DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Efficiency Product code: 12373466 Three-Phase : 143/5T 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 : 26.7 kg Altitude Protection degree : IP56 Moment of inertia (J) : 0.0049 kgm² Design : B Output [HP] 1 1 1 1 Poles 4 4 4 4 Frequency [Hz] 60 50 50 50 Rated voltage [V] 460 380 400 415 Rated current [A] 1.47 1.71 1.65 1.63 L. R. Amperes [A] 12.6 10.9 11.5 12.1 LRC [A] 8.6x(Code M) 6.4x(Code J) 7.0x(Code K) 7.4x(Code K) No load current [A] 0.940 0.930 1.00 1.08 Rated speed [RPM] 1760 1450 1455 1455 Slip [%] 2.22 3.33 3.00 3.00 Rated torque [kgfm] 0.412 0.501 0.499 0.499 Locked rotor torque [%] 290 220 240 260 Breakdown torque [%] 350 250 290 310 Service factor 1.25 1.25 1.25 1.25 80 K 80 K 80 K 80 K Temperature rise Locked rotor time 32s (cold) 18s (hot) 32s (cold) 18s (hot) 32s (cold) 18s (hot) 32s (cold) 18s (hot) Noise level² 51.0 dB(A) 49.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 78.4 79.6 78.4 78.4 50% 80.0 80.0 80.0 80.0 Efficiency (%) 75% 84.0 82.5 82.5 82.5 100% 85.5 82.5 84.0 84.0 25% 0.31 0.36 0.33 0.31 50% 0.55 0.62 0.58 0.55 Power Factor 75% 0.68 0.74 0.71 0.69 0.75 0.78 0.76 100% 0.81 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 15.9 15.9 15.9 15.9 P2 (0,5;1,0) 12.8 12.8 12.8 12.8 P3 (0,25;1,0) 12.5 12.5 12.5 12.5 P4 (0,9;0,5) 10.1 Losses (%) 10.1 10.1 10.1 P5 (0,5;0,5) 7.0 7.0 7.0 7.0 P6 (0,5;0,25) 5.8 5.8 5.8 5.8 P7 (0,25;0,25) 4.3 4.3 4.3 4.3 Non drive end Foundation loads Drive end Bearing type 6205 C3 6204 C3 : 30 kaf Max. traction Sealing Inpro/Seal Inpro/Seal Max. compression : 57 kgf 20000 h Lubrication interval 20000 h Lubricant amount 4 g 4 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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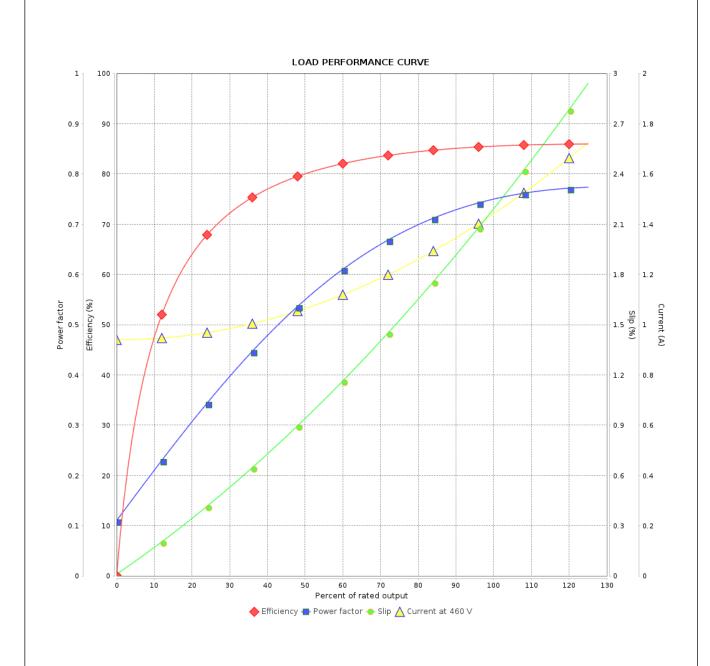
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Product line : W22 IEEE 841 NEMA Premium Efficiency Product code : 12373466

