### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 P Base NEMA Premium Product code: 13128967 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> : 78.2 kg Altitude Protection degree : IP55 Moment of inertia (J) : 0.0566 kgm<sup>2</sup> Design : B Output [HP] 7.5 7.5 7.5 7.5 Poles 4 4 4 4 60 50 Frequency [Hz] 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 18.4/9.18 11.0 10.6 10.3 L. R. Amperes [A] 130/65.2 61.6 65.7 69.0 LRC [A] 7.1x(Code H) 5.6x(Code F) 6.2x(Code G) 6.7x(Code H) No load current [A] 8.40/4.20 4.10 4.40 4.70 Rated speed [RPM] 1765 1455 1460 1465 Slip [%] 1.94 3.00 2.67 2.33 Rated torque [kgfm] 3.08 3.74 3.73 3.72 Locked rotor torque [%] 220 170 190 210 Breakdown torque [%] 310 240 270 290 Service factor 1.25 1.25 1.25 1.25 Temperature rise 80 K 80 K 80 K 80 K Locked rotor time 36s (cold) 20s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) Noise level<sup>2</sup> 58.0 dB(A) 56.0 dB(A) 56.0 dB(A) 56.0 dB(A) 25% 50% 89.5 89.5 89.5 89.5 Efficiency (%) 75% 91.0 89.5 90.2 90.2 100% 91.7 89.6 90.2 90.2 25% 50% 0.66 0.72 0.69 0.66 Power Factor 75% 0.76 0.81 0.78 0.76 0.82 0.83 0.82 100% 0.85 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 8.8 8.8 8.8 8.8 P2 (0,5;1,0) 7.0 7.0 7.0 7.0 P3 (0,25;1,0) 6.5 6.5 6.5 6.5 P4 (0,9;0,5) 4.9 4.9 4.9 Losses (%) 4.9 P5 (0,5;0,5) 3.3 3.3 3.3 3.3 P6 (0,5;0,25) 2.4 2.4 2.4 2.4 P7 (0,25;0,25) 1.6 1.6 1.6 1.6 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

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# DATA SHEET



Three Phase Induction Motor - Squirrel Cage	ШБЦ
Customer :	
Notes USABLE @208V 19.9A SF 1.15 SFA 22.9A	

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### Three Phase Induction Motor - Squirrel Cage

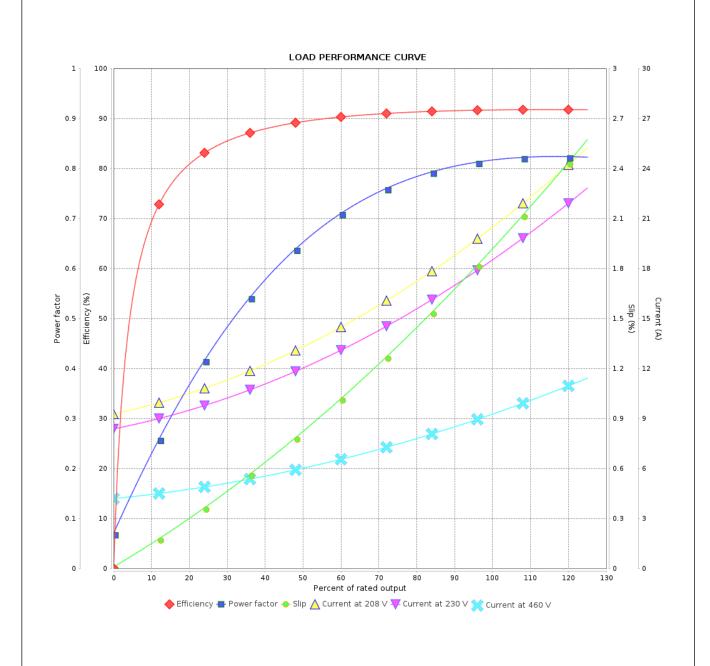


Customer :

Product line : W22 P Base NEMA Premium

Efficiency Three-Phase

Product code: 13128967



Performance	: 230/460 V 60 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 18.4/9.18 A : 7.1 : 3.08 kgfm : 220 % : 310 % : 1765 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0566 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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### Three Phase Induction Motor - Squirrel Cage

