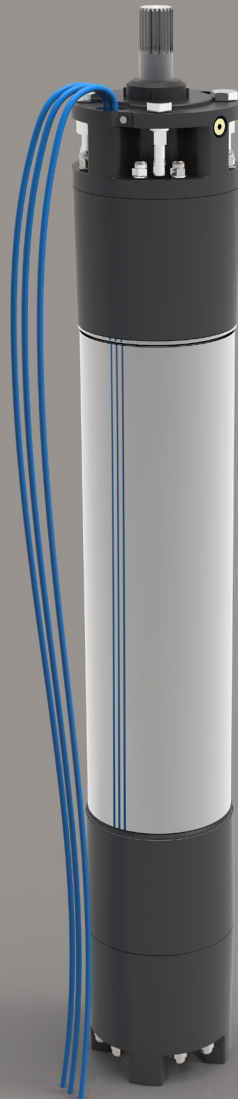


# 8WMM

50 Hz - 60 Hz



**8" REWINDABLE WATER FILLED  
SUBMERSIBLE MOTORS**



Made in Italy



## TECHNICAL SPECIFICATIONS

### REWINDABLE MOTORS

DESIGNED TO BE EASILY REPAIRABLE

### MOTOR/PUMP FLANGE

8" NEMA STANDARD

### POWERS

Three-phase: from 30 to 150 Hp

### VOLTAGE

Three-phase: 230;380;400;415;500 V / 50 Hz  
220;380;440;460;575 v / 60 Hz

### THRUST LOAD

From 30 to 60 Hp: 50000 N  
From 70 to 85 Hp: 60000 N  
From 90 to 150 Hp: 70000 N

### COLLEGAMENTO

D.O.L.  
λ/Δ

## CONSTRUCTION FEATURES

**STATOR** specifically developed to achieve maximum electrical yield. Covered by an AISI 304 stainless steel sleeve. Windings are asynchronous-type and are made of cooper wire with PVC insulation, or copper wire with PE2+PA insulation, which is "inverter resistant" and suggested for high temperatures and voltage surges.

**POWER CABLE EPR-TYPE**, which ensures perfect sealing in the most critical conditions. It complies with all major standards on the use in drinking water (ACS, WRAS).

**FILLING LIQUID** composed of a mixture of water and propylene glycol to ensure adequate lubrication of the thrust bearing system together with the ability to lower the freezing point when stored in very cold places.

**UPPER AND LOWER BRACKET** made in GS400 spheroidal cast iron with cataphoresis treatment, which gives great resistance to water impacts and corrosion. Version fully made in 316 stainless steel available upon request.

**MECHANICAL SEAL** made in SIC-SIC, silicon-silicon carbide.

**SHAFT** completely made in AISI 431 stainless steel, without welding. It is ground along the entire axis thus giving the rotor such a concentricity to ensure perfect linearity. A shaft free from vibration is obtained thanks to balancing. Led by wear-resistant graphite bushing bearings. The 8WM version fully made in 316 stainless steel is equipped with shaft projection made in DUPLEX.

**THRUST BEARING SYSTEM** bidirectional Michell-type, with pads in treated steel and supported by a disk in resin compound fibres and self-lubricating additives, totally ecological.

**100% TESTED**, all motors are tested at the end of the line.

## VERSIONS UPON REQUEST

Different thrust load  
Different voltage  
PT100 temperature sensor  
PVC o PE2 + PA insulation windings  
Fully made in 316 stainless steel