Three-Phase



Performance	: 460 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.47 A : 8.6 : 0.412 kgfm : 290 % : 350 % : 1760 rpm	Duty cycl Insulation Service f	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0049 kgm² : Cont.(S1) : F : 1.25 : 80 K : B		
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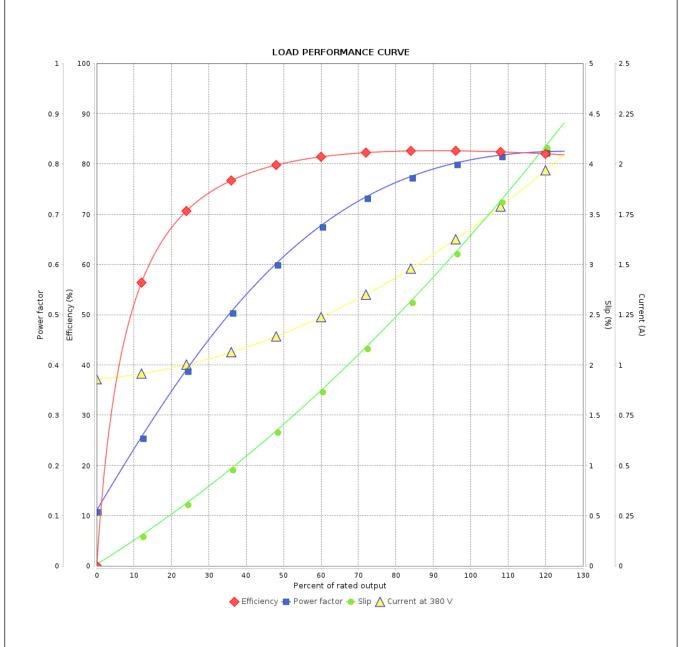
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D . (000 V 50 H 4D 150				
Performance	: 380 V 50 Hz 4P IE3				
Rated current LRC	: 1.71 A : 6.4	Moment of inertia (J) Duty cycle		: 0.0049 kgm² : Cont.(S1)	
Rated torque Locked rotor torque Breakdown torque	: 0.501 kgfm : 220 % : 250 %	Service factor Temperature	Insulation class Service factor Temperature rise		
Rated speed	: 1450 rpm	Design		: B	
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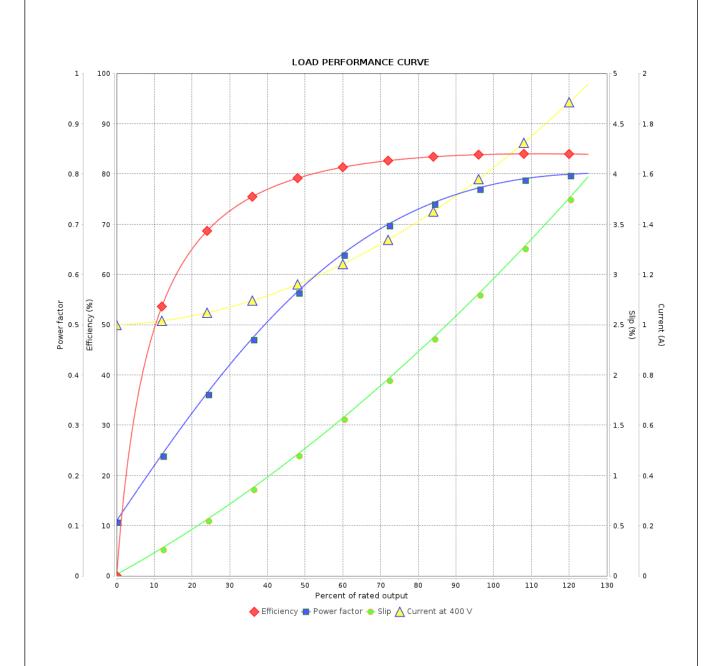
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Product line : W22 IEEE 841 NEMA Premium Efficiency Product code : 12373466

Three-Phase



Performance	: 400 V 50 Hz 4P IE3	: 400 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.65 A : 7.0 : 0.499 kgfm : 240 % : 290 % : 1455 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0049 kgm² : Cont.(S1) : F : 1.25 : 80 K : B				
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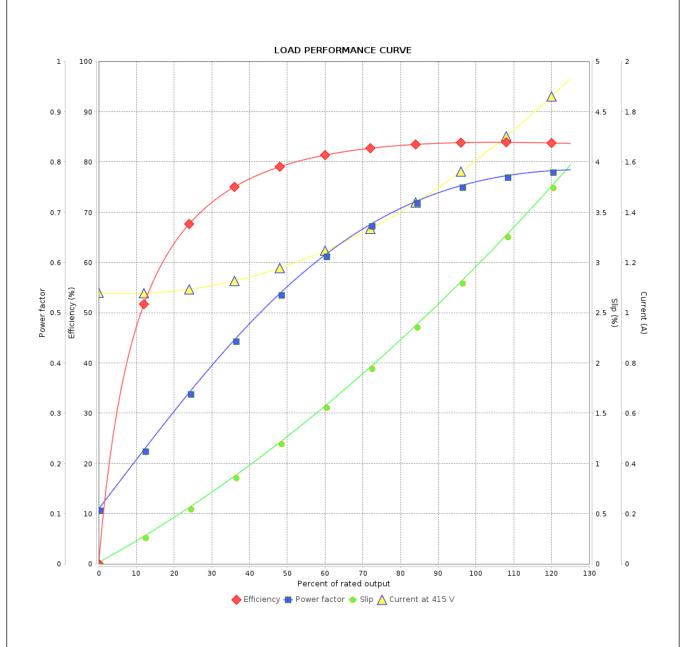


Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Produ

Three-Phase

Product code: 12373466



Performance	: 415 V 50 Hz 4P IE3					
1 enormance	. 413 V 30 112 41 1123					
Rated current	: 1.63 A	Moment of inertia (J)		: 0.0049 kgm²		
LRC	: 7.4	Duty cycle	Duty cycle			
Rated torque	: 0.499 kgfm	Insulation cla	SS	: F		
Locked rotor torque	: 260 %	Service factor Temperature rise		: 1.25		
Breakdown torque	: 310 %			: 80 K	0 K	
Rated speed	: 1455 rpm			: B		
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