### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 P Base NEMA Premium Product code: 13129046 Efficiency Three-Phase Frame : 213HP Cooling method : IC411 - TEFC Insulation class Mounting : W-6 : F Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 72.3 kg Altitude Protection degree : IP55 Moment of inertia (J) : 0.0504 kgm<sup>2</sup> Design : B Output [HP] 3 3 3 3 Poles 6 6 6 6 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 8.82/4.41 5.09 4.97 4.93 L. R. Amperes [A] 61.7/30.9 29.5 31.8 33.5 LRC [A] 7.0x(Code K) 5.8x(Code H) 6.4x(Code J) 6.8x(Code K) No load current [A] 5.10/2.55 2.45 2.60 2.75 Rated speed [RPM] 1175 965 970 970 Slip [%] 2.08 3.50 3.00 3.00 Rated torque [kgfm] 1.85 2.26 2.24 2.24 Locked rotor torque [%] 190 170 180 200 Breakdown torque [%] 270 229 240 250 Service factor 1.25 1.00 1.00 1.00 80 K Temperature rise 80 K 80 K 80 K Locked rotor time 104s (cold) 58s (hot) 72s (cold) 40s (hot) 72s (cold) 40s (hot) 72s (cold) 40s (hot) Noise level<sup>2</sup> 55.0 dB(A) 53.0 dB(A) 53.0 dB(A) 53.0 dB(A) 25% 50% 86.5 87.0 87.0 87.0 Efficiency (%) 75% 88.5 88.0 88.0 88.0 100% 89.5 87.5 87.5 87.5 25% 50% 0.50 0.57 0.53 0.50 Power Factor 75% 0.63 0.70 0.66 0.64 0.70 0.75 0.73 0.71 100% Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 13.4 13.4 11.0 13.4 P2 (0,5;1,0) 10.5 10.5 8.6 10.5 P3 (0,25;1,0) 9.7 9.7 9.7 8.0 P4 (0,9;0,5) 8.0 8.0 Losses (%) 6.6 8.0 P5 (0,5;0,5) 5.3 4.3 5.3 5.3 P6 (0,5;0,25) 3.4 4.1 4.1 4.1 P7 (0,25;0,25) 2.4 3.0 3.0 3.0 Non drive end Foundation loads Drive end Bearing type 6309 ZZ 6207 ZZ Max. traction Sealing V'Ring V'Ring Max. compression Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM 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 MG-1. (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. Performed Checked Rev. **Changes Summary** Date Performed by Checked by Page Revision

1/6

27/10/2024

Date

# DATA SHEET



Three Pha	se Induction Motor - Squirrel Cage			шец
Customer	:			
Notes USABLE @208\	/ 9.76A SF 1.15 SFA 11.2A			
Rev.	Changes Summary	Performed	Checked	Date

Rev.		Changes Summary	Performed	Спескеа	Date
Performed by					
Checked by				Page	Revision
Date	27/10/2024			2/6	

