DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 12717200 : 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 : 41.6 kg Protection degree : IP55 Moment of inertia (J) : 0.0143 kgm² Design : B Output [HP] 3 3 3 3 Poles 4 4 4 4 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 7.82/3.91 4.78 4.54 4.43 L. R. Amperes [A] 63.3/31.7 30.1 32.2 33.7 LRC [A] 8.1x(Code K) 6.3x(Code H) 7.1x(Code J) 7.6x(Code K) No load current [A] 4.00/2.00 2.00 2.10 2.25 Rated speed [RPM] 1760 1445 1450 1455 Slip [%] 2.22 3.67 3.33 3.00 Rated torque [kgfm] 1.24 1.51 1.50 1.50 Locked rotor torque [%] 220 220 220 240 Breakdown torque [%] 330 250 290 320 Service factor 1.25 1.25 1.25 1.25 80 K 80 K 80 K 80 K Temperature rise 32s (cold) 18s (hot) Locked rotor time 41s (cold) 23s (hot) 32s (cold) 18s (hot) 32s (cold) 18s (hot) Noise level² 56.0 dB(A) 56.0 dB(A) 56.0 dB(A) 56.0 dB(A) 25% 50% 87.5 87.5 87.5 87.5 Efficiency (%) 75% 88.5 87.5 87.5 87.5 100% 89.5 87.5 87.5 87.5 25% 50% 0.61 0.68 0.64 0.61 Power Factor 75% 0.71 0.77 0.75 0.73 0.79 0.80 0.79 100% 0.80 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 13.4 13.4 11.0 13.4 P2 (0,5;1,0) 10.8 10.8 8.9 10.8 P3 (0,25;1,0) 10.7 8.8 10.7 10.7 P4 (0,9;0,5) Losses (%) 6.1 7.4 7.4 7.4 P5 (0,5;0,5) 4.0 4.9 4.9 4.9 P6 (0,5;0,25) 3.0 3.6 3.6 3.6 P7 (0,25;0,25) 2.1 2.6 2.6 2.6 Non drive end Foundation loads Drive end Bearing type 6207 ZZ 6206 ZZ : 79 kaf Max. traction Sealing V'Ring V'Ring : 121 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 Pha	se Induction Motor - Squirrel Cage			<u> </u>
Customer	:			
Notes				
USABLE @208	V 8.65A SF 1.15 SFA 9.95A			
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Three Phase Induction Motor - Squirrel Cage

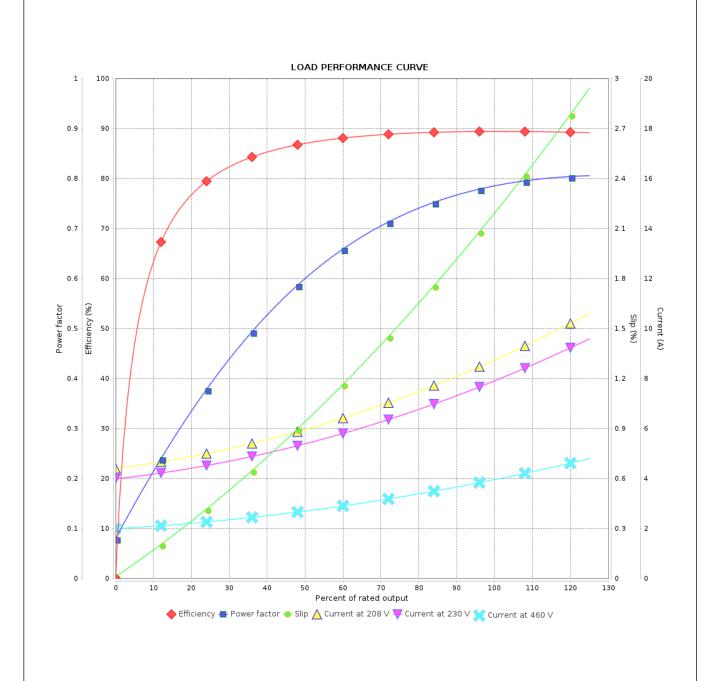


12717200

Customer :

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

Phase



Performance	: 2	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		82/3.91 A .1 .24 kgfm 20 % 30 % 760 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0143 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W22 NEMA Premium Efficiency Three-

