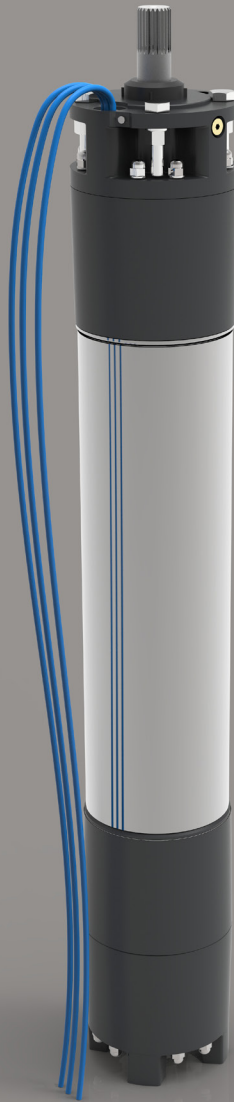


8WM

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.
 Δ / 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

OPERTATING 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

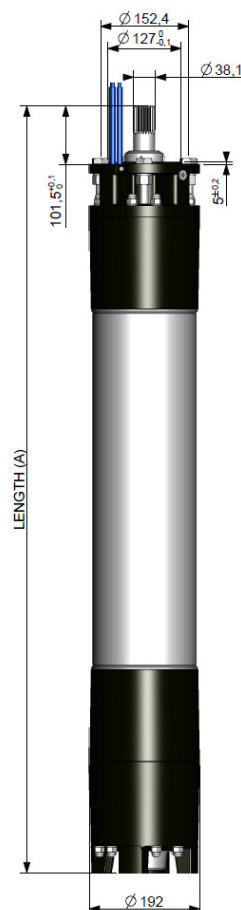
MOUNTING
Vertical

MAX. IMMERSION DEPTH
350 m

ACCESSORIES

Different cable lengths
PT100 temperature sensor

DIMENSIONS



ELECTRICAL DATA 8WM - 50Hz

Type	Voltage [V]	P ₂ [Hp]	P ₂ [kW]	Ph	I _n [A]	I _{avv} [A]	rpm	cos φ	η [%]	Thrust Load [N]	Length A [mm]	Weight [kg]	Cable Length [m]	Cable Section [mm²]
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		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		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		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	492	2885	0,85	87,8	60.000	1348,5	184		16 x 3
	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	1418,5	205		25 x 3
	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	70.000	1608,5	236		25 x 3
	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	1678,5	238	4,5	25 x 3
	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	70.000	1788,5	265		25 x 3
	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 ₂ [Hp]	P ₂ [kW]	Ph	I _n [A]	I _{max} [A]	I _{avv} [A]	rpm	cos φ	η [%]	Thrust Load [N]	Length A [mm]	Weight [kg]	Cable Length [m]	Cable Section [mm²]
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					10 x 3
	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					16 x 3
	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		25 x 3
	380				95	104,5	380	3500	0,84	86					16 x 3
	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					16 x 3
	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		25 x 3
	380				114	125,4	456	3490	0,85	86,7					16 x 3
	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		16 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					
8WM-T0850	380	85	62	3	127	139,7	508	3492	0,84	88,6	60.000	1348,5	184		25 x 3
	440				109	119,9	436	3485	0,85	87,6					
	460				105	115,5	420	3492	0,84	88,6					
	575				84	92,4	336	3492	0,84	88,6					
8WM-T0900	380	90	66	3	138	151,8	552	3483	0,84	87,1	70.000	1418,5	205		25 x 3
	440				119	130,9	476	3473	0,85	86,2					
	460				114	125,4	456	3483	0,84	87,1					
	575				91	100,1	364	3483	0,84	87,1					
8WM-T1000	380	100	75	3	155	170,5	620	3490	0,85	86,9	70.000	1608,5	236		25 x 3
	440				133	146,3	532	3482	0,86	86,4					
	460				128	140,8	512	3490	0,85	86,9					
	575				102	112,2	408	3490	0,85	86,9					
8WM-T1250	380	125	92	3	191	210,1	764	3500	0,83	88,5	70.000	1678,5	238		25 x 3
	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-T1500	380	150	110	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					

8WM

VERSIONS AVAILABLE



D.O.L. VERSION



Δ/Δ VERSION



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



**FULLY MADE IN 316
STAINLESS STEEL**



PM S.r.l.

Viale della Ricerca n°3
36049 Sovizzo (VI) - Italy
T. +39 0444 673043 F. +39 0444 677273
info@pmtechnology.eu
www.pmtechnology.eu
Company under direction and coordination of
PEDROLLO GROUP S.R.L.



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