DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 11456826 : 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 Altitude : 46.8 kg Protection degree : IP55 Moment of inertia (J) : 0.0262 kgm² Design : B Output [HP] 2 2 2 2 Poles 6 6 6 6 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 6.44/3.22 3.66 3.61 3.58 L. R. Amperes [A] 48.3/24.2 22.0 24.2 25.4 7.1x(Code L) LRC [A] 7.5x(Code L) 6.0x(Code J) 6.7x(Code K) No load current [A] 3.80/1.90 1.90 2.05 2.15 Rated speed [RPM] 1170 960 965 965 Slip [%] 2.50 4.00 3.50 3.50 Rated torque [kgfm] 1.24 1.51 1.50 1.50 Locked rotor torque [%] 300 229 280 310 Breakdown torque [%] 350 260 310 340 Service factor 1.25 1.00 1.00 1.00 80 K 80 K 80 K 80 K Temperature rise Locked rotor time 55s (cold) 31s (hot) 36s (cold) 20s (hot) 36s (cold) 20s (hot) 36s (cold) 20s (hot) Noise level² 52.0 dB(A) 49.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 50% 86.5 85.5 85.5 85.0 Efficiency (%) 75% 87.5 86.0 86.5 86.5 100% 88.5 86.5 87.0 87.0 25% 50% 0.46 0.53 0.49 0.46 Power Factor 75% 0.58 0.65 0.62 0.59 0.72 0.69 0.67 100% 0.66 Losses at normative operating points (speed;torque), in percentage of rated output power 12.3 P1 (0,9;1,0) 12.3 12.3 12.3 P2 (0,5;1,0) 9.8 9.8 9.8 9.8 P3 (0,25;1,0) 9.2 9.2 9.2 9.2 P4 (0,9;0,5) 7.4 Losses (%) 7.4 7.4 7.4 P5 (0,5;0,5) 5.0 5.0 5.0 5.0 P6 (0,5;0,25) 3.9 3.9 3.9 3.9 P7 (0,25;0,25) 2.9 2.9 2.9 2.9 Foundation loads Drive end Non drive end Bearing type 6207 ZZ 6206 ZZ : 83 kaf Max. traction Sealing V'Ring V'Ring : 130 kgf 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 (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 7.13A SF 1.15 SFA 8.20A	

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Three Phase Induction Motor - Squirrel Cage

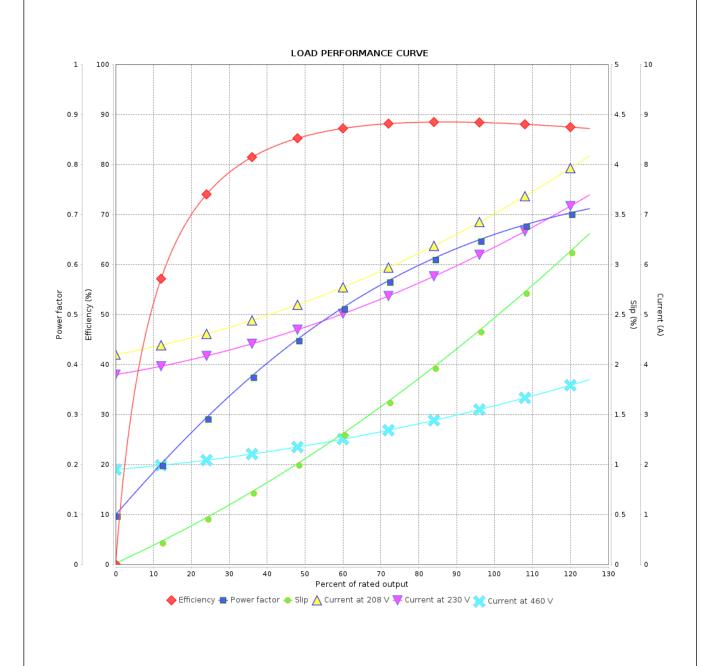


Customer :

Product line : W22 NEMA Premium Efficiency Three- Prod

Phase

Product code: 11456826



Performance	::	230/460 V 60 Hz 6P				
Rated current	:	6.44/3.22 A	22 A Moment of inertia (J)		: 0.0262 kgm²	
LRC		7.5	Duty cycle	Duty cycle		
Rated torque		1.24 kgfm	Insulation	Insulation class		
Locked rotor torque	e :	300 %	Service fa	Service factor		
Breakdown torque	:	350 %	Temperature rise		: 80 K	
Rated speed	:	1170 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



Customer :