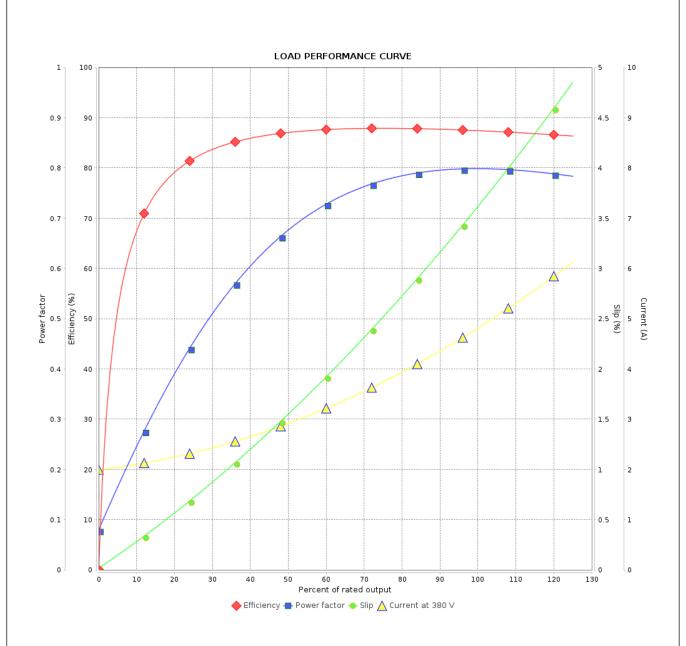
Product code:

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26/04/2024

Date



Performance	: 380 V 50 Hz 4P IE3	,			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.78 A : 6.3 : 1.51 kgfm : 220 % : 250 % : 1445 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0143 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage

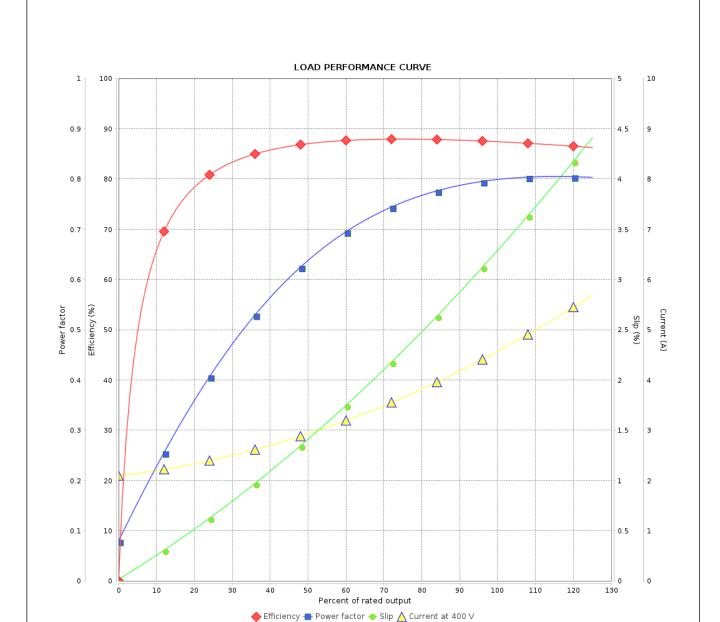


Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

12717200



Performance	: 4	00 V 50 Hz 4P IE3				
Rated current : 4.54		.54 A	Moment of	Moment of inertia (J)		2
LRC : 7.1		.1	Duty cycle	Duty cycle		
Rated torque	:1	.50 kgfm	Insulation	class	:F	
Locked rotor torqu	ue : 2	20 %	Service fa	ctor	: 1.25	
Breakdown torque : 2		90 %	Temperati	Temperature rise		
Rated speed : 1450		450 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage



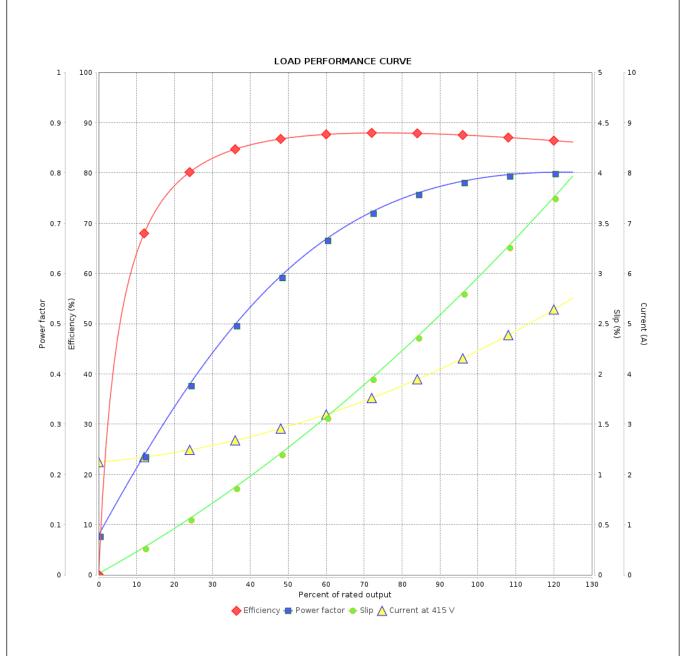
Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

12717200

Phase



Performance	: 4	115 V 50 Hz 4P IE3				
Rated current :		I.43 A	Moment o	Moment of inertia (J)		2
LRC : 7		7.6	Duty cycle	Duty cycle		
Rated torque :		l.50 kgfm	Insulation	class	: F	
Locked rotor torque :		240 %	Service fa	ctor	: 1.25	
Breakdown torque	: 3	320 %	Temperature rise		: 80 K	
Rated speed	: 1	1455 rpm	Design		: B	
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