## OPERATING LIMITS

### DEGREE OF PROTECTION

IP 68

### INSULATION CLASS

PVC: Y  
PE2 + PA: A

### VOLTAGE TOLERANCE

-10% / +10%

### PUMPED LIQUID TEMPERATURE

PVC: 0°C – 35°C  
PE2 + PA: 0°C – 60°C

### MIN. COOLING FLOW

0,1 m/s

### MAX. STARTS / HOUR

10

### MOUNTING

Vertical

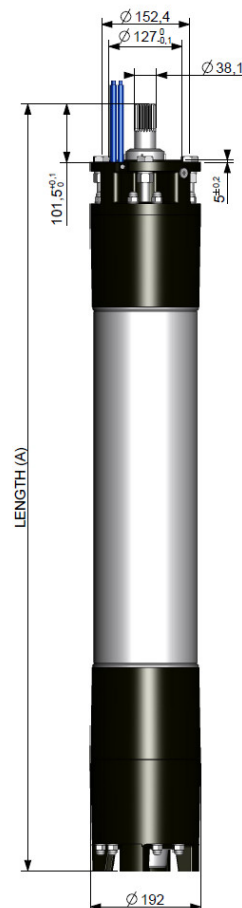
### MAX. IMMERSION DEPTH

350 m

## ACCESSORIES

Different cable lengths  
PT100 temperature sensor

## DIMENSIONS



## ELECTRICAL DATA 8WM - 50Hz

Type	Voltage [V]	P <sub>2</sub> [Hp]	P <sub>2</sub> [kW]	Ph	I <sub>n</sub> [A]	I <sub>avv</sub> [A]	rpm	cos φ	η [%]	Thrust Load [N]	Length A [mm]	Weight [kg]	Cable Length [m]	Cable Section [mm <sup>2</sup> ]
8WM-T0300	230	30	22	3	82	328	2901	0,83	81,5	50.000	978,5	132		10 x 3
	380				48	192	2892	0,84	81					
	400				47	188	2901	0,83	81,5					
	415				46	184	2911	0,81	81,8					
	500				38	152	2892	0,84	81					
8WM-T0400	230	40	30	3	106	424	2886	0,85	83,9	50.000	1048,5	138		16 x 3
	380				63	252	2876	0,86	82,9					10 x 3
	400				61	244	2886	0,85	83,9					
	415				59	236	2898	0,84	84,4					
	500				49	196	2876	0,86	82,9					
8WM-T0500	230	50	37	3	131	524	2890	0,84	84,8	50.000	1118,5	153		25 x 3
	380				77	308	2881	0,85	84,4					16 x 3
	400				76	304	2890	0,84	84,8					
	415				74	396	2930	0,82	85,1					
	500				60	240	2881	0,85	84,4					
8WM-T0600	230	60	45	3	157	628	2900	0,84	86	60.000	1228,5	171	3,5	25 x 3
	380				93	372	2888	0,85	85,1					16 x 3
	400				91	364	2900	0,84	86					
	415				89	356	2909	0,81	86,1					
	500				72	288	2888	0,85	85,1					
8WM-T0700	230	70	51	3	178	712	2879	0,85	84,9	60.000	1228,5	172	3,5	25 x 3
	380				105	420	2869	0,86	84,1					16 x 3
	400				103	412	2879	0,85	84,9					
	415				100	400	2892	0,83	85,1					
	500				82	328	2869	0,86	84,1					
8WM-T0750	230	75	55	3	188	752	2890	0,85	86,7	60.000	1348,5	184	3,5	25 x 3
	380				110	440	2881	0,86	86,5					16 x 3
	400				107	428	2890	0,85	86,7					
	415				105	420	2902	0,84	87,1					
	500				86	344	2881	0,86	86,5					
8WM-T0800	380	80	59	3	120	480	2888	0,85	86,2	60.000	1348,5	184	3,5	16 x 3
	400				116	464	2898	0,83	87,5					
	415				115	460	2909	0,81	87,4					
	500				93	372	2888	0,85	86,2					
	8WM-T0850				380	85	62	3	123					
400		120	480	2892	0,84				88,6					
415		118	472	2906	0,82				88,8					
500		96	384	2885	0,85				87,8					
8WM-T0900		380	90	66	3				133	532	2873	0,85	86,2	70.000
	400	129				516	2883	0,84	87,1					
	415	126				504	2896	0,83	87,4					
	500	104				416	2873	0,85	86,2					
	8WM-T1000	380				100	75	3	151	604	2882	0,82	86,4	
400		146	584	2890	0,81				86,9					
415		142	568	2903	0,8				87,4					
500		117	468	2882	0,82				86,4					
8WM-T1250		380	125	92	3				186	744	2887	0,78	87,6	70.000
	400	181				724	2900	0,77	88,5					
	415	180				720	2907	0,75	88,4					
	500	145				580	2887	0,78	87,6					
	8WM-T1500	380				150	110	3	228	912	2890	0,75	86	
400		226	904	2899	0,74				86,3					
415		227	908	2911	0,7				86,3					
500		178	712	2890	0,75				86					