### Three Phase Induction Motor - Squirrel Cage

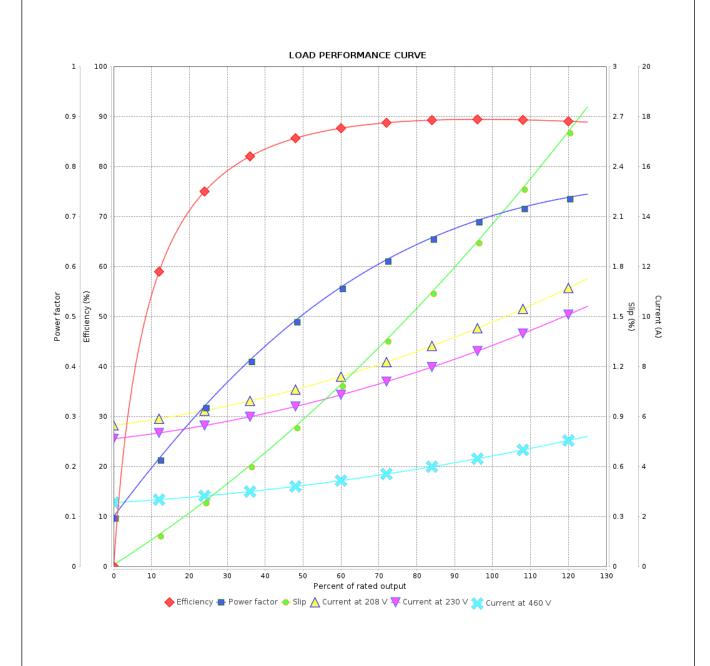


Customer :

Product line : W22 P Base NEMA Premium

Efficiency Three-Phase

Product code: 13129046



Performance	: 230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 8.82/4.41 A : 7.0 : 1.85 kgfm : 190 % : 270 % : 1175 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0504 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

3/6

27/10/2024

Date

### Three Phase Induction Motor - Squirrel Cage

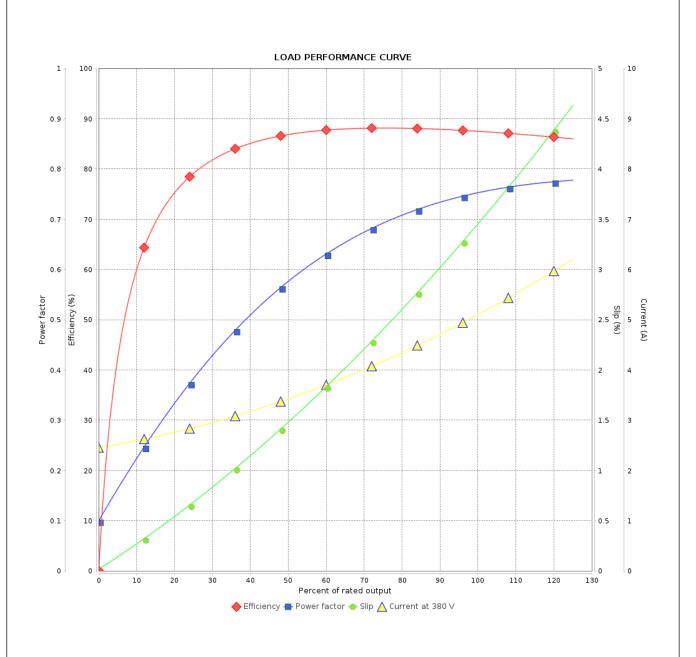


Customer :

Product line : W22 P Base NEMA Premium

Efficiency Three-Phase

Product code: 13129046



Performance	: 38	80 V 50 Hz 6P IE4					
Rated current : 5		.09 A	Moment o	Moment of inertia (J)		2	
LRC : 5.		.8	Duty cycle	Duty cycle			
Rated torque	: 2.	.26 kgfm	Insulation	class	: Cont.(S1) : F		
Locked rotor torqu	e : 1	70 %	Service fa	actor	: 1.00		
Breakdown torque :		29 %	Temperat	Temperature rise		: 80 K	
Rated speed	: 90	65 rpm	Design		: B		
Rev.		Changes Summar	ry	Performed	Checked	Date	
D ( 11		I					
Performed by							
Checked by					Page	Revision	
Date	27/10/2024	1			4/6		

