DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W40 NEMA Premium Efficiency Product code: 14427833

Three-Phase

: 444/5TC Frame Cooling method : IC01 - ODP

Insulation class Mounting : 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. : 688 kg : 2.14 kgm² Protection degree : IP23 Moment of inertia (J)

Design		: B				
Output [HP]		250	200	200	200	
Poles		4	4	4	4	
Frequency [Hz]		60	50	50	50	
Rated voltage [V]		460	380	400	415	
Rated current [A]		289	283	272	269	
L. R. Amperes [A]		1850	1953	1986	1991	
LRC [A]		6.4x(Code G)	6.9x(Code H)	7.3x(Code H)	7.4x(Code J)	
No load current [A]	106	105	115	125	
Rated speed [RPN	/ I]	1780	1480	1480	1485	
Slip [%]		1.11	1.33	1.33	1.00	
Rated torque [kgfr	n]	102	98.1	98.1	97.7	
Locked rotor torqu	e [%]	210	200	229	250	
Breakdown torque [%]		240	220	240	270	
Service factor		1.15	1.00	1.00	1.00	
Temperature rise		80 K	80 K	80 K	80 K	
Locked rotor time		16s (cold) 9s (hot)	14s (cold) 8s (hot)	14s (cold) 8s (hot)	14s (cold) 8s (hot)	
Noise level ²		78.0 dB(A)				
	25%					
Locked rotor torque [%] 210 200 229 Breakdown torque [%] 240 220 240 Service factor 1.15 1.00 1.00 Temperature rise 80 K 80 K 80 K Locked rotor time 16s (cold) 9s (hot) 14s (cold) 8s (hot) 14s (cold) 8s (hot) Noise level² 78.0 dB(A) 14s (cold) 8s (hot) 14s (cold) 8s (hot)	94.9					
Efficiency (70)	75%	95.8	95.6	95.5	95.4	
	100%	95.8	95.8	95.8	95.8	
	25%					
Power Factor	50%	0.72	0.72	0.67	0.64	
I OWELL ACTOL	75%	0.80	0.81	0.78	0.75	
	100%	0.84	0.84	0.83	0.81	

Non drive end Foundation loads Drive end

Bearing type 6319 C3 6212 Z C3 Max. traction : 1964 kgf Sealing Without Without Max. compression : 2652 kgf

Bearing Seal Bearing Seal Lubrication interval 20000 h 20000 h Lubricant amount 45 g 13 g

Mobil Polyrex EM Lubricant type

Notes

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.
- (4) At 100% of full load.

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

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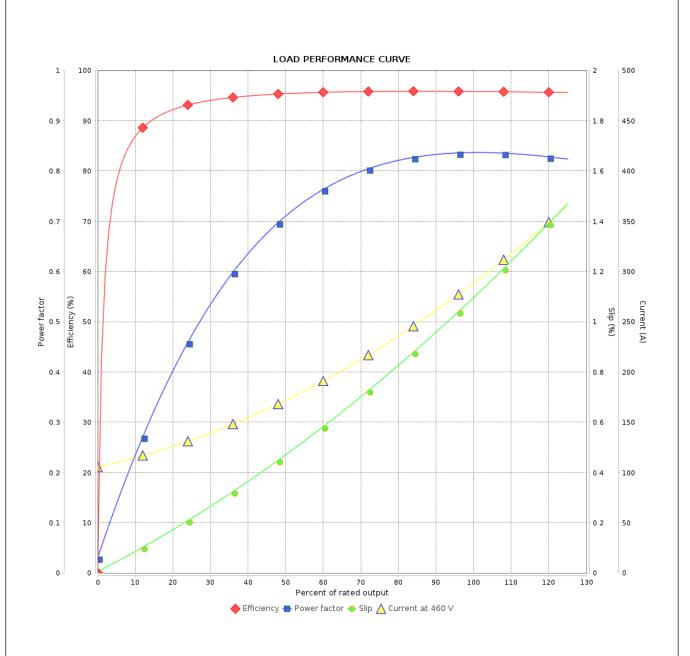


Customer :

Product line : W40 NEMA Premium Efficiency

Three-Phase

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Performance	: 460 V 60 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 289 A : 6.4 : 102 kgfm : 210 % : 240 % : 1780 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 2.14 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage



