



SUBMERSIBLE MOTORS

RT SERIES

» TECHNICAL DATA SHEET

CAST IRON REWINDABLE MOTOR

6"

8"

10"

12"



Complies with certifications
UL 1004-1
CSA C22.2 NO. 100-14
(Apply for motors and generators)



RT SERIES - CHARACTERISTICS

Altamira RT is a rewindable, UL-certified motor line with robust construction, designed for professionals seeking reliable performance.

» APPLICATIONS



Industrial



Agricultural & Livestock



Commercial



» ADVANTAGES

High quality and performance.

- Water filled motor, cooled and lubricated with a mixture of water and non toxic glycol.
- PT100 protection probe for models from 40 HP and above.
- Can operate with variable frequency drives (see specifications in the installation manual).

- Kingsbury type axial thrust bearing system designed to withstand axial loads greater than those imposed by the pump.
- Service workshop and spare parts support.

FEATURES

- Low load thrust washer designed to support upward axial thrust during start up.
- Stator design with exposed windings.
- 9.8 ft (7.5 to 25 HP) and 16.4 ft (30 to 300 HP) connector cables with double jacket for greater mechanical and electrical protection.
- 304 stainless steel housing and fasteners.
- Squirrel cage rotor with copper windings and polypropylene (PP) insulation.
- Rubber diaphragm.

TECHNICAL SPECS

OPERATIONAL

Operating position:	Vertical
Duty rating:	Continuous
Maximum allowable supply voltage variation:	± 10%
Maximum immersion depth:	492 ft
RPM (60 Hz, 2 Poles)	3 450
Maximum water temperature:	86 °F
Minimum cooling flow velocity:	1.64 ft/s

PROTECTION

Ingress Protection:	IP68
Insulation Class:	Y





RT SERIES - PERFORMANCE PAGE

6" / 3-PHASE MOTORS

GTIN-13 (E-COMMERCE CODE)	MODEL	NOMINAL POWER		PHASES X VOLTAGE (Ø x V~)	SERVICE FACTOR (S.F.)	CURRENT (A)		EFFICIENCY (η%)	POWER FACTOR (COSφ)	COUPLING TYPE	MAXIMUM AXIAL THRUST			
		HP	kW			F.L.A.	S.F.A.				100% LOAD	100% LOAD	Kg	Lb
7503052703903	MSRT6 7.53230	7.5	5.5	3 x 230	1.15	22.5	25.9	78	80	NEMA 6	3 570	7 870		
7503052703910	MSRT6 7.53460					11.5	13.2							
7503052703927	MSRT6 103230	10	7.5	3 x 230	1.15	30	34.5	80	81					
7503052703934	MSRT6 103460					15	17.3							
7503052703941	MSRT6 153230	15	11	3 x 230	1.15	42	48.3	80	82					
7503052703958	MSRT6 153460					21	24.2							
7503052703965	MSRT6 203230	20	15	3 x 230	1.15	57	65.6	81	82					
7503052703972	MSRT6 203460					28.5	32.8							
7503052703989	MSRT6 253230	25	18.5	3 x 230	1.15	70	80.5	81.5	82					
7503052703996	MSRT6 253460					35	40.3							
7503052703781	MSRT6 303230	30	22	3 x 230	1.15	82	94.3	82	83					
7503052732002	MSRT6 303460					40	46							
7503052703798	MSRT6 403230	40	30	3 x 230	1.15	108	124.2	83	83					
7503052732019	MSRT6 403460					54	62.1							
7503052703804	MSRT6 503230	50	37	3 x 230	1.15	133	153	83	83					
7503052732026	MSRT6 503460					66	75.9							

NOTE: For proper protection and starting of three-phase motors, it is recommended to install an Enerwell starter.

8" / 3-PHASE MOTORS

GTIN-13 (E-COMMERCE CODE)	MODEL	NOMINAL POWER		PHASES X VOLTAGE (Ø x V~)	SERVICE FACTOR (S.F.)	CURRENT (A)		EFFICIENCY (η%)	POWER FACTOR (COSφ)	COUPLING TYPE	MAXIMUM AXIAL THRUST			
		HP	kW			F.L.A.	S.F.A.				100% LOAD	100% LOAD	Kg	Lb
7503052703811	MSRT8/6 603460	60	45	3 x 460	1.15	80	92	84.5	84	NEMA 6	6 120	13 490		
7503052703828	MSRT8 753460	75	55			97	111.6			NEMA 8				
7503052703835	MSRT8 1003460	100	75			133	153							

NOTE: For proper protection and starting of three-phase motors, it is recommended to install an Enerwell starter.

