

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																																			
Product line		: W22 High Efficiency Three-Phase		Product code :	13565753																														
				Catalog # :	01018EP3EHP215TYZ7F3																														
Frame : 215TYZ Output : 10 HP (7.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 460-230/460 V Rated current : 15.7-31.4/15.7 A L. R. Amperes : 143-286/143 A LRC : 9.1x(Code N) No load current : 10.8-21.6/10.8 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 29.2 ft.lb Locked rotor torque : 340 % Breakdown torque : 430 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : A Design :			Locked rotor time : 18s (cold) 10s (hot) Temperature rise : 80 K Duty cycle : S3 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-3 Rotation ¹ : Both (CW and CCW) Noise level ² : 58.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 181 lb																																
Output	25%	50%	75%	100%	Foundation loads																														
Efficiency (%)	82.0	84.0	87.5	89.5	Max. traction : 618 lb																														
Power Factor	0.24	0.43	0.57	0.67	Max. compression : 798 lb																														
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This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.																																
Rev.	Changes Summary			Performed	Checked																														
Performed by																																			
Checked by																																			
Date	23/01/2018																																		
				Page	Revision																														
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