DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 12717287 : 284/6TC Cooling method : IC411 - TEFC Frame Insulation class Mounting : F-1 : F Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Approx. weight³ : 169 kg Altitude : 1000 m.a.s.l. Protection degree : IP55 Moment of inertia (J) : 0.3034 kgm² Design : B Output [HP] 10 10 10 10 Poles 8 8 8 8 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 26.8/13.4 16.1 15.3 15.1 L. R. Amperes [A] 150/75.0 70.8 75.0 78.5 LRC [A] 5.6x(Code G) 4.4x(Code E) 4.9x(Code F) 5.2x(Code G) No load current [A] 13.0/6.50 6.40 6.90 7.35 Rated speed [RPM] 880 725 725 730 Slip [%] 2.22 3.33 3.33 2.67 Rated torque [kgfm] 8.25 10.0 10.0 9.94 Locked rotor torque [%] 200 150 170 190 Breakdown torque [%] 240 190 210 229 Service factor 1.25 1.00 1.15 1.15 Temperature rise 80 K 105 K 105 K 105 K Locked rotor time 57s (cold) 32s (hot) 45s (cold) 25s (hot) 45s (cold) 25s (hot) 45s (cold) 25s (hot) Noise level² 54.0 dB(A) 52.0 dB(A) 52.0 dB(A) 52.0 dB(A) 25% 50% 89.5 89.5 88.5 88.5 Efficiency (%) 75% 90.2 88.5 88.5 89.5 100% 90.2 87.5 88.5 88.5 25% 50% 0.61 0.68 0.64 0.61 Power Factor 75% 0.72 0.77 0.74 0.72 0.78 0.80 0.78 100% 0.81 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 10.3 10.3 10.3 10.3 P2 (0,5;1,0) 8.5 8.5 8.5 8.5 P3 (0,25;1,0) 8.4 8.4 8.4 8.4 P4 (0,9;0,5) 5.4 Losses (%) 5.4 5.4 5.4 P5 (0,5;0,5) 3.7 3.7 3.7 3.7 P6 (0,5;0,25) 2.6 2.6 2.6 2.6 P7 (0,25;0,25) 1.8 1.8 1.8 1.8 Non drive end Foundation loads Drive end Bearing type 6311 C3 6211 C3 : 243 kgf Max. traction Sealing V'Ring V'Ring Max. compression : 411 kgf 20000 h Lubrication interval 20000 h Lubricant amount 18 g 11 g Mobil Polyrex EM Lubricant type This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process.

	Rev.		Changes Summary	Performed	Checked	Date
Pe	rformed by					
Cł	necked by				Page	Revision
	Date	15/01/2024			1/6	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:	

otos					
otes SABLE @208'	V 29.6A SF 1.15 S	SFA 34.1A			
				Observational	1
Rev		Changes Summary	Performed	Unecked	Date
Rev.		Changes Summary	Performed	Checked	Date
		Changes Summary	Performed	Спескеа	Date
Rev. erformed by Checked by		Changes Summary	Performed	Page	Date Revision

Three Phase Induction Motor - Squirrel Cage

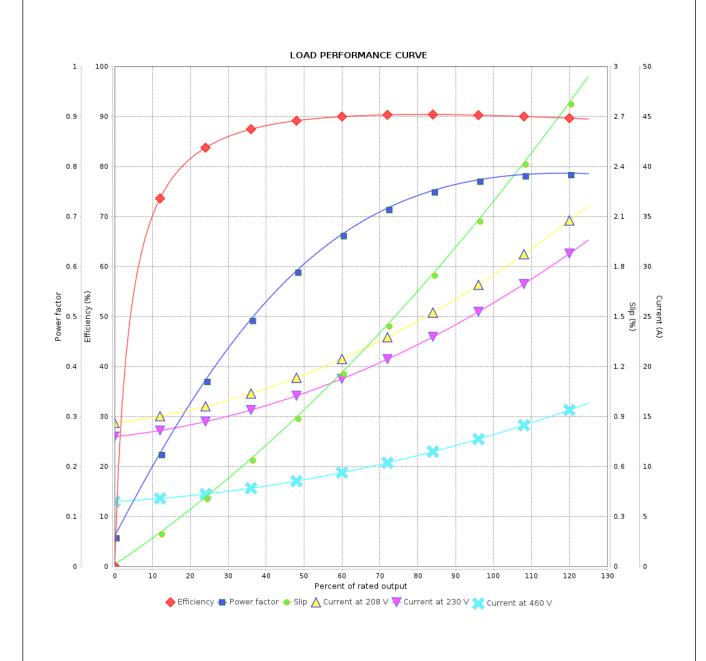


Customer :

Product line : W22 NEMA Premium Efficiency Three- Pr

hasa

Product code: 12717287



Performance	: 2	: 230/460 V 60 Hz 8P					
Rated current	: 2	6.8/13.4 A Moment of inertia (J)		f inertia (J)	: 0.3034 kgm²		
LRC	: 5	.6 Duty cycle		: Cont.(S1)			
Rated torque	: 8	3.25 kgfm	Insulation class		:F		
Locked rotor torq	ue : 2	200 %	Service factor		: 1.25		
Breakdown torqu	e : 2	240 %	Temperature rise		: 80 K		
Rated speed	: 8	: 880 rpm		Design			
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							
Checked by					Page	Revision	
Date	15/01/2024				3/6		

