DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 11723875 : 213/5T 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 Altitude : 1000 m.a.s.l. : 75.5 kg Protection degree : IP55 Moment of inertia (J) : 0.0566 kgm² Design : B Output [HP] 7.5 7.5 7.5 7.5 Poles 4 4 4 4 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 18.4/9.18 11.0 10.6 10.3 L. R. Amperes [A] 130/65.2 61.6 65.7 69.0 LRC [A] 7.1x(Code H) 5.6x(Code F) 6.2x(Code G) 6.7x(Code H) No load current [A] 8.40/4.20 4.10 4.40 4.70 Rated speed [RPM] 1765 1455 1460 1465 Slip [%] 1.94 3.00 2.67 2.33 Rated torque [kgfm] 3.08 3.74 3.73 3.72 Locked rotor torque [%] 220 170 190 210 Breakdown torque [%] 310 240 270 290 1.25 1.25 1.25 1.25 Service factor 80 K 80 K 80 K 80 K Temperature rise Locked rotor time 36s (cold) 20s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) Noise level² 58.0 dB(A) 56.0 dB(A) 56.0 dB(A) 56.0 dB(A) 25% 50% 89.5 89.5 89.5 89.5 Efficiency (%) 75% 91.0 89.5 90.2 90.2 100% 91.7 89.6 90.2 90.2 25% 50% 0.66 0.72 0.69 0.66 Power Factor 75% 0.76 0.81 0.78 0.76 0.82 0.83 0.82 100% 0.85 Losses at normative operating points (speed;torque), in percentage of rated output power 8.8 8.8 P1 (0,9;1,0) 8.8 8.8 P2 (0,5;1,0) 7.0 7.0 7.0 7.0 P3 (0,25;1,0) 6.5 6.5 6.5 6.5 P4 (0,9;0,5) Losses (%) 4.9 4.9 4.9 4.9 3.3 P5 (0,5;0,5) 3.3 3.3 3.3 P6 (0,5;0,25) 2.4 2.4 2.4 2.4 P7 (0,25;0,25) 1.6 1.6 1.6 1.6 Foundation loads Drive end Non drive end Bearing type 6308 ZZ 6207 ZZ : 161 kgf Max. traction Sealing V'Ring V'Ring : 237 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

(3) Approximate weight subject to changes after manufacturing process.

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DATA SHEET



Three Phase Induction Motor - Squirrel Cage	<u> </u>
Customer :	
Notes USABLE @208V 19.9A SF 1.15 SFA 22.9A	
USABLE @200V 19.9A SF 1.15 SFA 22.9A	

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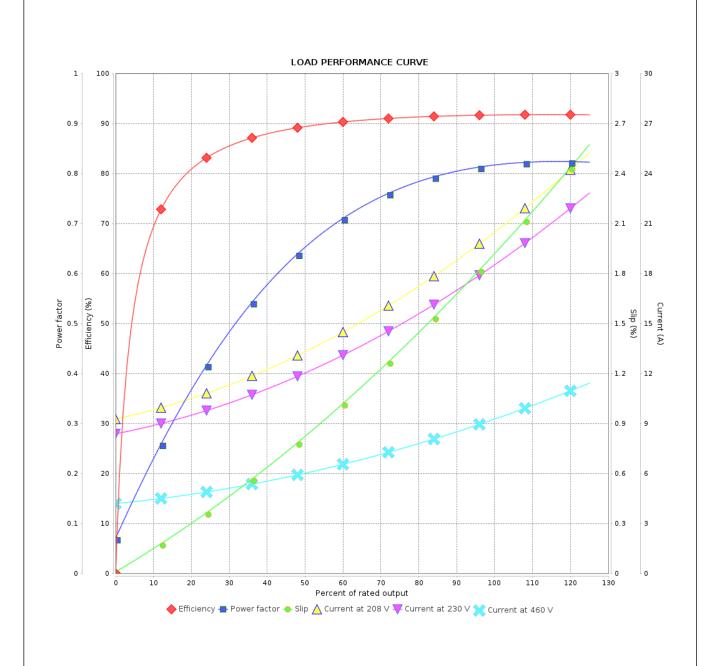
Three Phase Induction Motor - Squirrel Cage



11723875

Customer

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



Performance	: 23	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		8.4/9.18 A .1 .08 kgfm 20 % 10 %	Duty cycle Insulation Service fa Temperati	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		2
Rated speed : 1765 rpm Rev. Changes Summary		Design	Performed	: B Checked	Date	
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Three Phase Induction Motor - Squirrel Cage

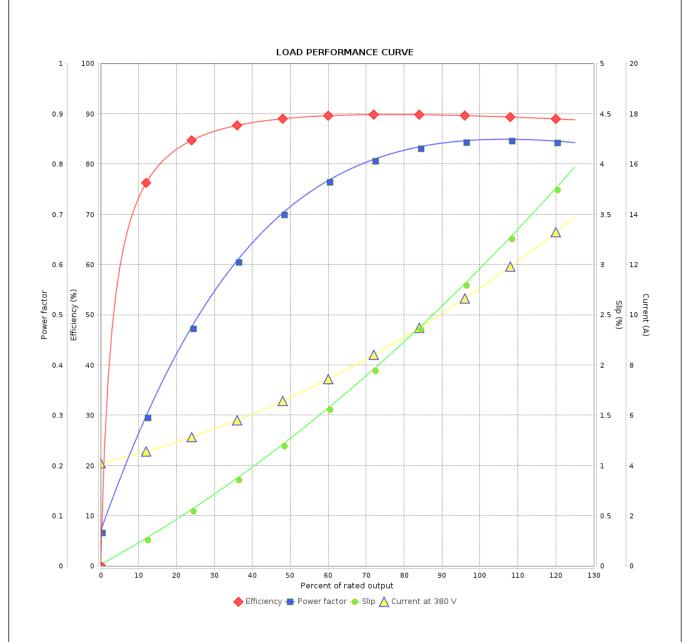


Customer

Product line : W22 NEMA Premium Efficiency ThreeProduct code:

