DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 11953402 Three-Phase : 143/5TC Cooling method Frame : IC411 - TEFC Insulation class Mounting : F : F-1 Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Approx. weight³ : 25.1 kg Altitude : 1000 m.a.s.l. Protection degree : IP55 Moment of inertia (J) : 0.0026 kgm² Design : B Output [HP] 3 2 2 2 3 3 3 Poles 2 2 2 2 2 2 2 50 Frequency [Hz] 60 50 50 50 50 50 Rated voltage [V] 230/460 380 400 380 400 415 415 Rated current [A] 4.44 7.42/3.71 3.24 3.17 3.15 4.26 4.13 27.1 L. R. Amperes [A] 60.1/30.1 27.9 29.2 29.9 28.5 29.3 LRC [A] 8.1x(Code J) 8.6x(Code L) 9.2x(Code 9.5x(Code 6.1x(Code | 6.7x(Code H) | 7.1x(Code H) M) M) G) No load current [A] 2.60/1.30 1.28 1.43 1.55 1.28 1.43 1.55 Rated speed [RPM] 3460 2890 2905 2910 2820 2840 2850 Slip [%] 3.89 3.67 3.17 3.00 6.00 5.33 5.00 Rated torque [kgfm] 0.629 0.502 0.500 0.499 0.772 0.767 0.764 Locked rotor torque [%] 330 400 459 490 260 300 320 Breakdown torque [%] 360 400 459 509 260 300 330 1.25 Service factor 1.25 1.25 1.00 1.00 1.00 1.00 Temperature rise 80 K 23s (cold) Locked rotor time 25s (cold) 25s (cold) 23s (cold) 23s (cold) 25s (cold) 23s (cold) 14s (hot) 14s (hot) 13s (hot) 13s (hot) 14s (hot) 13s (hot) 13s (hot) Noise level² 68.0 dB(A) 62.0 dB(A) 62.0 dB(A) 62.0 dB(A) 62.0 dB(A) 62.0 dB(A) 62.0 dB(A) 25% 50% 85.5 81.9 82.0 82.2 84.0 84.5 85.0 Efficiency (%) 75% 86.5 84.0 84.4 84.8 85.0 85.5 86.0 100% 86.5 84.8 85.3 85.9 84.6 85.6 86.2 25% 50% 0.70 0.63 0.58 0.55 0.76 0.72 0.69 Power Factor 75% 0.81 0.76 0.72 0.69 0.85 0.82 0.80 0.86 100% 0.83 0.80 0.77 0.89 0.87 0.86 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 14.8 14.8 14.8 14.8 14.8 14.8 14.8 P2 (0,5;1,0) 12.3 12.3 12.3 12.3 12.3 12.3 12.3 P3 (0,25;1,0) 11.7 11.7 11.7 11.7 11.7 11.7 11.7 P4 (0,9;0,5) 6.8 6.8 6.8 6.8 6.8 6.8 6.8 Losses (%) P5 (0,5;0,5) 4.3 4.3 4.3 4.3 4.3 4.3 4.3 P6 (0,5;0,25) 2.6 2.6 2.6 2.6 2.6 2.6 2.6 P7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 (0,25;0,25)Non drive end Drive end Foundation loads Bearing type 6205 ZZ 6204 ZZ : 59 kgf Max. traction Sealing V'Ring V'Ring Max. compression : 84 kgf Lubrication interval Lubricant amount 88000 Lubricant type This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA must be eliminated. (1) Looking the motor from the shaft end. MG-1. Performed Checked Rev. **Changes Summary** Date Performed by Checked by Page Revision 13/11/2025 1/9 Date

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Three Phase Induction Motor - Squirrel Cage



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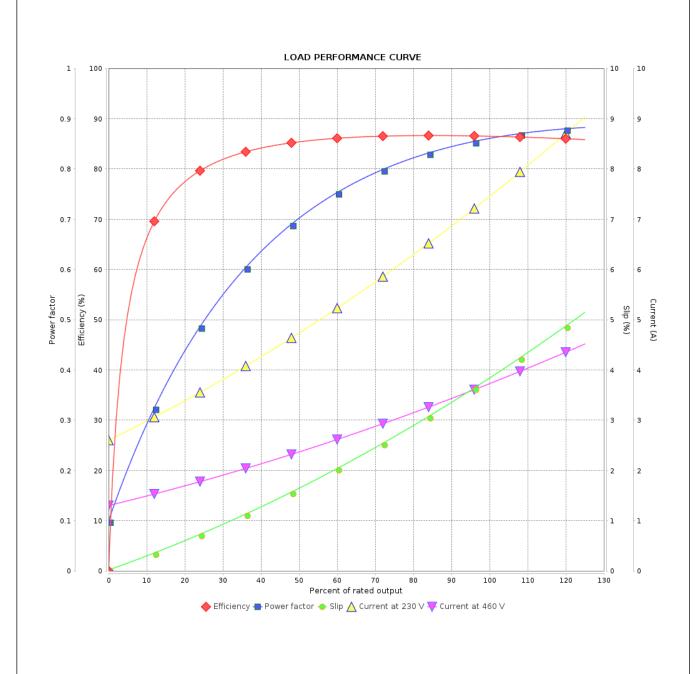
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Product code : 11953402

