



SUBMERSIBLE MOTORS

X SERIES

» TECHNICAL DATA SHEET

STAINLESS STEEL REWINDABLE MOTOR

6"

8"

10"





X SERIES - CHARACTERISTICS

Altamira X is a rewindable motor line with a robust stainless steel construction, designed for professional use where reliability and durability are essential.

» APPLICATIONS



Drinking water system



Agricultural & Livestock



Commercial



Industrial



» ADVANTAGES

High quality and performance.



Water filled motor, cooled and lubricated with a mixture of water and non toxic glycol.



Robust stainless steel construction for continuous duty operation.



VFD compatible motor (per installation manual specifications).



Kingsbury type axial thrust bearing system designed to withstand axial loads greater than those imposed by the pump.



PT100 temperature protection probe for 8" and 10" models.

FEATURES

- Heavy duty axial thrust assembly and mechanical seal.
- Rewindable stator with copper windings and polypropylene (PP) insulation.
- 304 stainless steel construction (housing, supports, covers and fasteners).
- NBR-EPDM diaphragm.

TECHNICAL SPECS

OPERATIONAL

Operating position:	Vertical
Duty rating:	Continuous
Maximum allowable supply voltage variation:	± 10%
Maximum immersion depth:	492
RPM (60 Hz, 2 Poles)	3 450
Maximum water temperature:	122
Minimum cooling flow velocity:	0.49

PROTECTION

Ingress Protection:	IP68
Insulation Class:	Y
KVA CODE:	F





X SERIES - PERFORMANCE DATA

6" / 3-PHASE MOTORS

GTIN-13 (E-COMMERCE CODE)	MODEL	NOMINAL POWER		PHASES X VOLTAGE ($\varnothing$ x V~)	SERVICE FACTOR (S.F.)	CURRENT (A)		EFFICIENCY (η %)	POWER FACTOR (COS ϕ)	COUPLING TYPE	MAXIMUM AXIAL THRUST					
		HP	kW			F.L.A.	S.F.A.	100% LOAD	100% LOAD		Kg	Lb				
7503052732064	MSX6 7.53230	7.5	5.5	3 x 230	1.15	22.3	25.6	72	85	NEMA 6	2 040	4 496				
7503052732071	MSX6 7.53460			3 x 460		11.3	13.0									
7503052732088	MSX6 103230	10	7.5	3 x 230		33	38.0	79								
7503052732095	MSX6 103460			3 x 460		16.5	19.0									
7503052732101	MSX6 153230	15	11	3 x 230		46	52.9	81	86							
7503052732118	MSX6 153460			3 x 460		23	26.5									
7503052732125	MSX6 203230	20	15	3 x 230		61	70.2	80	84							
7503052732132	MSX6 203460			3 x 460		30.5	35.1									
7503052732149	MSX6 253230	25	19	3 x 230		72	82.8	81	85							
7503052732156	MSX6 253460			3 x 460		36	41.4									
7503052732163	MSX6 303230	30	22	3 x 230		89	102.4	82	86		2 702	5 597				
7503052732170	MSX6 303460			3 x 460		44.5	51.2									
7503052732187	MSX6 403230	40	30	3 x 230		106.8	122.8		90							
7503052732194	MSX6 403460			3 x 460		53.4	61.4									
7503052732200	MSX6 503230	50	37	3 x 230		133.2	153.2	81	86							
7503052732217	MSX6 503460			3 x 460		66.6	76.6									

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 ($\varnothing$ x V~)	SERVICE FACTOR (S.F.)	CURRENT (A)		EFFICIENCY (η %)	POWER FACTOR (COS ϕ)	COUPLING TYPE	MAXIMUM AXIAL THRUST	
		HP	kW			F.L.A.	S.F.A.	100% LOAD	100% LOAD		Kg	Lb
7503052732224	MSX8/6 603460	60	45	3 x 460	1.15	85	97.8	84	91	NEMA 6	4 588	10 116
7503052732231	MSX8 753460	75	55			104	119.6		90	NEMA 8	5 608	12 364
7503052732248	MSX8 1003460	100	75			135	155.3					

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 ($\varnothing$ x V~)	SERVICE FACTOR (S.F.)	CURRENT (A)		EFFICIENCY (η %)	POWER FACTOR (COS ϕ)	COUPLING TYPE	MAXIMUM AXIAL THRUST	
		HP	kW			F.L.A.	S.F.A.	100% LOAD	100% LOAD		Kg	Lb
7503052732255	MSX10/8 1253460	125	93	3 x 460	1.15	166	190.9	85	92	NEMA 8	7 647	16 860
7503052732262	MSX10/8 1503460	150	110			198	227.7					
7503052732279	MSX10/8 1753460	175	132			230	264.5					
7503052732286	MSX10/8 2003460	200	150			257	295.6					

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

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.

6" / 3-PHASE MOTORS

MODEL	DIMENSIONS (in)			WEIGHT (Lb)
	A	H	D	
MSX6 7.53230	2.9	26.7	5.5	103.6
MSX6 7.53460				
MSX6 103230		31.5		125.6
MSX6 103460				
MSX6 153230		35.8		145.5
MSX6 153460				
MSX6 203230		39.6		158.7
MSX6 203460				
MSX6 253230		43.5		189.6
MSX6 253460				
MSX6 303230		47.9		198.4
MSX6 303460				
MSX6 403230		49.09		229.3
MSX6 403460				
MSX6 503230		53		244.7
MSX6 503460				

8" / 3-PHASE MOTORS

MODEL	DIMENSIONS (in)			WEIGHT (Lb)
	A	H	D	
MSX8/6 603460	2.8	50.6	7.5	321.9
MSX8 753460	4	57.9		434.3
MSX8 1003460		60.4		458.6

10" / 3-PHASE MOTORS

MODEL	DIMENSIONS (in)			WEIGHT (Lb)
	A	H	D	
MSX10/8 1253460	4	56.2	9	723.2
MSX10/8 1503460		68.5		811.4
MSX10/8 1753460		71.6		886.4
MSX10/8 2003460		71.6		961.3

