DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Super Premium Efficiency Three-Product code: 11715187 Frame : L182/4T Cooling method : IC411 - TEFC 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 : 51.4 kg Altitude Protection degree : IP55 Moment of inertia (J) : 0.0206 kgm² Design : A Output [HP] 5 5 5 5 Poles 4 4 4 4 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 12.9/6.46 7.66 7.46 7.22 L. R. Amperes [A] 103/51.7 49.0 53.0 54.9 LRC [A] 8.0x(Code K) 6.4x(Code H) 7.1x(Code J) 7.6x(Code J) No load current [A] 7.26/3.63 3.52 3.63 3.85 Rated speed [RPM] 1755 1445 1450 1455 Slip [%] 2.50 3.67 3.33 3.00 Rated torque [kgfm] 2.07 2.51 2.50 2.49 Locked rotor torque [%] 260 210 240 270 Breakdown torque [%] 310 240 270 300 Service factor 1.25 1.25 1.15 1.15 Temperature rise 80 K 80 K 80 K 80 K Locked rotor time 36s (cold) 20s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) 27s (cold) 15s (hot) Noise level² 56.0 dB(A) 56.0 dB(A) 56.0 dB(A) 56.0 dB(A) 25% 50% 88.5 88.5 88.5 89.5 Efficiency (%) 75% 90.2 89.5 89.5 90.2 100% 91.0 89.5 89.5 90.2 25% 50% 0.61 0.68 0.64 0.61 Power Factor 75% 0.73 0.77 0.75 0.72 0.79 0.82 0.80 0.79 100% Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 11.2 10.4 9.4 P2 (0,5;1,0) 7.9 9.4 8.7 9.4 P3 (0,25;1,0) 7.7 9.2 9.2 8.5 P4 (0,9;0,5) Losses (%) 5.0 6.0 6.0 5.5 P5 (0,5;0,5) 3.9 3.6 4.2 4.2 P6 (0,5;0,25) 2.6 3.0 3.0 2.8 P7 (0,25;0,25) 1.9 2.3 2.3 2.1 Non drive end Foundation loads Drive end Bearing type 6206 ZZ 6207 ZZ Max. traction : 131 kgf Sealing V'Ring V'Ring Max. compression : 182 kgf Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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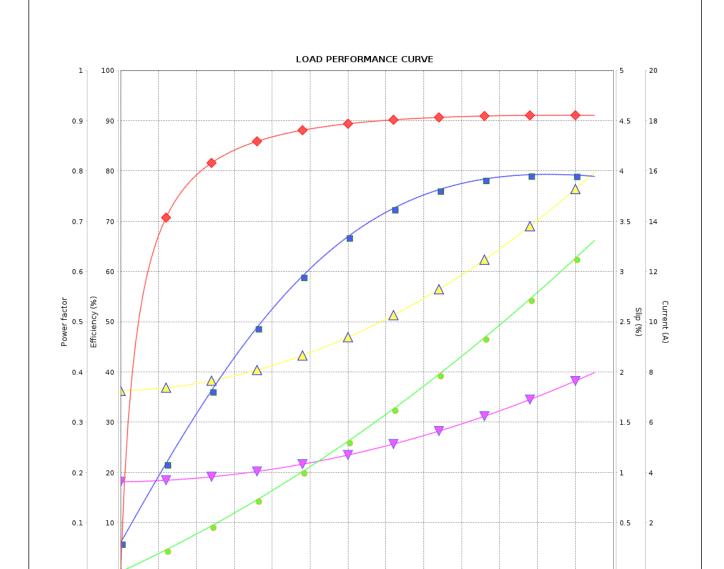
Customer :

Product line : W22 Super Premium Efficiency Three-

Product code:

11715187

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Performance	: 2	: 230/460 V 60 Hz 4P						
Rated current	: 1	2.9/6.46 A Moment of inertia (J)		: 0.0206 kgm²				
LRC	: 8	0 Duty cycle		: Cont.(S1)				
Rated torque	: 2	2.07 kgfm	Insulation class		: F			
Locked rotor torqu	ie : 2	260 %	Service factor		: 1.25			
Breakdown torque	: 3	: 310 % Tei		ıre rise	: 80 K			
Rated speed	: 1755 rpm		Design	Design				
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Percent of rated output

◆ Efficiency ■ Power factor ◆ Slip △ Current at 230 V ▼ Current at 460 V

Three Phase Induction Motor - Squirrel Cage



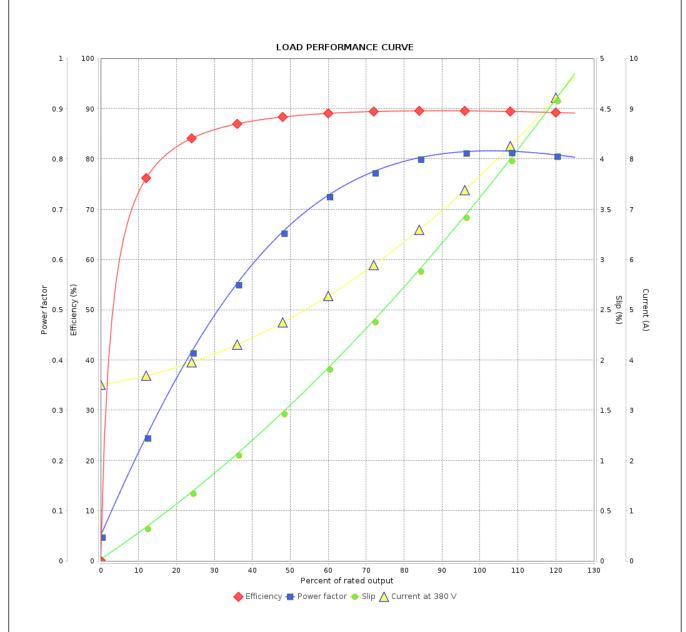
Customer :

