### DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 11606445 Frame : 254/6TC Cooling method : IC411 - TEFC Insulation class Mounting : F-1 Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Altitude : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 139 kg Protection degree : IP55 Moment of inertia (J) : 0.1867 kgm<sup>2</sup> Design : B Output [HP] 10 10 10 10 Poles 6 6 6 6 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 415 380 400 Rated current [A] 26.6/13.3 15.4 14.8 14.4 L. R. Amperes [A] 173/86.5 78.5 84.4 87.8 5.7x(Code G) LRC [A] 6.5x(Code H) 5.1x(Code F) 6.1x(Code H) No load current [A] 12.0/6.00 6.40 6.80 7.20 Rated speed [RPM] 1175 965 970 975 Slip [%] 2.08 3.50 3.00 2.50 Rated torque [kgfm] 6.18 7.52 7.48 7.44 Locked rotor torque [%] 229 170 200 220 Breakdown torque [%] 280 220 240 260 Service factor 1.25 1.00 1.15 1.15 Temperature rise 80 K 105 K 105 K 80 K 39s (cold) 22s (hot) 39s (cold) 22s (hot) Locked rotor time 46s (cold) 26s (hot) 39s (cold) 22s (hot) Noise level<sup>2</sup> 59.0 dB(A) 57.0 dB(A) 57.0 dB(A) 57.0 dB(A) 25% 50% 90.2 90.2 90.2 89.5 Efficiency (%) 75% 91.0 89.5 90.2 90.2 100% 91.0 89.1 89.5 89.5 25% 50% 0.63 0.66 0.63 0.60 Power Factor 75% 0.74 0.79 0.77 0.75 0.78 0.83 0.82 0.81 100% Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 9.8 9.8 9.8 P2 (0,5;1,0) 8.4 8.4 8.4 8.4 P3 (0,25;1,0) 7.8 7.8 7.8 7.8 P4 (0,9;0,5) Losses (%) 5.0 5.0 5.0 5.0 P5 (0,5;0,5) 3.6 3.6 3.6 3.6 P6 (0,5;0,25) 2.5 2.5 2.5 2.5 P7 (0,25;0,25) 1.8 1.8 1.8 1.8 Non drive end Foundation loads Drive end Bearing type 6309 C3 6209 C3 Max. traction : 235 kgf Sealing V'Ring V'Ring Max. compression : 374 kgf 20000 h Lubrication interval 20000 h Lubricant amount 13 g 9 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 Inc	duction Motor - Sq	uirrel Cage		шеч
Customer	:			
Notes	DE 4.45.051.00.00			
USABLE @208V 28.5A S	SF 1.15 SFA 32.8A			
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### Three Phase Induction Motor - Squirrel Cage

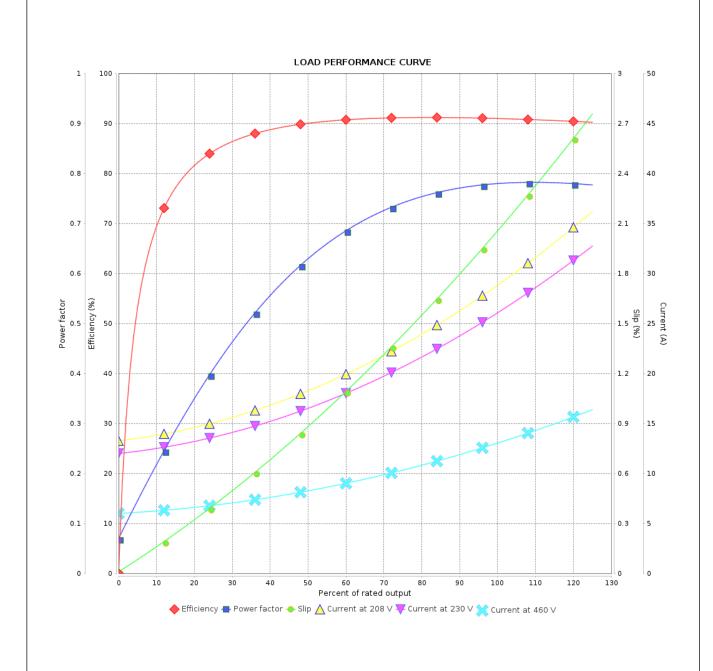


11606445

Customer :

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

Phase



Performance	:	230/460 V 60 Hz 6P					
Rated current	:	26.6/13.3 A	Moment o	Moment of inertia (J)			
LRC		6.5	Duty cycle	Duty cycle		: Cont.(S1)	
Rated torque	:	6.18 kgfm	Insulation	class	:F		
Locked rotor torque	e :	229 %	Service factor		: 1.25		
Breakdown torque	:	280 %	Temperature rise		: 80 K		
Rated speed	:	1175 rpm	Design		: B		
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### Three Phase Induction Motor - Squirrel Cage



