DATA SHEET



Three-Phase	hree Pha	ase Induction	n Motor - Squ	uirrel	Cage			<u> </u>
Three-Phase	Customer	:						
Output Poles : 10 HP (7.5 kW) Temperature rise Duty cycle Frequency : 60 Hz Ambient temperature Rated voltage : 575 V Ambient temperatur Rated voltage : 575 V Ambient temperatur Rated current : 9.92 A Protection degree L.R. Amperes : 63.5 A Cooling method L.R. Amperes : 6.4x(Code H) Mounting No load current : 4.52 A Rotation¹ No load current : 4.765 rpm Noise level² Slip : 1.765 rpm Noise level² Slip : 1.94 % Starting method Rated torque : 200 % Starting method Rated torque : 295 % Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0636 kgm² Design : B Output 50% 75% 100% Foundation loads Efficiency (%) 91.0 91.7 91.7 Max. traction Particulation loads 7.0 83 8.8	Product line			ium Effici	iency	Product code :	13551471	
Efficiency (%) 91.0 91.7 91.7 Power Factor 0.66 0.77 0.83 Max. traction Max. compression	Frame 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 Service factor Moment of inertia (J)		: 213/5TC : 10 HP (7.5 kW) : 4 : 60 Hz : 575 V : 9.92 A : 63.5 A : 6.4x(Code H) : 4.52 A : 1765 rpm : 1.94 % : 4.11 kgfm : 200 % : 295 % : F : 1.25 : 0.0636 kgm²		Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method		: 30s (cold) 17s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 58.0 dB(A) : Direct On Line : 87.1 kg	
P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,3) 8.8 7.3 7.0 4.6 3.2 Drive end Non driv Bearing type : 6308 C3 6207 Sealing : Inpro/Seal Inpro/Lubrication interval : 20000 h Lubricant amount : 11 g 7 Lubricant type : Mobil Polyrex EM Notes:	fficiency (%)	91.0 9	91.7		Max. tra	ction	: 181 kgf : 268 kgf	
P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,3) 8.8 7.3 7.0 4.6 3.2 Drive end Non driv Bearing type : 6308 C3 6207 Sealing : Inpro/Seal Inpro/Lubrication interval : 20000 h Lubricant amount : 11 g 7 Lubricant type : Mobil Polyrex EM Notes:	sses at norma	native operating poin	nts (speed:torque).	in perce	ntage of r	ated output power	<u> </u>	
8.8 7.3 7.0 4.6 3.2 Drive end Non drive end Section Secti						P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25
Bearing type : 6308 C3 6207 Sealing : Inpro/Seal Inpro/ Lubrication interval : 20000 h 2000 Lubricant amount : 11 g 7 Lubricant type : Mobil Polyrex EM							2.3	1.6
	Sealing ubrication inter ubricant amou	unt :	6308 C3 Inpro/Se 20000 h	al n	oil Polyrex	Non drive end 6207 C3 Inpro/Seal 20000 h 7 g		
This revision replaces and cancel the previous one, which these are average which	otes:							
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.	ust be eliminat) Looking the r) Measured at) Approximate anufacturing p	ated. motor from the shat it 1m and with tolera e weight subject to c process.	ft end. ance of +3dB(A).	/hich	power s		s based on tests w he tolerances stipt	

Rev.		Changes Summary	Periormed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/01/2024			1/2	
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

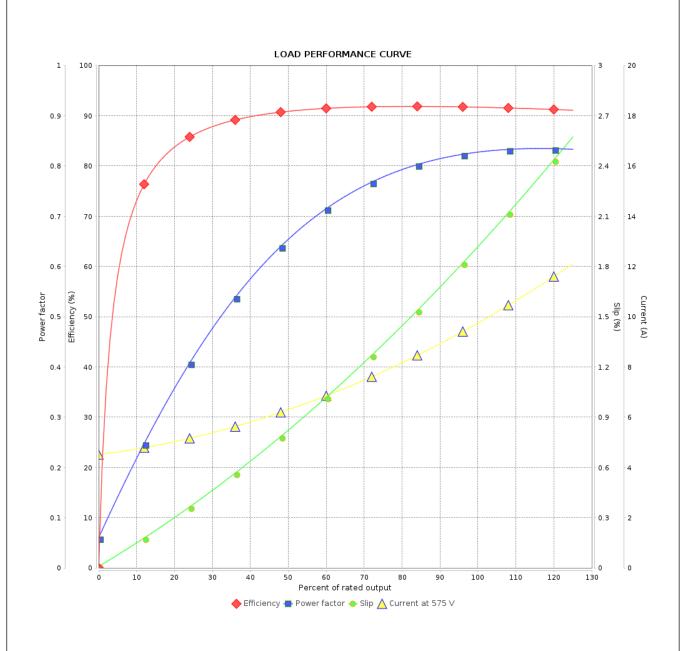
Product line : W22 IEEE 841 NEMA Premium Efficiency

Three-Phase

Product code:

13551471

2/2



: 575 V 60 Hz 4P				
: 9.92 A : 6.4 : 4.11 kgfm : 200 % : 295 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise	: Cont.(S1) : F : 1.25 : 80 K	: F : 1.25 : 80 K	
Changes Summary			Date	
		_	Revision	
	: 9.92 A : 6.4 : 4.11 kgfm : 200 % : 295 % : 1765 rpm	: 9.92 A : 6.4 : 4.11 kgfm : 200 % : 295 % : 1765 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 9.92 A Moment of inertia (J) : 0.0636 kgm : 6.4 Duty cycle : Cont.(S1) : 4.11 kgfm Insulation class : F : 200 % Service factor : 1.25 : 295 % Temperature rise : 80 K : 1765 rpm Design : B	

13/01/2024

Date