DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:							
Product line		: W22 IEEE 841 NEMA Premium Effic Three-Phase				Product code :	12182291 00709ST3HIE256TC-W22	
	ınr					Catalog # :		
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque		: 254/6TC : 7.5 HP (5.5 kW) : 8 : 60 Hz : 575 V : 8.88 A : 47.1 A : 5.3x(Code G) : 5.20 A : 880 rpm : 2.22 % : 44.8 ft.lb : 200 % : 250 %			Catalog #: Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³		00709ST3HIE256TC-W22 : 59s (cold) 33s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP56 : IC411 - TEFC : F-1 : Both (CW and CCW) : 54.0 dB(A) : Direct On Line : 286 lb	
Breakdown torqu Insulation class Service factor Moment of inerti Design		: F : 1.25						
Output	25%	50%	75%	100%	Foundation loads			
Efficiency (%)	85.2	85.5	87.5	87.5	Max. traction		: 394 lb	
Power Factor	0.29	0.50	0.63	0.71	Max. co	mpression	: 679 lb	
Losses at normat	tive operat	ting points	(speed;torg	ue), in perc	entage of i	ated output power		
P1 (0,9;1,0)	P2 (0,5		P3 (0,25;1,0		0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25
13.8	11.	7	11.4		7.8	5.7	4.4	3.4
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : :	Drive end 6309 C3 Inpro/Seal 20000 h 13 g		obil Polyre	Non drive end 6209 C3 Inpro/Seal 20000 h 9 g		
Notes:								
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.				
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Performed by Checked by							Page	Revision

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26/03/2024

Date