### Three Phase Induction Motor - Squirrel Cage

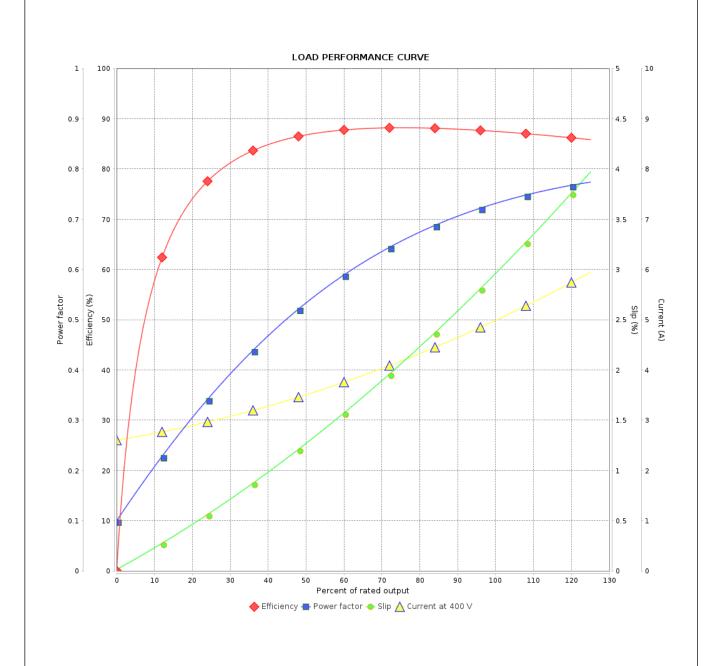


Customer :

Product line : W22 P Base NEMA Premium

Efficiency Three-Phase

Product code: 13129046



Performance		: 400 V 50 Hz 6I	P IE4				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 4.97 A : 6.4 : 2.24 kgfm : 180 % : 240 % : 970 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0504 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.		Changes Su	ımmary		Performed	Checked	Date
Performed by							

Checked by			Page	Revision
Date	27/10/2024		5/6	
This do	cument is exclusive	property of WEG S/A. Reprinting is not allowed without written	authorization of WE	G S/A.
		Subject to change without notice		

### Three Phase Induction Motor - Squirrel Cage

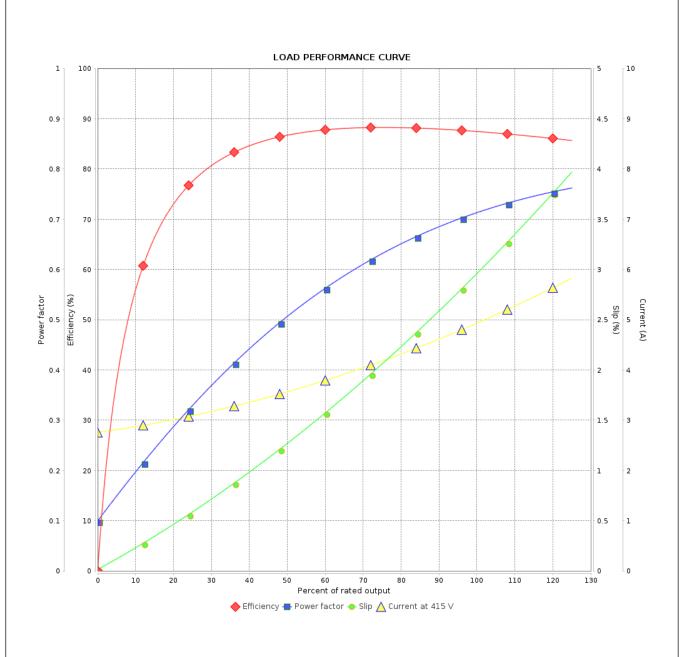


Customer :

Product line : W22 P Base NEMA Premium Efficiency Three-Phase

Product code:

13129046



Performance	: 4	15 V 50 Hz 6P IE4				
Rated current : 4.93 A		Moment of	Moment of inertia (J)		2	
LRC	: 6	.8	Duty cycle	е	: Cont.(S1)	
Rated torque	: 2	.24 kgfm	Insulation class		: F ` ´	
Locked rotor torq	jue : 2	00 %	Service fa	actor	: 1.00	
Breakdown torque : 25		50 %	Temperat	Temperature rise		
Rated speed	: 9	70 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	27/10/2024	1			6/6	