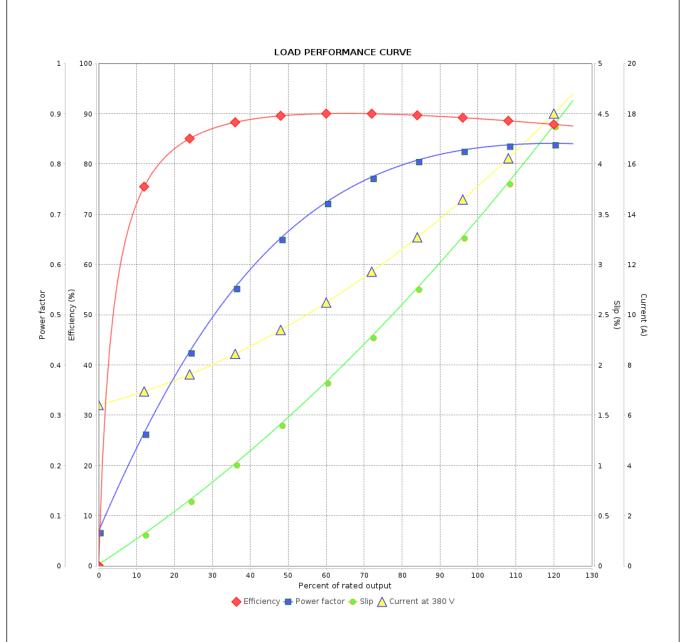
Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

11606445





Performance	: 380 V 50 Hz 6P IE3				
Rated current	: 15.4 A	Moment of inertia (J)		: 0.1867 kgm²	
LRC	: 5.1 Duty cycle		cycle		
Rated torque	: 7.52 kgfm	Insulation class		: F ` ´	
Locked rotor torque	: 170 %	Service factor		: 1.00	
Breakdown torque	: 220 %	Temperature rise		: 105 K	
Rated speed	: 965 rpm	Design		: B	
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Date

### Three Phase Induction Motor - Squirrel Cage

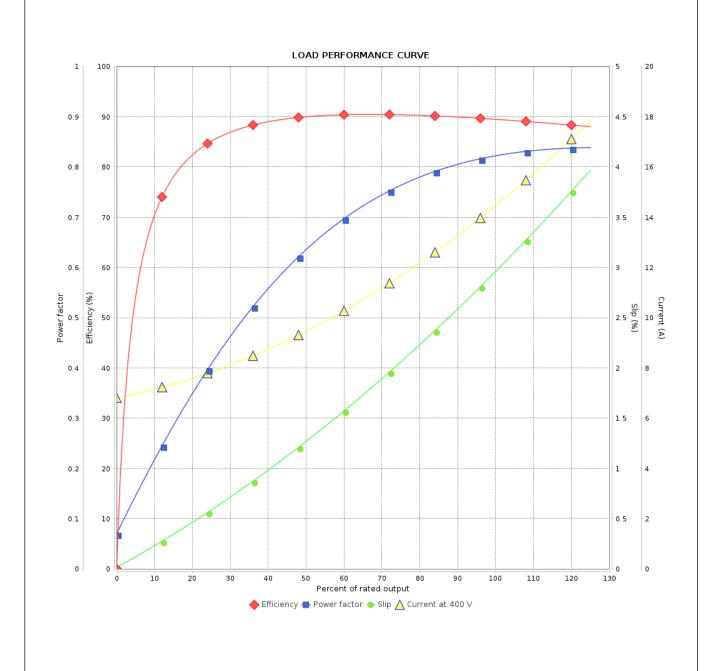


Customer :

Product line : W22 NEMA Premium Efficiency Three-

Phase

Product code: 11606445



Performance : 4		00 V 50 Hz 6P IE3				
Rated current : 14		4.8 A	Moment o	f inertia (J)	: 0.1867 kgm²	
LRC : 5.7		7 Duty cycle		e : Cont.(S1)		
Rated torque : 7		.48 kgfm	Insulation class		: F	
Locked rotor torque : 2		00 %	Service factor		: 1.15	
Breakdown torque	: 2	40 %	Temperature rise		: 105 K	
Rated speed	: 9	70 rpm	Design		: B	
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### Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

26/04/2024

Product line : W22 NEMA Premium Efficiency Three-

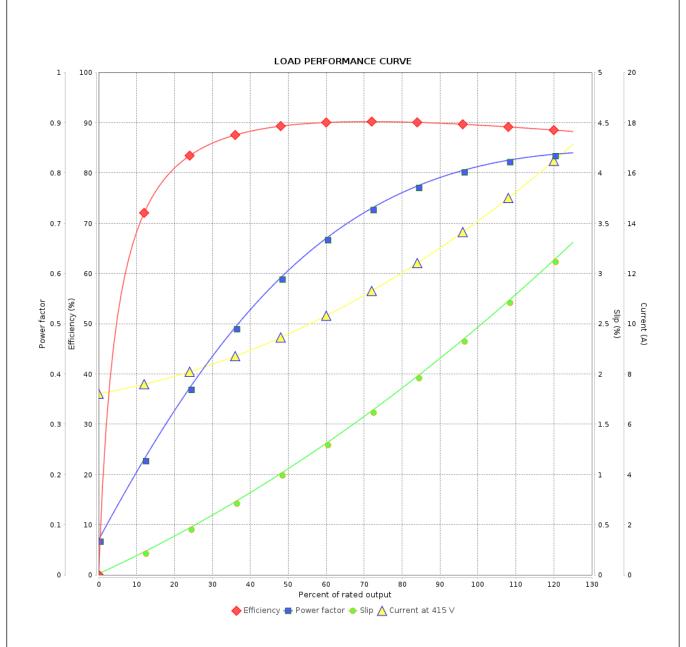
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Performance	: 4	15 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 7 jue : 2	4.4 A 5.1 7.44 kgfm 120 % 160 % 175 rpm	Moment of inertia (J) : 0.1867 kgm²  Duty cycle : Cont.(S1)  Insulation class : F  Service factor : 1.15  Temperature rise : 80 K  Design : B			
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