10" / 3-PHASE MOTORS

GTIN-13 (E-COMMERCE CODE)	MODEL	NOMINAL POWER		PHASES X VOLTAGE (Ø x V~)	SERVICE FACTOR (S.F.)	CURRENT (A)		EFFICIENCY (η%)	POWER FACTOR (COSφ)	COUPLING TYPE	MAXIMUM AXIAL THRUST			
		HP	kW			F.L.A.	S.F.A.				100% LOAD	100% LOAD	Kg	Lb
7503052703842	MSRT10/8 1253460	125	93	3 x 460	1.15	156	179.4	87	85	NEMA 8	6 120	13 490		
7503052703859	MSRT10/8 1503460	150	110			182	209.3							
7503052703866	MSRT10/8 1753460	175	132			220	253							
7503052703873	MSRT10/8 2003460	200	150			251	288.7							

NOTE: For proper protection and starting of three-phase motors, it is recommended to install an Enerwell starter.

12" / 3-PHASE MOTORS

GTIN-13 (E-COMMERCE CODE)	MODEL	NOMINAL POWER		PHASES X VOLTAGE (Ø x V~)	SERVICE FACTOR (S.F.)	CURRENT (A)		EFFICIENCY (η%)	POWER FACTOR (COSφ)	COUPLING TYPE	MAXIMUM AXIAL THRUST			
		HP	kW			F.L.A.	S.F.A.				100% LOAD	100% LOAD	Kg	Lb
7503052703880	MSRT12/10 2503460	250	185	3 x 460	1.15	303	348.5	88	86	10" W/ KEY	6 120	13 490		
7503052703897	* MSRT12/10 3003460	300	220			361	415						87	

NOTE: For proper protection and starting of three-phase motors, it is recommended to install an Enerwell starter.





RT SERIES - DIMENSIONS & WEIGHTS

6" / 3-PHASE MOTORS

MODEL	DIMENSIONS (in)			WEIGHT (Lb)	
	A	H	D		
MSRT6 7.53230	2.87	30.59	5.67	130.07	
MSRT6 7.53460		31.77		136.69	
MSRT6 103230		35.32		156.28	
MSRT6 103460		41.22		194.01	
MSRT6 153230		43.58		207.24	
MSRT6 153460		46.54		222.67	
MSRT6 203230		52.24		262.35	
MSRT6 203460		55.59		284.40	
MSRT6 253230					
MSRT6 253460					
MSRT6 303230					
MSRT6 303460					
MSRT6 403230					
MSRT6 403460					
MSRT6 503230					
MSRT6 503460					

8" / 3-PHASE MOTORS

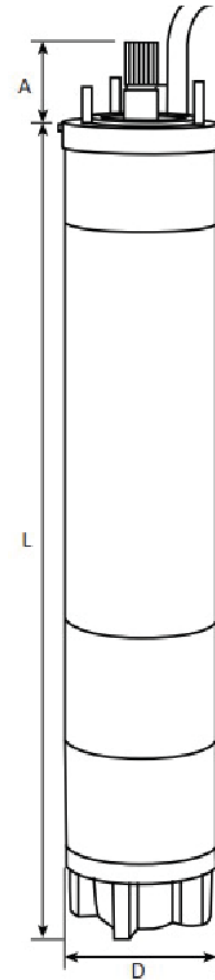
MODEL	DIMENSIONS (in)			WEIGHT (Lb)
	A	H	D	
MSRT8/6 603460	2.87	50.16	7.24	368.17
MSRT8 753460	4	54.09		410.06
MSRT8 1003460		63.94		504.86

10" / 3-PHASE MOTORS

MODEL	DIMENSIONS (in)			WEIGHT (Lb)
	A	H	D	
MSRT10/8 1253460	4	62.28	9.29	734.14
MSRT10/8 1503460		66.22		809.10
MSRT10/8 1753460		70.94		899.49
MSRT10/8 2003460		76.06		981.06

12" / 3-PHASE MOTORS

MODEL	DIMENSIONS (in)			WEIGHT (Lb)
	A	H	D	
MSRT12/10 2503460	5	100.94	11.1	1 523.39
MSRT12/10 3003460		115.35	12	1 719.61



THERMOCOUPLE

To ensure a reliable protection system, all motors in the ALTAMIRA RT series of 40 HP and above are supplied with a PT100 temperature sensor. For this protection system to function, the corresponding receiver is required and must be purchased separately.