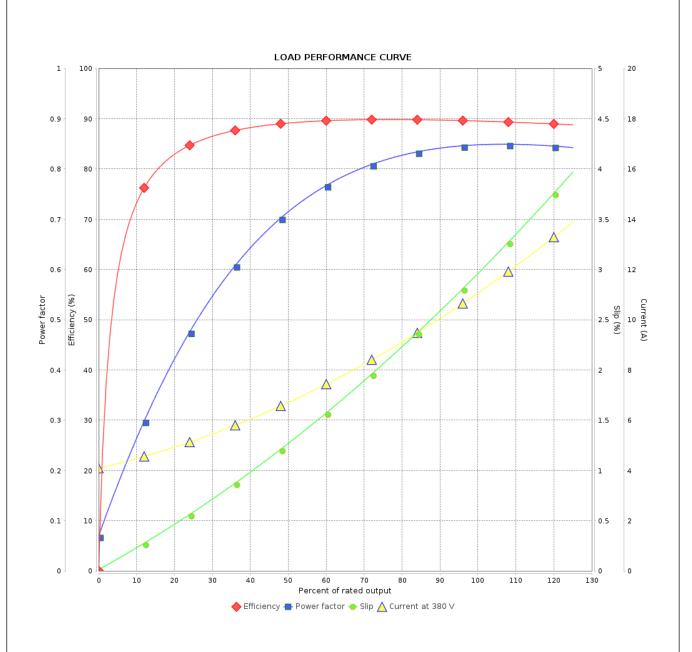


Customer

Product line : W22 P Base NEMA Premium

Efficiency Three-Phase

Product code: 13128967



Performance	: 3	380 V 50 Hz 4P IE3				
Rated current	: 1	11.0 A	.0 A Moment of inertia (J)		: 0.0566 kgm²	
LRC	: 5	5.6	Duty cycle		: Cont.(S1)	
Rated torque	: 3	3.74 kgfm			: F : 1.25	
Locked rotor torqu	ie : 1	170 %				
Breakdown torque	: 2	: 240 % Temperature		ture rise : 80 K		
Rated speed	: 1	1455 rpm	Design		: B	
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### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

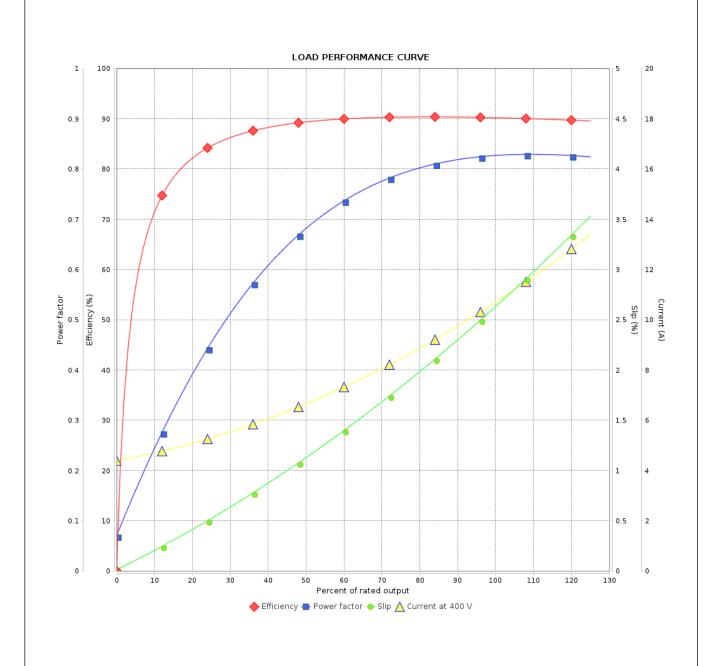
Date

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Product line : W22 P Base NEMA Premium

Efficiency Three-Phase

Product code: 13128967



Performance	: 400 \	V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed	: 10.6 : 6.2 : 3.73 jue : 190	A kgfm %	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0566 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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### Three Phase Induction Motor - Squirrel Cage

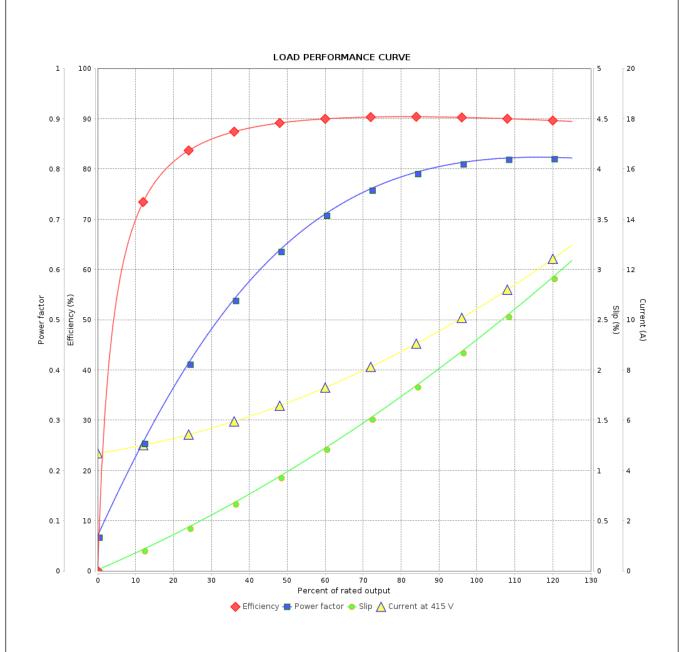


Customer :

Product line : W22 P Base NEMA Premium

Efficiency Three-Phase

Product code: 13128967



Performance	: 415 V 50 Hz 4P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 10.3 A : 6.7 : 3.72 kgfm : 210 % : 290 % : 1465 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0566 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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