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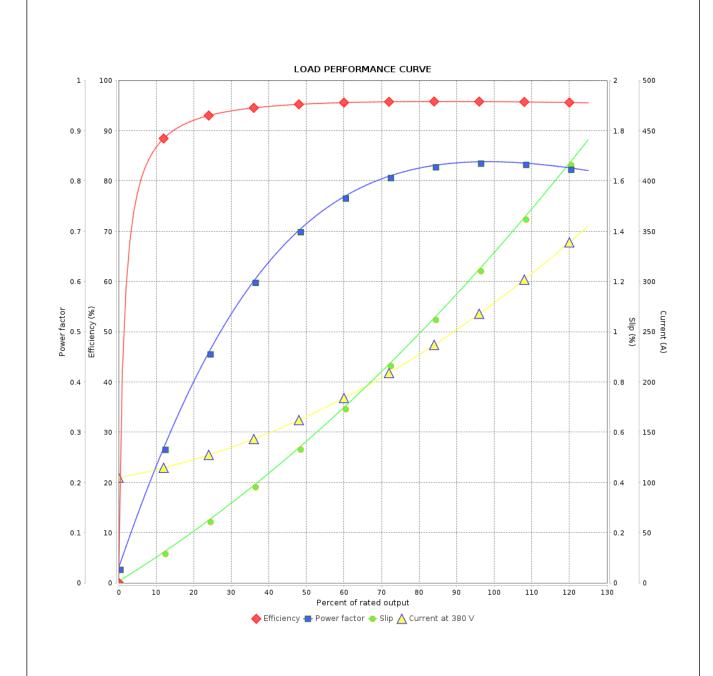
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Product line : W40 NEMA Premium Efficiency Product code : 14427833

Three-Phase



Performance	: 380 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 283 A : 6.9 : 98.1 kgfm : 200 % : 220 % : 1480 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ictor	: 2.14 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
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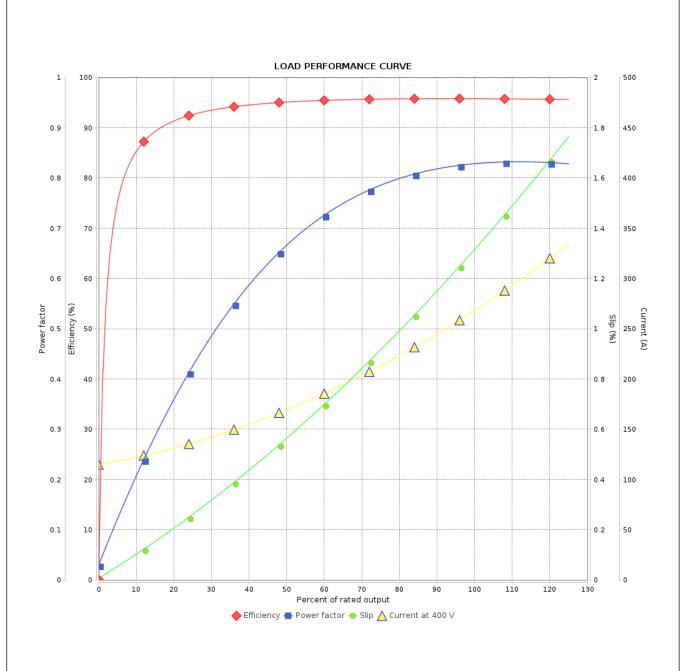
Product line : W40 NEMA Premium Efficiency

Three-Phase

Product code:

14427833

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Performance	: 400 V 50 Hz 4P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 272 A : 7.3 : 98.1 kgfm : 229 % : 240 % : 1480 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 2.14 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
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Customer :

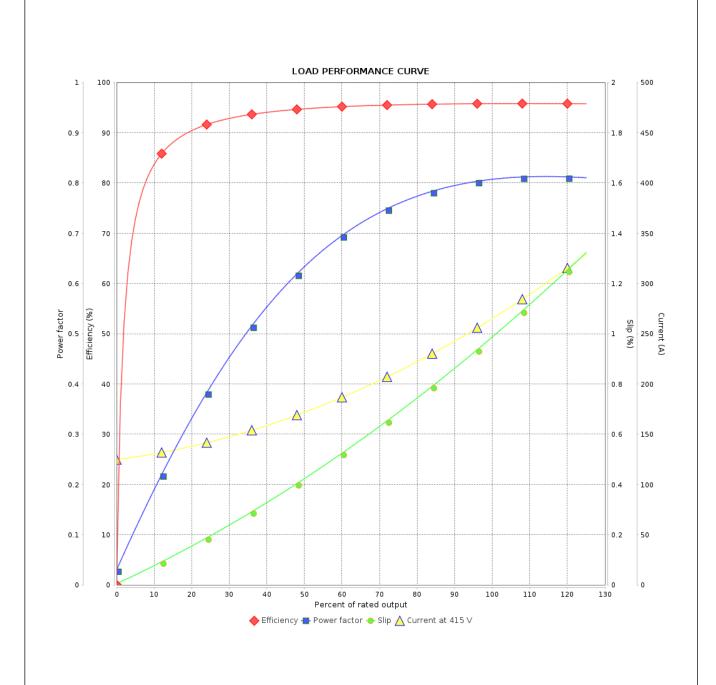
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Product line : W40 NEMA Premium Efficiency Product code : 14427833

Three-Phase



Performance	: 415 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 269 A : 7.4 : 97.7 kgfm : 250 % : 270 % : 1485 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 2.14 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
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