DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Efficiency Product code: 11943461 : 364/5TC 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. : 447 kg Protection degree : IP55 Moment of inertia (J) : 0.9798 kgm² Design : B Output [HP] 75 75 75 75 Poles 4 4 4 4 50 Frequency [Hz] 60 50 50 Rated voltage [V] 460 380 400 415 Rated current [A] 87.2 106 102 98.7 L. R. Amperes [A] 558 541 571 602 LRC [A] 6.4x(Code G) 5.1x(Code E) 5.6x(Code F) 6.1x(Code G) No load current [A] 33.0 33.0 35.0 38.0 Rated speed [RPM] 1780 1475 1475 1480 Slip [%] 1.11 1.67 1.67 1.33 Rated torque [kgfm] 30.6 36.9 36.9 36.8 Locked rotor torque [%] 240 170 200 210 Breakdown torque [%] 260 200 220 240 1.25 1.00 1.00 1.00 Service factor 80 K 105 K 105 K 105 K Temperature rise 18s (cold) 10s (hot) Locked rotor time 25s (cold) 14s (hot) 18s (cold) 10s (hot) 18s (cold) 10s (hot) Noise level² 67.0 dB(A) 63.0 dB(A) 63.0 dB(A) 63.0 dB(A) 25% 50% 94.5 94.5 94.5 94.1 Efficiency (%) 75% 95.0 94.1 94.5 94.5 100% 95.4 93.6 94.1 94.5 25% 50% 0.68 0.75 0.70 0.67 Power Factor 75% 0.78 0.82 0.80 0.78 0.83 0.82 100% 0.83 0.84 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 4.7 4.7 4.7 P2 (0,5;1,0) 3.7 3.7 3.7 3.7 P3 (0,25;1,0) 3.4 3.4 3.4 3.4 P4 (0,9;0,5) 2.4 2.4 Losses (%) 2.4 2.4 P5 (0,5;0,5) 1.6 1.6 1.6 1.6 P6 (0,5;0,25) 1.1 1.1 1.1 1.1 P7 (0,25;0,25) 0.7 0.7 0.7 0.7 Non drive end Foundation loads Drive end 6314 C3 6314 C3 Bearing type : 768 kgf Max. traction Sealing Taconite Taconite Max. compression : 1215 kgf Labyrinth Labyrinth 12000 h 12000 h Lubrication interval Lubricant amount 27 g 27 g 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	iiii and with tolera	ance of +Sub(A).			
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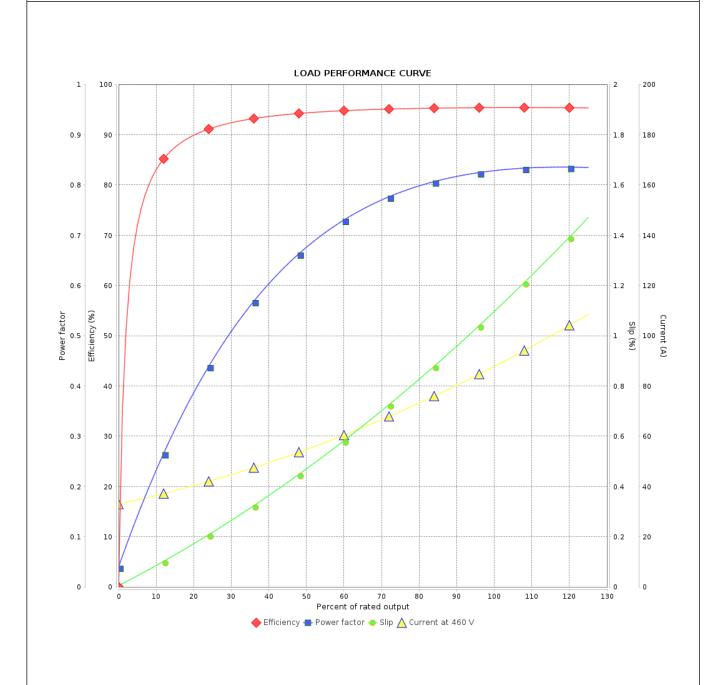
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13/01/2024

Product line : W22 IEEE 841 NEMA Premium Efficiency Product code : 11943461

Three-Phase



Performance	: 460 V 60 Hz 4P	,			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed		6.4 Duty cycle 30.6 kgfm Insulation class 240 % Service factor 260 % Temperature rise		: 0.9798 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage



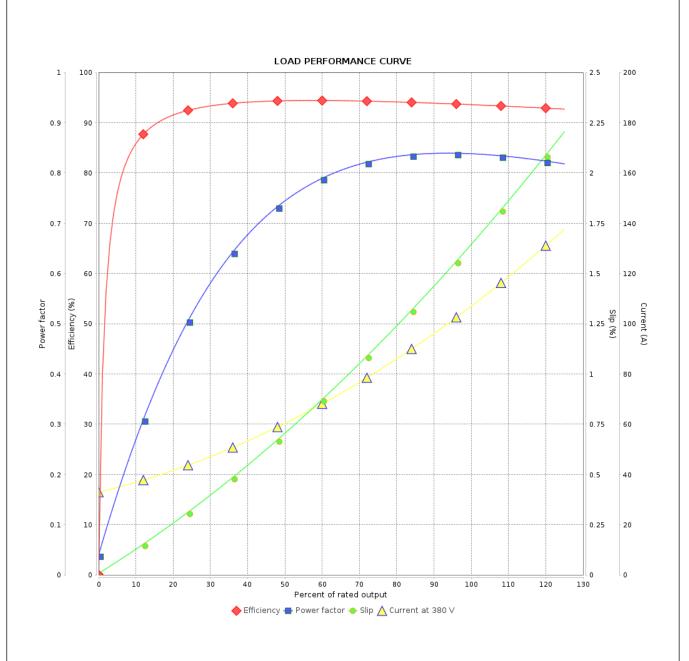
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Product line : W22 IEEE 841 NEMA Premium Efficiency