Product line : W22 Super Premium Efficiency Three-

Product code:

11715187





Performance	: 380 V 50 Hz 4P IE3				
Rated current	: 7.66 A	Moment of inertia (J)		: 0.0206 kgm²	
LRC	: 6.4	2.51 kgfm Insulation class 210 % Service factor 240 % Temperature rise		: Cont.(S1) : F : 1.25 : 80 K : A	
Rated torque	: 2.51 kgfm				
Locked rotor torque	: 210 %				
Breakdown torque	: 240 %				
Rated speed	: 1445 rpm				
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Three Phase Induction Motor - Squirrel Cage

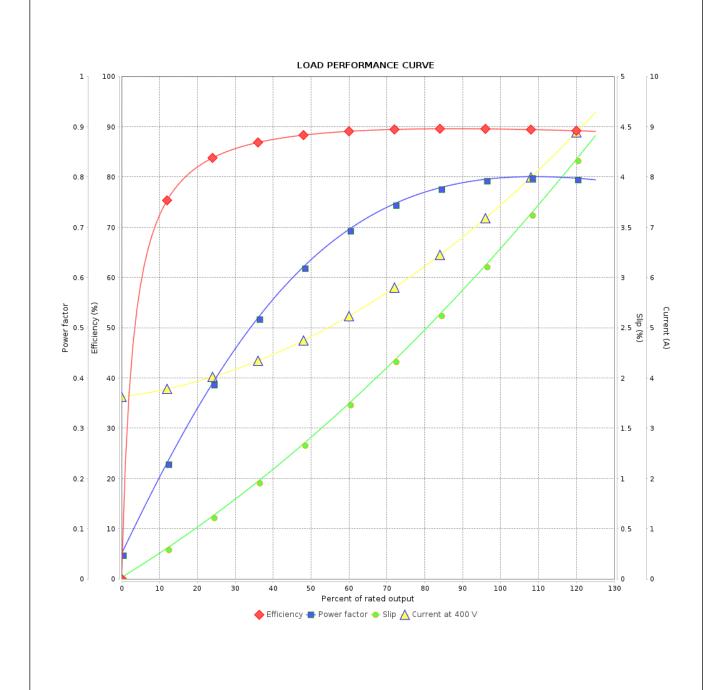


Customer

Product line : W22 Super Premium Efficiency Three-

Product code:

11715187



Performance	: 4	00 V 50 Hz 4P IE3					
Rated current	: 7	.46 A	Moment of inertia (J)		: 0.0206 kgm²		
LRC		7.1 Duty cycle		: Cont.(S1)			
Rated torque		2.50 kgfm Insulation class		: F ` ´			
Locked rotor tord	que : 2	40 %	Service factor		: 1.15		
Breakdown torqu	.ie : 2	: 270 % : 1450 rpm		Temperature rise Design		: 80 K	
Rated speed	: 1					: A	
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Three Phase Induction Motor - Squirrel Cage



Customer :

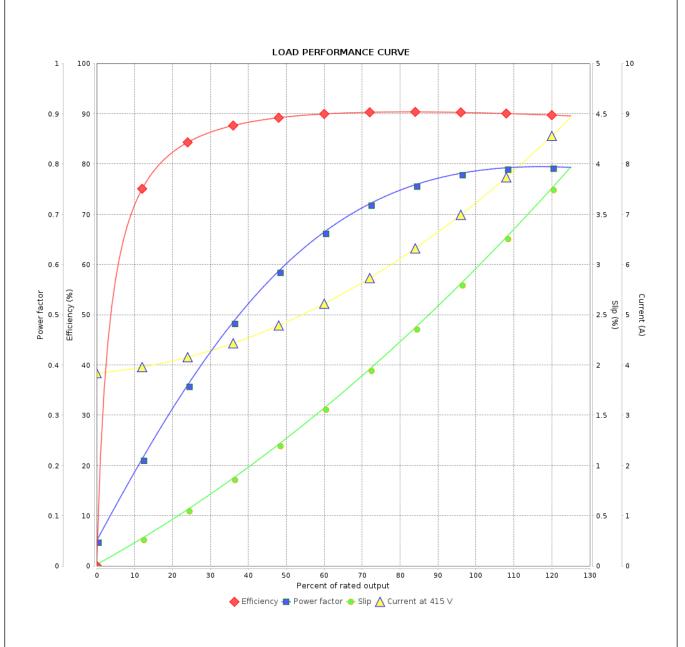
Product line : W22 Super Premium Efficiency Three-

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Product code:

11715187

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				,				
Performance	: 415 V 50 Hz 4F	: 415 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		2			
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