DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Efficiency Product code: 12373436 Three-Phase Frame : 143/5TC Cooling method : IC411 - TEFC Insulation class : F Mounting : F-1 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 : 26.1 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 Temperature rise 80 K 80 K 80 K 80 K 32s (cold) 18s (hot) Locked rotor time 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 10.1 Losses (%) 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 Drive end Non drive end Foundation loads Bearing type 6205 C3 6204 C3 Max. traction : 31 kaf Sealing Inpro/Seal Inpro/Seal Max. compression : 57 kgf 20000 h 20000 h Lubrication interval 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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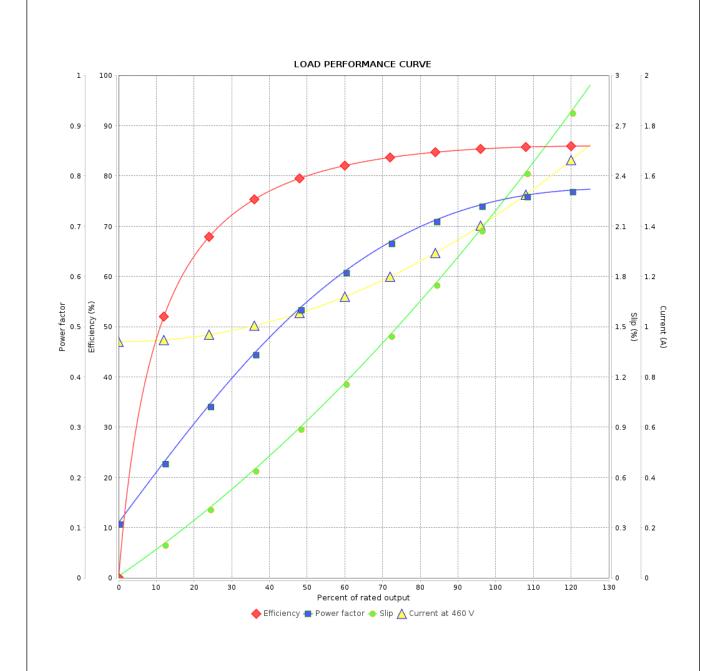
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Product code : 12373436

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	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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Three Phase Induction Motor - Squirrel Cage



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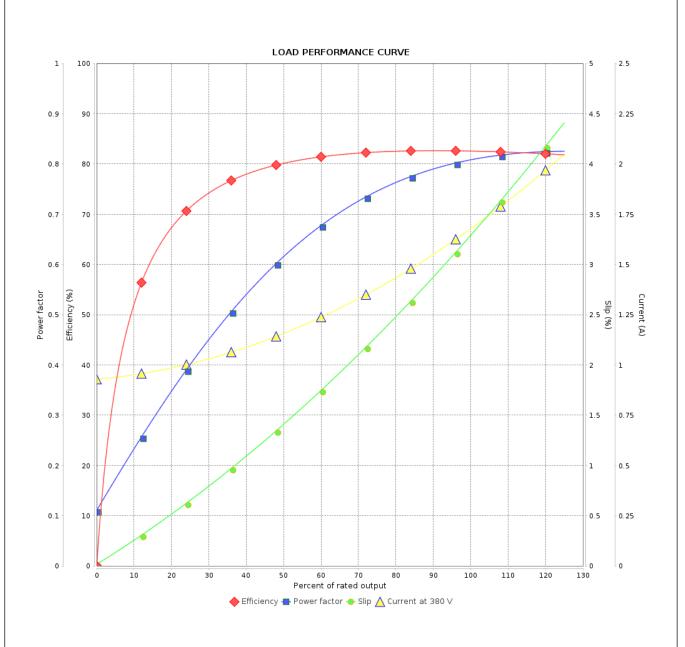
Product line : W22 IEEE 841 NEMA Premium Efficiency

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Product code:

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Performance		: 380 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 0. que : 22 ie : 25	71 A 4 501 kgfm 20 % 50 % 450 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0049 kgm ² : Cont.(S1) : F : 1.25 : 80 K : B			
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Three Phase Induction Motor - Squirrel Cage

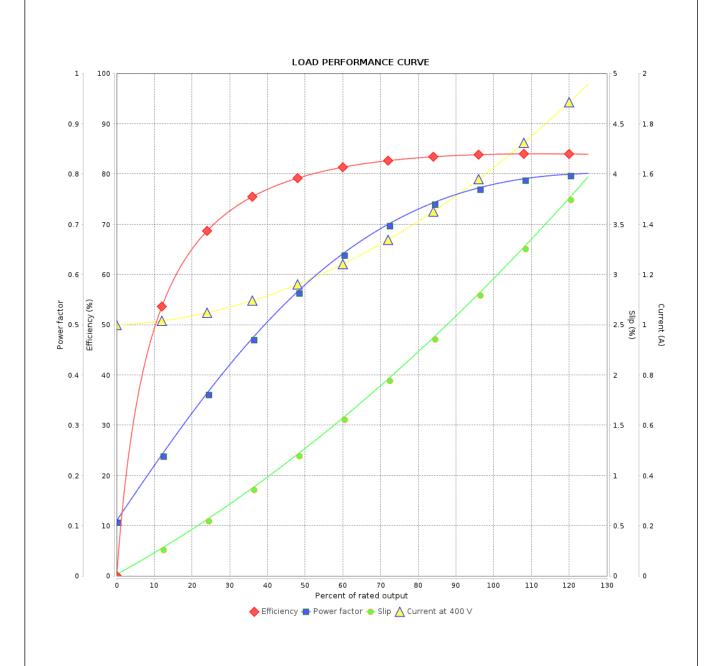


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Product line : W22 IEEE 841 NEMA Premium Efficiency Product code : 12373436

Three-Phase



Performance	: 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 :

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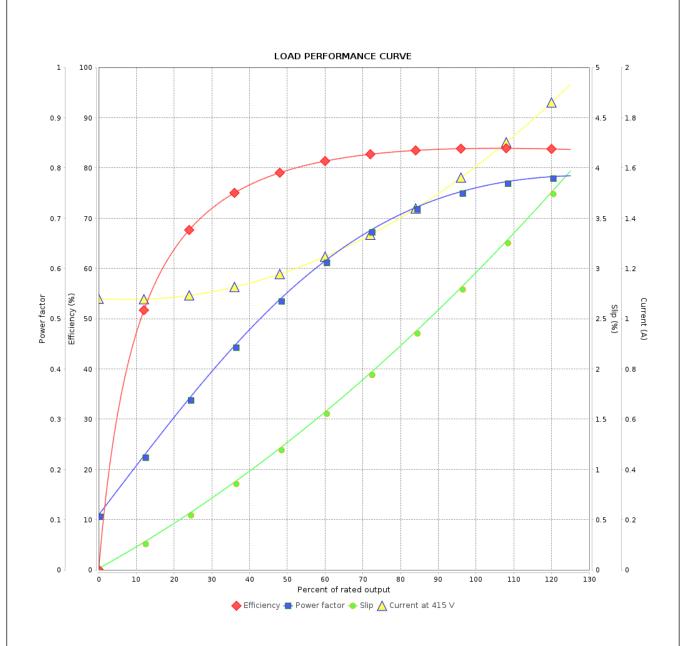
Product line : W22 IEEE 841 NEMA Premium Efficiency

Three Phase

Product code:

12373436

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Performance : 415 V 50 Hz 4P IE3 : 1.63 A : 0.0049 kgm² Rated current Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 7.4 : 0.499 kgfm Insulation class Rated torque : F Locked rotor torque : 260 % Service factor : 1.25 Breakdown torque : 310 % Temperature rise : 80 K Rated speed : 1455 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page