Three-Phase

Product code:

11943461



Performance	: 3	: 380 V 50 Hz 4P IE2					
Rated current	: 1	106 A	Moment of	Moment of inertia (J)		2	
LRC	: 5	5.1	Duty cycle		: Cont.(S1)		
Rated torque	: 3	36.9 kgfm	Insulation class		:F ´´		
Locked rotor torq	ue : 1	170 %	Service factor		: 1.00		
Breakdown torqu	e : 2	200 %	Temperat	Temperature rise			
Rated speed	: 1	1475 rpm Design		: B			
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Three Phase Induction Motor - Squirrel Cage

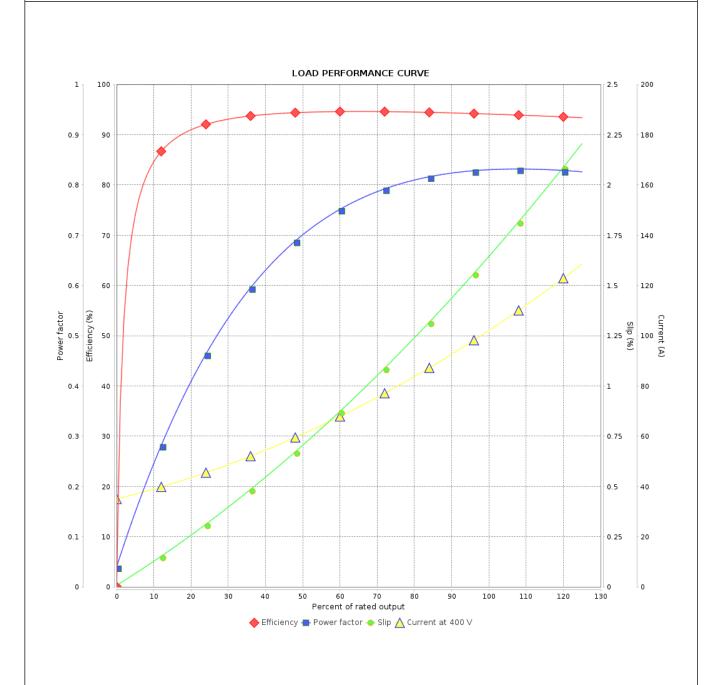


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Product line : W22 IEEE 841 NEMA Premium Efficiency Product code : 11943461

Three-Phase



Performance	: 400 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 102 A : 5.6 : 36.9 kgfm : 200 % : 220 % : 1475 rpm	Moment of Duty cycle Insulation Service fa Temperation Design	class ctor	: 0.9798 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
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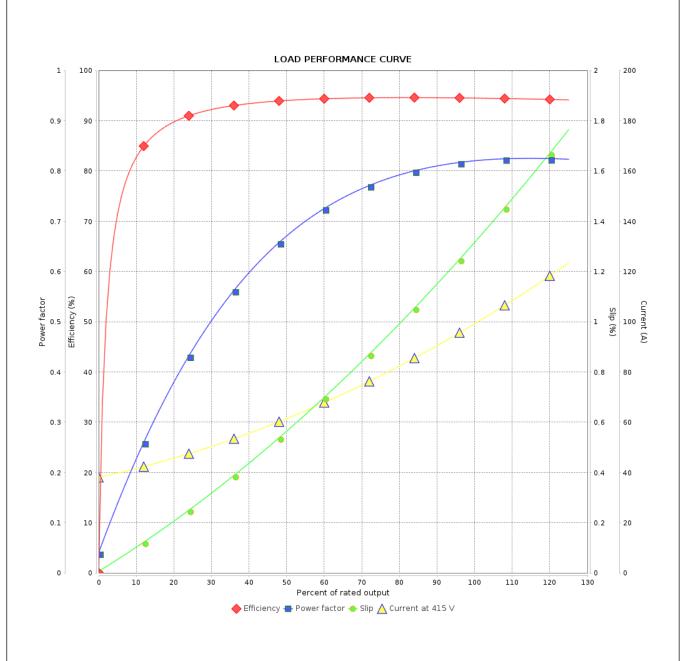


Customer

Product line : W22 IEEE 841 NEMA Premium Efficiency

Three-Phase

Product code: 11943461



Performance	: 4	15 V 50 Hz 4P IE2				
Rated current	: 9	8.7 A	Moment of	Moment of inertia (J)		2
LRC		.1	Duty cycle	Duty cycle		
Rated torque	: 30	6.8 kgfm	Insulation class		: F	
Locked rotor torqu	ue : 2	10 %	Service fa	Service factor		
Breakdown torque	e : 2	40 %	Temperat	Temperature rise		
Rated speed	: 1	: 1480 rpm		Design		
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