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

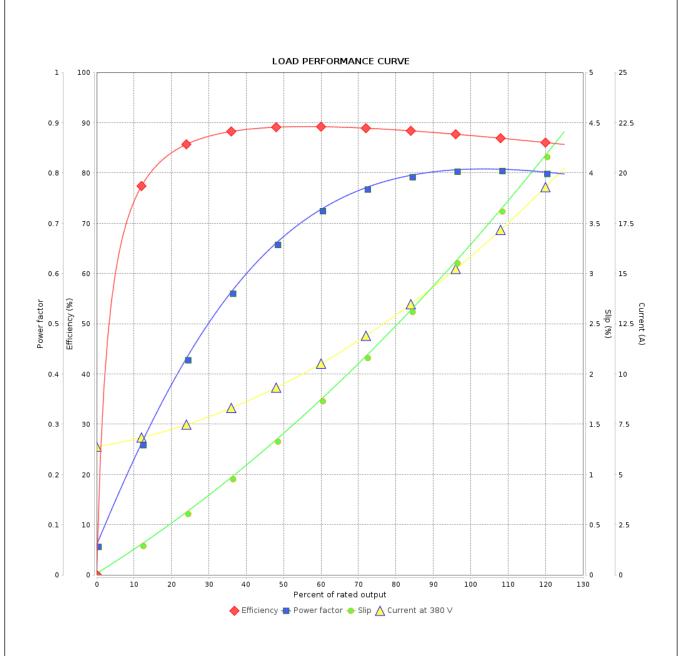
Product code:

12717287

Phase

15/01/2024

Date



Performance	: 380 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 16.1 A : 4.4 : 10.0 kgfm : 150 % : 190 % : 725 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.3034 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

4/6

Three Phase Induction Motor - Squirrel Cage



Revision

Page 5 / 6

Customer :

Checked by

Date

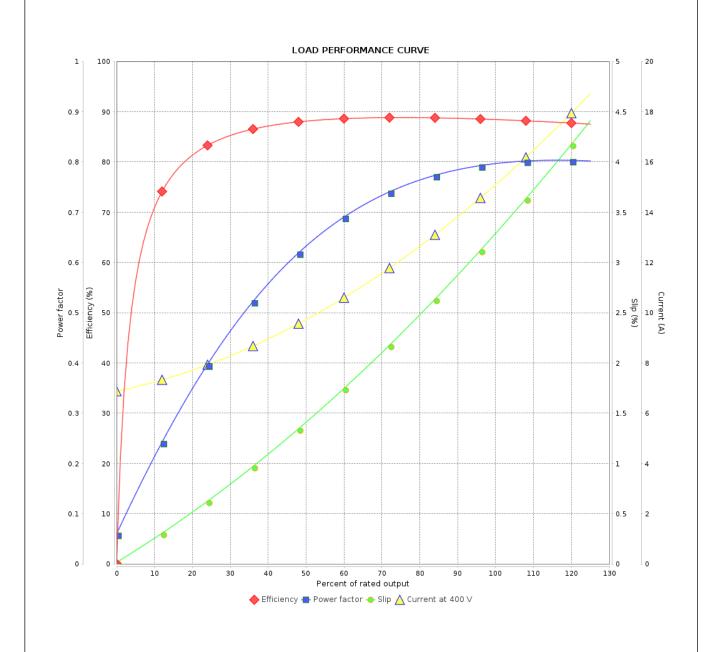
15/01/2024

Product line : W22 NEMA Premium Efficiency Three-

Product code:

12717287





Performance : 400 V 50 Hz 8P IE3 Rated current : 15.3 A Moment of inertia (J) : 0.3034 kgm² **LRC** : 4.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 10.0 kgfm : F Locked rotor torque : 170 % Service factor : 1.15 Breakdown torque : 210 % Temperature rise : 105 K Rated speed : 725 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W22 NEMA Premium Efficiency Three-

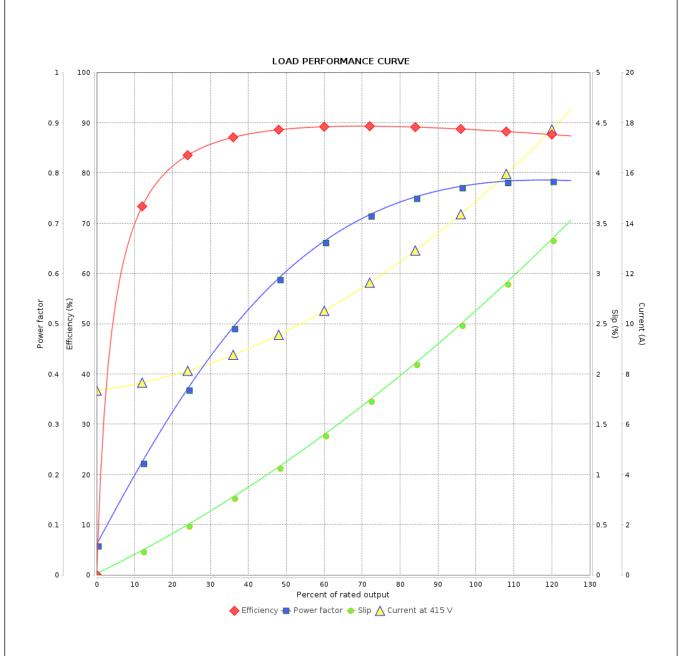
Product code:

12717287

Phase

15/01/2024

Date



Performance	: 415 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 15.1 A : 5.2 : 9.94 kgfm : 190 % : 229 % : 730 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.3034 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

6/6