DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Rolled Steel NEMA Premium Product code: 12675351 Efficiency Three-Phase : 182/4TC 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 : 1000 m.a.s.l. Approx. weight³ : 28.4 kg Altitude Protection degree : IP55 Moment of inertia (J) : 0.0066 kgm² Design : B Output [HP] 3 2 2 Poles 2 2 2 Frequency [Hz] 60 50 50 Rated voltage [V] 230/460 190-220/380 415 Rated current [A] 7.52/3.76 6.56-5.67/3.28 3.19 L. R. Amperes [A] 66.2/33.1 60.4-52.1/30.2 33.2 LRC [A] 8.8x(Code K) 9.2x(Code L) 10.4x(Code N) No load current [A] 3.40/1.70 3.40-2.94/1.70 2.00 Rated speed [RPM] 3515 2920 2940 Slip [%] 2.36 2.67 2.00 Rated torque [kgfm] 0.619 0.497 0.494 Locked rotor torque [%] 240 300 350 Breakdown torque [%] 350 400 480 Service factor 1.15 1.15 1.15 80 K 80 K 80 K Temperature rise 55s (cold) 31s (hot) Locked rotor time 45s (cold) 25s (hot) 46s (cold) 26s (hot) Noise level² 68.0 dB(A) 65.0 dB(A) 65.0 dB(A) 25% 50% 84.0 83.3 81.6 Efficiency (%) 75% 86.5 85.0 85.1 100% 86.5 85.9 86.2 25% 50% 0.70 0.62 0.56 Power Factor 75% 0.80 0.73 0.67 0.76 100% 0.85 0.81 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 14.5 14.2 P2 (0,5;1,0) 10.4 11.0 10.7 P3 (0,25;1,0) 10.2 10.8 10.5 P4 (0,9;0,5) 9.0 Losses (%) 8.6 8.8 P5 (0,5;0,5) 4.8 5.1 4.9 P6 (0,5;0,25) 3.5 3.7 3.6 P7 (0,25;0,25) 2.2 2.3 2.3 Non drive end Foundation loads Drive end 6206 ZZ 6205 ZZ Bearing type : 35 kaf Max. traction Sealing V'Ring Without : 63 kgf Max. compression Bearing Seal 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 (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). Performed Rev. **Changes Summary** Checked Date Performed by Checked by Page Revision

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05/08/2025

Date

DATA SHEET



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Customer	:			
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Three Phase Induction Motor - Squirrel Cage



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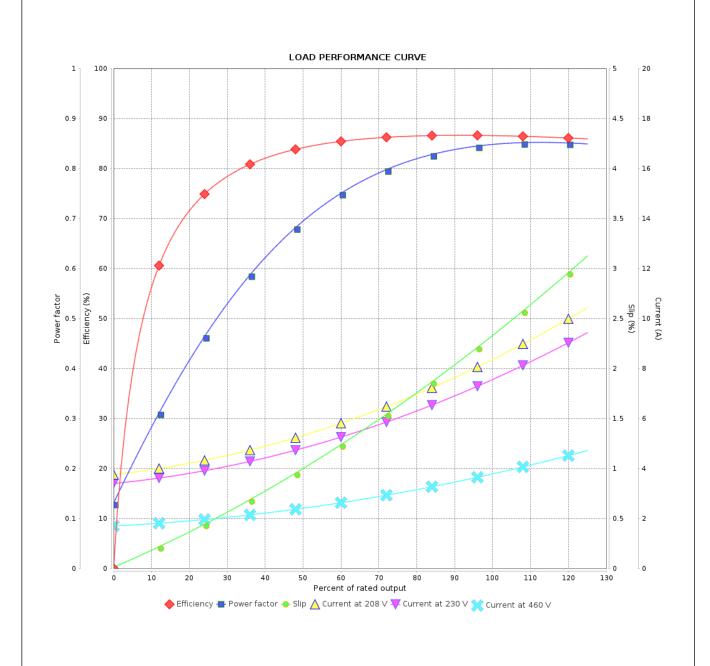
Customer :

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Product line : Rolled Steel NEMA Premium

