DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 11355724 Cooling method Frame : 364/5T : IC411 - TEFC 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 Altitude : 1000 m.a.s.l. : 350 kg Protection degree : IP55 Moment of inertia (J) : 0.9884 kgm² Design : B Output [HP] 30 30 30 30 Poles 8 8 8 8 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 76.2/38.1 45.5 43.3 42.2 L. R. Amperes [A] 472/236 223 238 249 LRC [A] 6.2x(Code G) 4.9x(Code E) 5.5x(Code F) 5.9x(Code G) No load current [A] 32.0/16.0 16.0 17.0 18.0 Rated speed [RPM] 882 725 725 730 Slip [%] 2.00 3.33 3.33 2.67 Rated torque [kgfm] 24.7 30.0 30.0 29.8 Locked rotor torque [%] 160 120 140 150 Breakdown torque [%] 229 160 190 200 1.25 1.00 1.00 1.00 Service factor 80 K 105 K 105 K 105 K Temperature rise Locked rotor time 45s (cold) 25s (hot) 30s (cold) 17s (hot) 34s (cold) 19s (hot) 32s (cold) 18s (hot) Noise level² 60.0 dB(A) 56.0 dB(A) 56.0 dB(A) 56.0 dB(A) 25% 91.3 88.7 90.2 90.3 50% 91.5 89.0 90.5 90.5 Efficiency (%) 75% 91.7 89.5 90.6 90.6 100% 91.7 89.5 90.6 90.6 25% 0.47 0.43 0.40 0.39 50% 0.62 0.71 0.67 0.65 Power Factor 75% 0.73 0.79 0.77 0.75 0.79 0.81 0.80 100% 0.82 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 8.9 8.9 8.9 8.9 P2 (0,5;1,0) 7.7 7.7 7.7 7.7 P3 (0,25;1,0) 7.2 7.2 7.2 7.2 P4 (0,9;0,5) Losses (%) 3.9 3.9 3.9 3.9 2.8 P5 (0,5;0,5) 2.8 2.8 2.8 P6 (0,5;0,25) 1.7 1.7 1.7 1.7 P7 (0,25;0,25) 1.3 1.3 1.3 1.3 Foundation loads Drive end Non drive end 6314 C3 Bearing type 6314 C3 : 495 kaf Max. traction Sealing **WSeal** WSeal Max. compression : 845 kgf 20000 h Lubrication interval 20000 h Lubricant amount 27 g 27 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.

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DATA SHEET



Three Phase Induction Motor - Squirrel Cage	ШЕЦ
Customer :	
Notes USABLE @208V 81.8A SF 1.10 SFA 90.0A	

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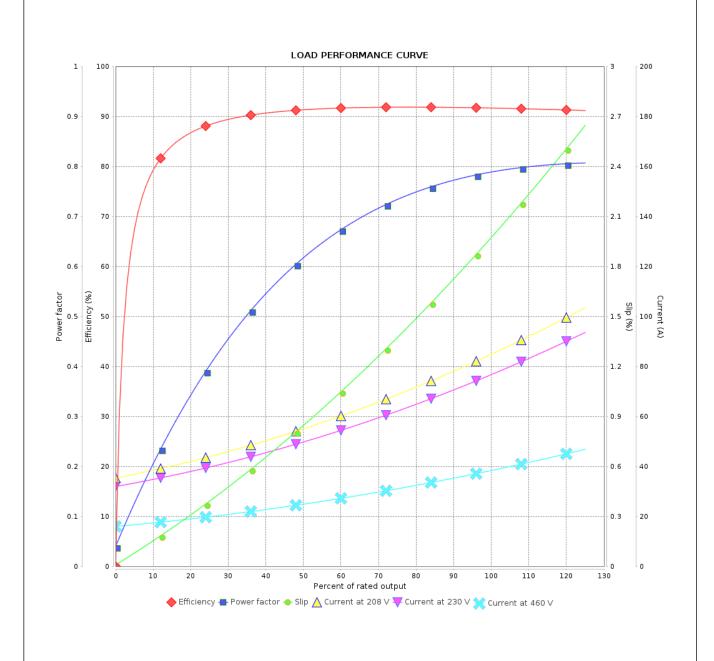


Customer :

Product line : W22 NEMA Premium Efficiency Three- Product

Phase

Product code: 11355724



Performance	::	230/460 V 60 Hz 8P				
Rated current : 76		76.2/38.1 A	Moment of	Moment of inertia (J)		2
LRC : 6.2		6.2	Duty cycle	Duty cycle		
Rated torque : 2		24.7 kgfm	Insulation class		: F	
		160 %	Service fa	Service factor		
Breakdown torque		229 %	Temperati	Temperature rise		
Rated speed	: :	882 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



Customer :

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Date

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Product line : W22 NEMA Premium Efficiency Three-

Product code:

