DATA SHEET



This revision replaces and cancel the previous one, which must be eliminated. (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.	Customer	:							
Output : SHP (3.7 kW) Temperature rise : 80 k Prequency : 60 Hz Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : 20°C to +40°C Rated current : 5.46 A Protection degree : IP56 L.R. Amperes : 37.2 A Cooling method : C411 - TEFC LRC : 6.8x(Code J) Mounting : F-1 No load current : 2.76 A Rodition : Both (CW and CCW) Rated speed : 1170 rpm Noise level* : 55.0 dB(A) Rated torque : 3.10 kgfm Approx. weight* : 82.0 kg Locked rotor torque : 170 % Breakdown forque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0620 kgm² Max. traction : 108 kgf Design : B Max. traction : 108 kgf Losses at normative operating points (speed-torque), in percentage of rated output power P1 (0.9.1,0) P2 (0.5:1,0) P3 (0.25:1,0) P4 (0.9.0,5) P5 (0.50,5) P6 (0.5:0.25) <th>Product line</th> <th></th> <th colspan="7"></th>	Product line								
Moment of inertia (J) 2.0620 kgm² Efficiency (%) 88.5 89.5 89.5 Max. traction 1.108 kgf	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class		: 213/5T : 5 HP (3.7 kW) : 6 : 60 Hz : 575 V : 5.46 A : 37.2 A : 6.8x(Code J) : 2.76 A : 1170 rpm : 2.50 % : 3.10 kgfm : 170 % : 260 % : F		Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method		: 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP56 : IC411 - TEFC : F-1 : Both (CW and CCW) : 55.0 dB(A) : Direct On Line		
Duty	Moment of inert	ia (J) : 0	.0620 kgm²						
P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,2 11.1 9.1 8.8 5.8 4.0 2.9 2.1 Drive end	Output Efficiency (%)	50% 7 88.5 8	75% 100% 89.5 89.5)	Max. tra	ction			
This revision replaces and cancel the previous one, which must be eliminated. (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.	Losses at norma	tive operating poir	nts (speed;torque),	in perce	ntage of r	ated output power			
Bearing type : 6308 C3								P7 (0,25;0,25	
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. Rev. Changes Summary Performed Checked Date Performed by	Sealing Lubrication inter Lubricant amou Lubricant type		6308 C Inpro/Se 20000 I	3 eal h	bil Polyre	6207 C3 Inpro/Seal 20000 h 7 g	1		
Performed by	must be eliminat (1) Looking the r (2) Measured at (3) Approximate manufacturing p	ed. notor from the sha 1m and with tolera weight subject to o rocess.	ft end. ance of +3dB(A).	vhich	power s				
·	Rev.		Changes Summar	у		Performed	Checked	Date	
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22/10/2024

Date

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

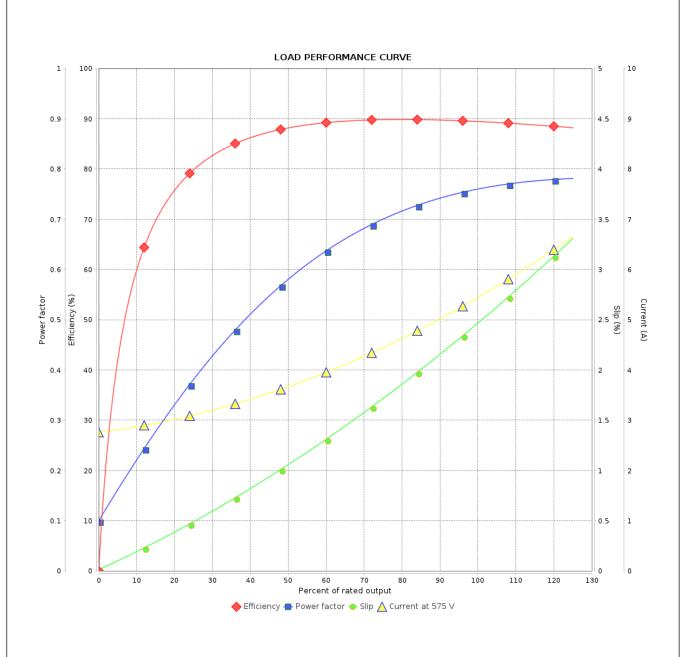


Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11433797



Performance	: 575 V 60 Hz 6P				
Rated current LRC Rated torque	: 5.46 A : 6.8 : 3.10 kgfm	Duty cycle Insulation	class	: 0.0620 kgm ² : Cont.(S1) : F	2
Locked rotor torque Breakdown torque Rated speed	: 170 % : 260 % : 1170 rpm	Service factor Temperature rise Design		: 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

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22/10/2024

Date