## ELECTRICAL DATA 8WM -60Hz

Type	Voltage [V]	P <sub>2</sub> [Hp]	P <sub>2</sub> [kW]	Ph	I <sub>n</sub> [A]	I <sub>max</sub> [A]	I <sub>avv</sub> [A]	rpm	cos φ	η [%]	Thrust Load [N]	Length A [mm]	Weight [kg]	Cable Length [m]	Cable Section [mm <sup>2</sup> ]
8WM-T0300	220	30	22	3	85	93,5	340	3501	0,83	81,5	50.000	978,5	132		10 x 3
	380				50	55	200	3501	0,83	81,5					
	440				43	47,3	172	3492	0,84	81					
	460				41	45,1	164	3501	0,83	81,5					
	575				33	36,3	132	3501	0,83	81,5					
8WM-T0400	220	40	30	3	111	122,1	444	3486	0,85	83,9	50.000	1048,5	138		16 x 3
	380				64	70,4	256	3486	0,85	83,9					
	440				56	61,6	224	3476	0,86	82,9					
	460				53	58,3	212	3486	0,85	83,9					
	575				43	47,3	172	3486	0,85	83,9					
8WM-T0500	220	50	37	3	164	180,4	656	3490	0,84	84,8	50.000	1118,5	153		25 x 3
	380				79	86,9	316	3490	0,84	84,8					
	440				68	74,8	272	3481	0,85	84,4					
	460				66	72,6	264	3490	0,84	84,8					
	575				53	58,3	212	3490	0,84	84,8					
8WM-T0600	220	60	45	3	164	180,4	656	3500	0,84	86	60.000	1228,5	171	3,5	25 x 3
	380				95	104,5	380	3500	0,84	86					
	440				82	90,2	328	3488	0,85	85,1					
	460				79	86,9	316	3500	0,84	86					
	575				63	69,3	252	3500	0,84	86					
8WM-T0700	220	70	51	3	186	204,6	744	3479	0,85	84,9	60.000	1228,5	172	3,5	25 x 3
	380				108	118,8	432	3479	0,85	84,9					
	440				93	102,3	372	3469	0,86	84,1					
	460				89	97,9	356	3479	0,85	84,9					
	575				71	78,1	284	3479	0,85	84,9					
8WM-T0750	220	75	55	3	196	215,6	784	3490	0,85	86,7	60.000	1348,5	184	3,5	25 x 3
	380				114	125,4	456	3490	0,85	86,7					
	440				97	106,7	388	3481	0,86	86,5					
	460				94	103,4	376	3490	0,85	86,7					
	575				75	82,5	300	3490	0,85	86,7					
8WM-T0800	380	80	59	3	124	136,4	496	3498	0,83	87,5	60.000	1348,5	184	3,5	25 x 3
	440				106	116,6	424	3488	0,85	86,2					
	460				102	112,2	408	3498	0,83	87,5					
	575				82	90,2	328	3498	0,83	87,5					
	380				127	139,7	508	3492	0,84	88,6					
8WM-T0850	440	85	62	3	109	119,9	436	3485	0,85	87,6	60.000	1348,5	184	3,5	25 x 3
	460				105	115,5	420	3492	0,84	88,6					
	575				84	92,4	336	3492	0,84	88,6					
	380				138	151,8	552	3483	0,84	87,1					
	440				119	130,9	476	3473	0,85	86,2					
8WM-T0900	460	90	66	3	114	125,4	456	3483	0,84	87,1	70.000	1418,5	205	4,5	25 x 3
	575				91	100,1	364	3483	0,84	87,1					
	380				155	170,5	620	3490	0,85	86,9					
	440				133	146,3	532	3482	0,86	86,4					
	460				128	140,8	512	3490	0,85	86,9					
8WM-T1000	575	100	75	3	102	112,2	408	3490	0,85	86,9	70.000	1608,5	236	4,5	25 x 3
	380				191	210,1	764	3500	0,83	88,5					
	440				165	181,5	660	3487	0,84	87,6					
	460				158	173,8	632	3500	0,83	88,5					
	575				126	138,6	504	3500	0,83	88,5					
8WM-T1250	380	125	92	3	240	264	960	3499	0,81	86,3	70.000	1788,5	265	4,5	25 x 3
	440				203	223,3	812	3490	0,83	86					
	460				198	217,8	792	3499	0,81	86,3					
	575				158	173,8	632	3499	0,81	86,3					
	380				191	210,1	764	3500	0,83	88,5					

# 8WM

## VERSIONS AVAILABLE



**D.O.L. VERSION**



**λ/Δ VERSION**



**UPPER AND LOWER BRACKET  
MADE IN GS400 SPHEROIDAL  
CAST IRON WITH CATAPHORESIS  
TREATMENT**



**FULLY MADE IN 316  
STAINLESS STEEL**



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