Efficiency Three-Phase

Product code: 12675351



Performance		: 230/460 V 60 Hz 2P					
1 CHOITIGHOC		: 200/400 V 00 HZ 21					
Rated current		: 7.52/3.76 A	Moment of	Moment of inertia (J)		2	
LRC		: 8.8	Duty cycle	Duty cycle		: Cont.(S1)	
Rated torque		: 0.619 kgfm	Insulation	Insulation class		: F	
Locked rotor torque		: 240 %	Service fa	Service factor			
Breakdown torque		: 350 %	Temperati	Temperature rise		: 80 K	
Rated speed		: 3515 rpm	Design	Design			
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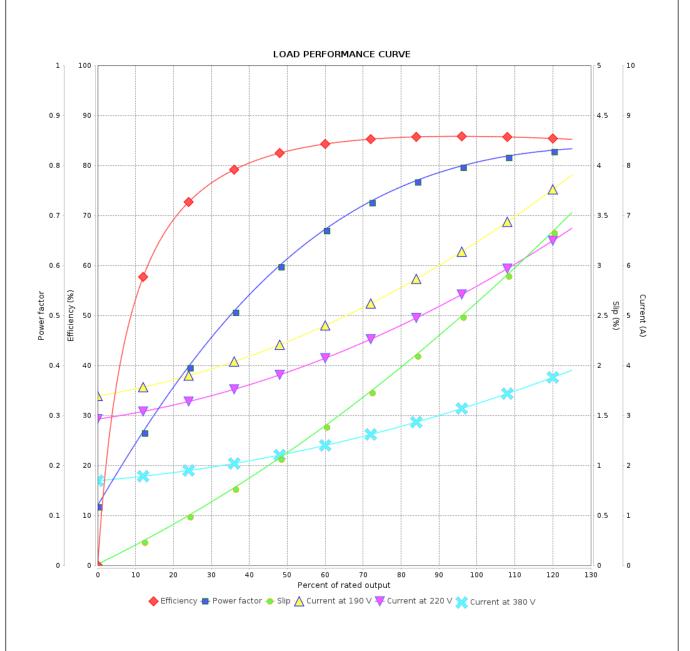


Customer

Product line : Rolled Steel NEMA Premium

Efficiency Three-Phase

Product code: 12675351



Performance		: 190-220/380 V 50 Hz 2P					
Rated current : 6		5.56-5.67/3.28 A	Moment of	Moment of inertia (J)		2	
LRC : 9.		.2	Duty cycle	Duty cycle			
Rated torque : 0		.497 kgfm	Insulation class		: Cont.(S1) : F		
•		00 %	Service factor		: 1.15		
Breakdown torqu	ue : 4	.00 %	Temperature rise		: 80 K		
Rated speed	: 2	920 rpm	Design		: B		
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Customer :

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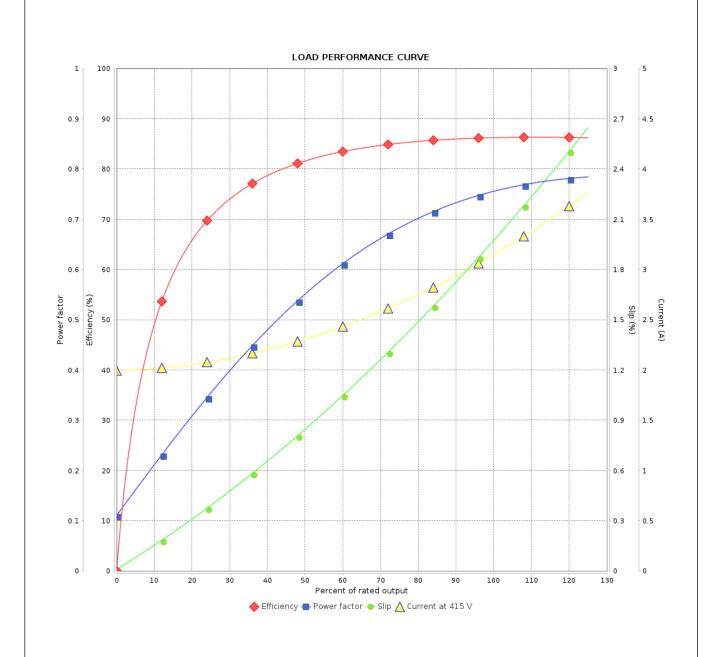
Date

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Product line : Rolled Steel NEMA Premium

Efficiency Three-Phase

Product code: 12675351



Performance	: 415 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.19 A : 10.4 : 0.494 kgfm : 350 % : 480 % : 2940 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0066 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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