Three-Phase



Performance	: 230/460 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.42/3.71 A : 8.1 : 0.629 kgfm : 330 % : 360 % : 3460 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		Duty cycle Insulation class Service factor Temperature rise		
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Customer :

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Product line : W22 NEMA Premium Efficiency

Three-Phase

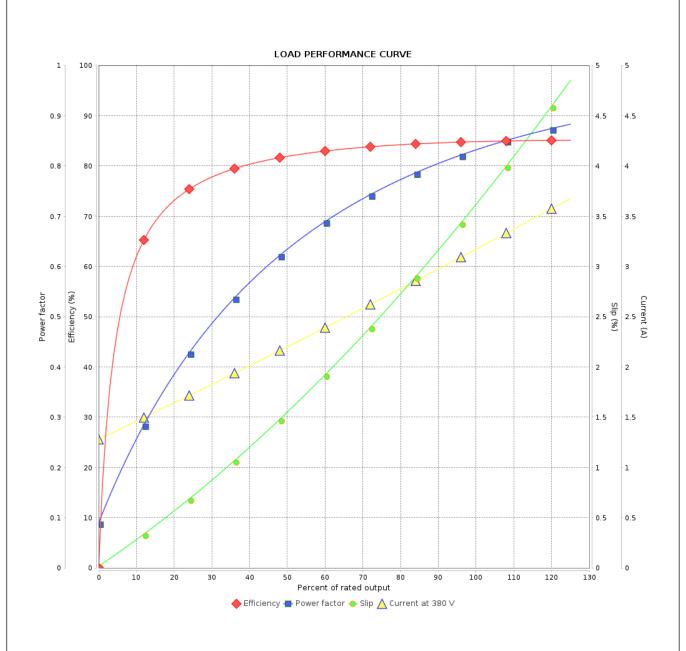
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Performance : 380 V 50 Hz 2P IE3 : 0.0026 kgm² Rated current : 3.24 A Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 8.6 : 0.502 kgfm Insulation class Rated torque : F Locked rotor torque : 400 % Service factor : 1.25 Breakdown torque : 400 % Temperature rise : 80 K Rated speed : 2890 rpm Design : B Changes Summary Rev. Performed Checked Date Performed by

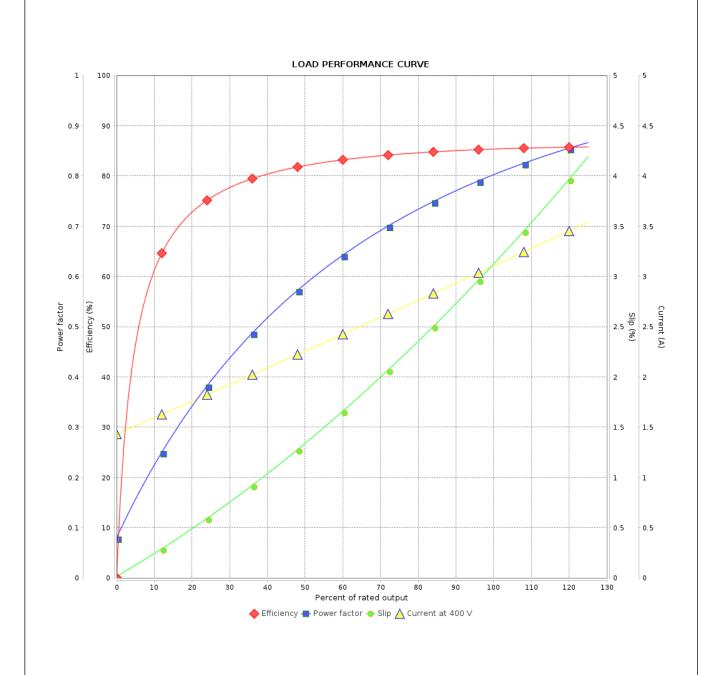
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Product code : 11953402