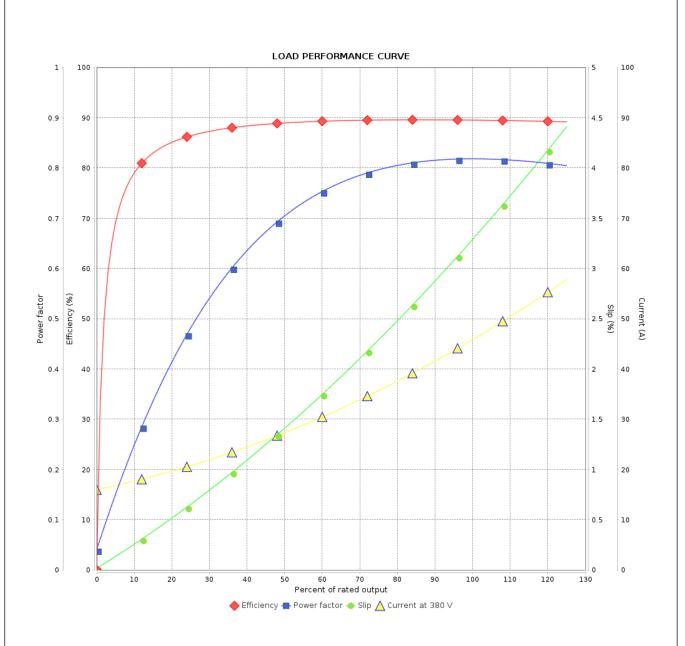
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Revision





Performance	: 380 V 50 Hz 8P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 45.5 A : 4.9 : 30.0 kgfm : 120 % : 160 % : 725 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9884 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
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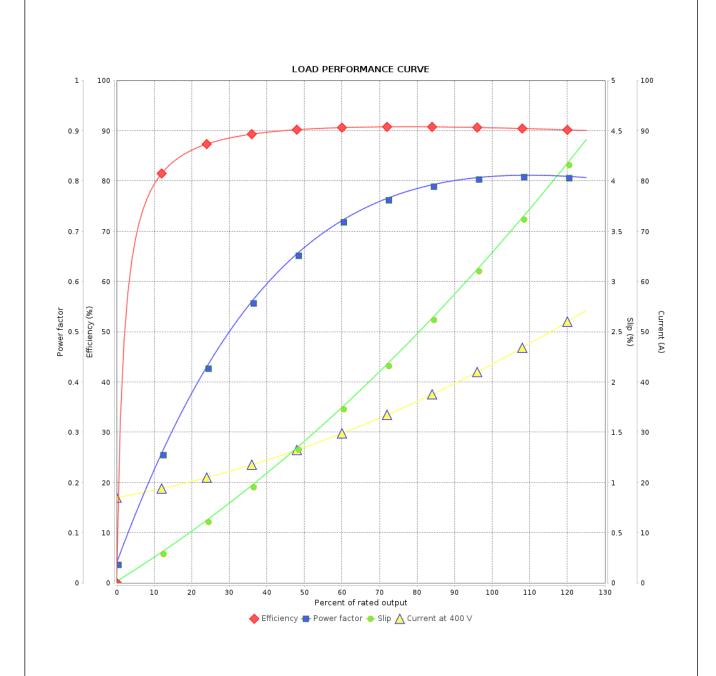
Three Phase Induction Motor - Squirrel Cage



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Customer

Product line : W22 NEMA Premium Efficiency Three-Product code:



Performance	: 4	100 V 50 Hz 8P IE3	3			
Rated current : 43.3 A		3.3 A	Moment o	Moment of inertia (J)		2
LRC : 5		5.5	Duty cycle	Duty cycle		
Rated torque	: 3	0.0 kgfm	Insulation	Insulation class		
Locked rotor torqu	ue : 1	40 %	Service fa	Service factor		
Breakdown torque		90 %	Temperati	Temperature rise		
Rated speed	: 7	'25 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/01/2024

Product line : W22 NEMA Premium Efficiency Three-

Product code:

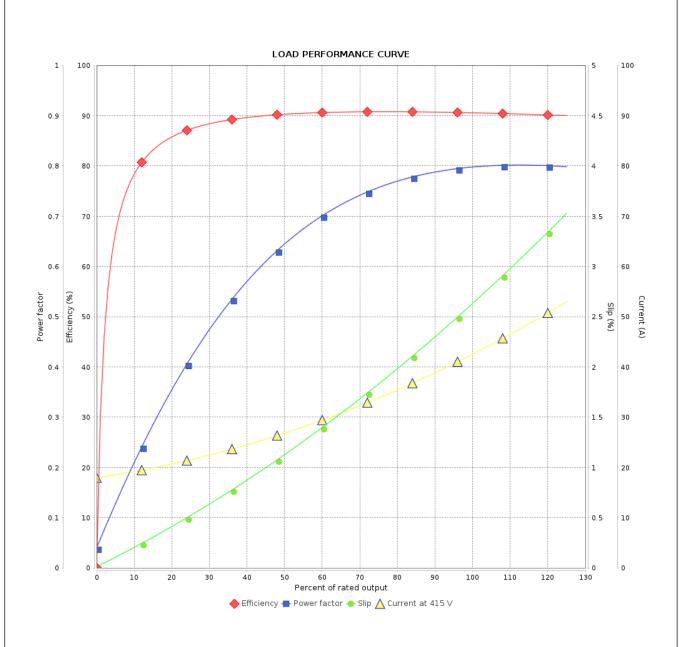
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Revision





Performance	: 415 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 42.2 A : 5.9 : 29.8 kgfm : 150 % : 200 % : 730 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.9884 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
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