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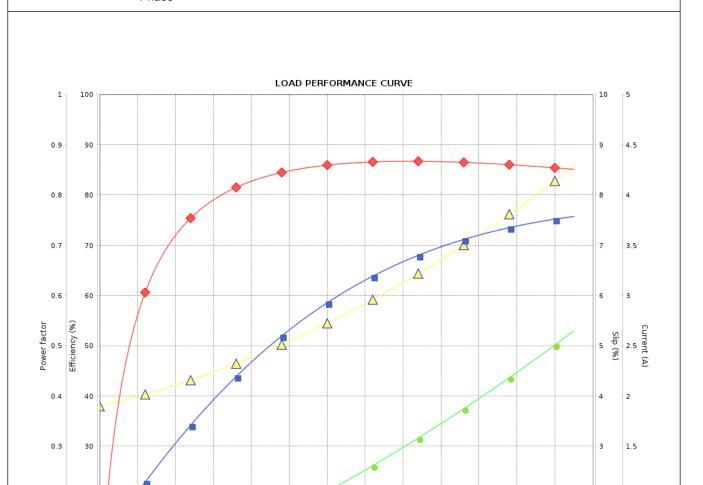
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Product line : W22 NEMA Premium Efficiency Three-

Product code:

11456826

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Performance		: 380 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 3.66 A : 6.0 : 1.51 kgfm : 229 % : 260 % : 960 rpm	Moment of Duty cycle Insulation Service far Temperate Design	class ctor	: 0.0262 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	2
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Percent of rated output

◆ Efficiency - Power factor - Slip A Current at 380 ∨

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Three Phase Induction Motor - Squirrel Cage

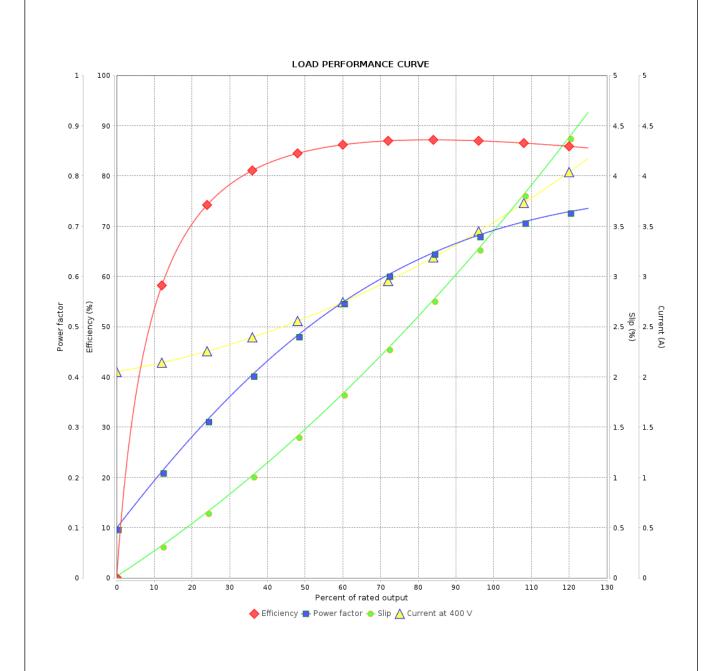


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Customer :

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

Phase



Breakdown torque Rated speed	: 310 % : 965 rpm	Temperatu Design	ire rise	: 80 K : B	
Locked rotor torque	: 280 %	Service factor		: 1.00	
Rated torque	: 1.50 kgfm	Insulation class		: F	
LRC	: 6.7	Duty cycle		: Cont.(S1)	
Rated current	: 3.61 A	Moment of inertia (J)		: 0.0262 kgm²	
Performance	: 400 V 50 Hz 6P IE4				

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Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W22 NEMA Premium Efficiency Three-

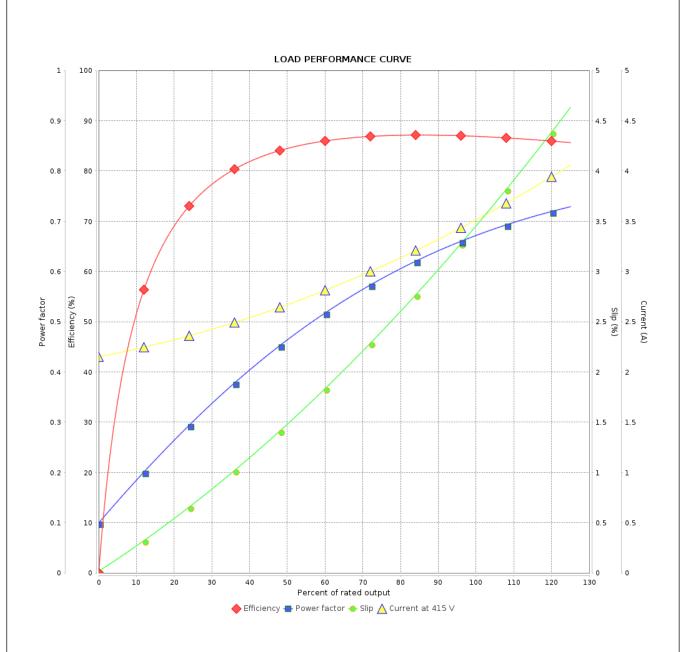
Product code:

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25/04/2024

Date



Performance	: 415 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 3.58 A : 7.1 : 1.50 kgfm : 310 % : 340 % : 965 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0262 kgm ² : Cont.(S1) : F : 1.00 : 80 K : B	
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