Three-Phase



Performance	: 400 V 50 Hz 2P IE3				
1 CHOITIANCE	. 400 V 30 112 21 123				
Rated current	: 3.17 A	Moment of inertia (J)		: 0.0026 kgm²	
LRC	: 9.2	Duty cycle		: Cont.(S1)	
Rated torque	: 0.500 kgfm	Insulation class		: F ` ´	
Locked rotor torque	: 459 %	Service factor		: 1.00	
Breakdown torque	: 459 %	Temperature rise		: 80 K	
Rated speed	: 2905 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage

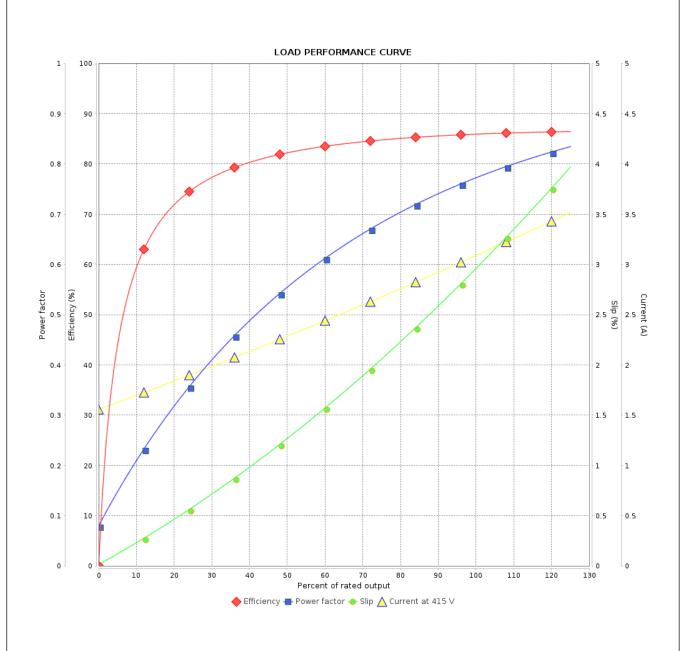


Customer :

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Three-Phase

Product code: 11953402



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Performance	: 415 V 50 Hz 2P IE3						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.15 A : 9.5 : 0.499 kgfm : 490 % : 509 % : 2910 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0026 kgm² : Cont.(S1) : F : 1.00 : 80 K : B			
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Three Phase Induction Motor - Squirrel Cage



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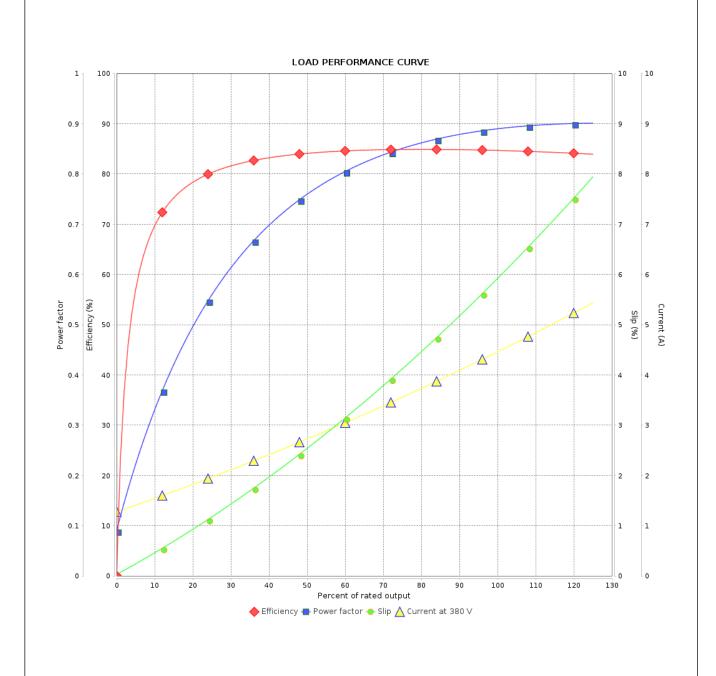
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Product line : W22 NEMA Premium Efficiency Product code : 11953402

