0	
					460		34,5			38,0	
	83,5	971,5	22	30	230	2	76,6	3500		85,0	
					460		38			42,5	
27500	91,5	1061,5	30	40	460	2	52,7	3490		58,0	
					460		64,3			70,8	



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