11723875





Performance	. 3	80 V 50 Hz 4P IE3				
Rated current : 1°		1.0 A	Moment of	Moment of inertia (J)		2
LRC : 5.		5.6	Duty cycle	Duty cycle		
Rated torque	: 3	.74 kgfm Insulation class		class	: F	
Locked rotor torqu	ue : 1	70 %	Service fa	ctor	: 1.25	
Breakdown torque ::		240 %	Temperati	Temperature rise		
Rated speed		455 rpm	Design	Design : B		
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Three Phase Induction Motor - Squirrel Cage

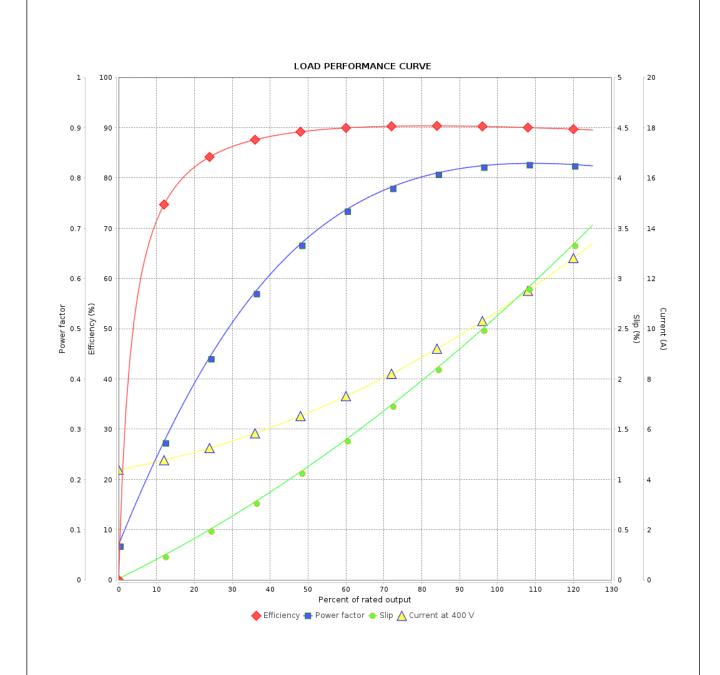


11723875

Customer :

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

Phase



Performance	: 4	00 V 50 Hz 4P IE3				
Rated current : 10		0.6 A	Moment o	Moment of inertia (J)		2
LRC	: 6	5.2	Duty cycle	Duty cycle		
Rated torque	: 3	3.73 kgfm	Insulation class		: F	
Locked rotor torqu	e :1	90 %	Service fa	ctor	: 1.25	
Breakdown torque : 2		270 %	Temperature rise		: 80 K	
Rated speed : 1460 rpm		460 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage

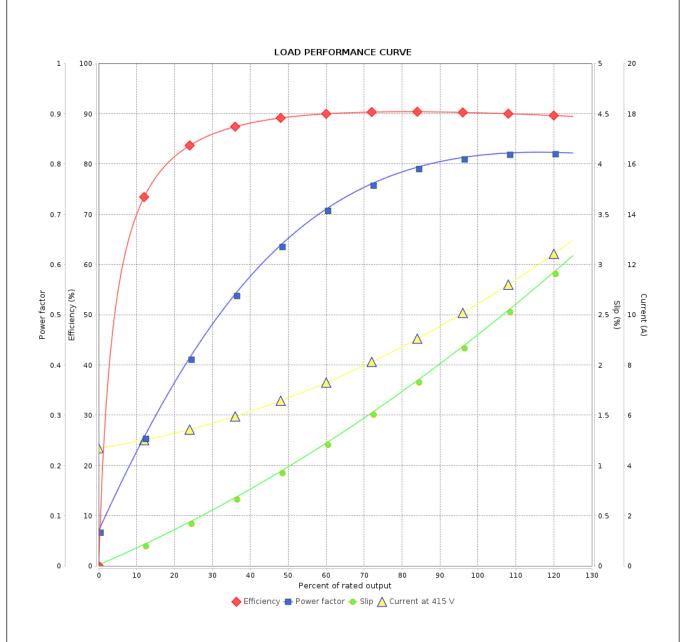


Customer

Product line : W22 NEMA Premium Efficiency ThreeProduct code:

11723875





Performance	: 4	15 V 50 Hz 4P IE3					
Rated current : 10		0.3 A	Moment o	Moment of inertia (J)		2	
LRC : 6.		6.7	Duty cycle	Duty cycle			
Rated torque : 3		3.72 kgfm Insulation class		class	: Cont.(S1) : F		
•		210 %	Service fa	ctor	: 1.25		
Breakdown torque ::		290 %	Temperati	Temperature rise		: 80 K	
Rated speed		: 1465 rpm Des			: B		
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