Three-Phase



: 380 V 50 Hz 2P IE2				
: 4.44 A : 6.1 : 0.772 kgfm : 260 % :e : 260 % : 2820 rpm	Moment of inertia (J) : 0.0026 kgm Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.25 Temperature rise : 80 K Design : B		2	
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	: 4.44 A : 6.1 : 0.772 kgfm ue : 260 % e : 260 % : 2820 rpm	: 4.44 A Moment o : 6.1 Duty cycle : 0.772 kgfm Insulation ue : 260 % Service fa e : 260 % Temperatu : 2820 rpm Design	: 4.44 A : 6.1 : 0.772 kgfm ue : 260 % e : 2820 rpm Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 4.44 A

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Three Phase Induction Motor - Squirrel Cage



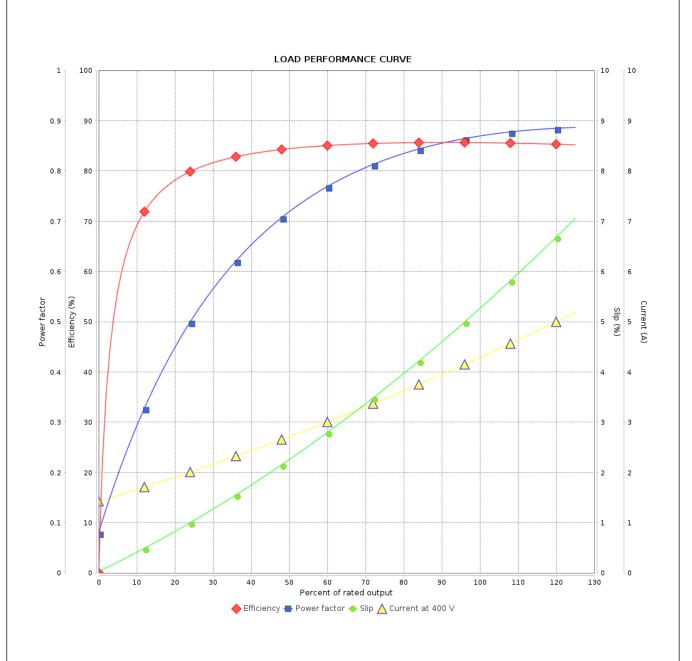
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Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code:

11953402



Performance		: 400 V 50 Hz 2P IE2						
Rated current		.26 A	Moment o	Moment of inertia (J)		2		
LRC : 6		.7	Duty cycle	Duty cycle				
Rated torque	: 0	.767 kgfm	Insulation	class	: F			
Locked rotor torque		00 %	Service fa	Service factor				
Breakdown torque	: 3	00 %	Temperat	Temperature rise				
Rated speed	: 2	: 2840 rpm			: B			
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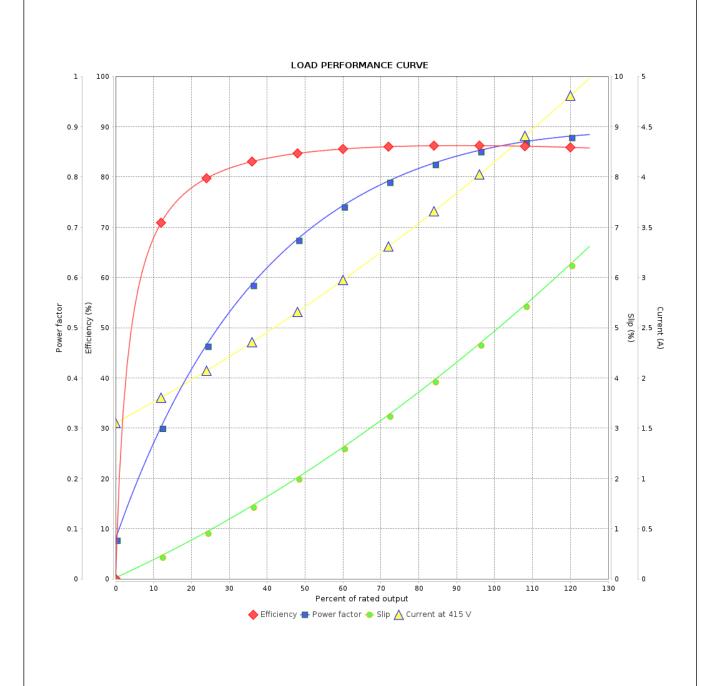
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Product code : 11953402

Three-Phase



Performance	: 415 V 50 Hz 2P IE3					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.13 A : 7.1 : 0.764 kgfm : 320 % : 330 % : 2850 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.00 Temperature rise : 80 K		
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