DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Standard Efficiency Three-Phase Product code: 13731251

: W56C Cooling method : IC411 - TEFC Frame Insulation class Mounting : F : F-1

Ilibulation class		. 1	Modriting	.1 = 1
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 6.8 kg
Protection degre	е	: IP55	Moment of inertia (J)	: 0.0005 kgm²
Output [HP]		0.33	0.33	0.33
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		208-230/460	190/380	220/415
Rated current [A]		1.45-1.31/0.657	1.44/0.718	1.34/0.708
L. R. Amperes [A]		8.86-8.02/4.01	6.46/3.23	6.68/3.54
LRC [A]		6.1x(Code L)	4.5x(Code H)	5.0x(Code J)
No load current [A		0.731-0.848/0.424	0.822/0.411	0.939/0.498
Rated speed [RPN	/ 1]	3425	2755	2805
Slip [%]		4.86	8.17	6.50
Rated torque [kgfn		0.070	0.087	0.085
Locked rotor torque [%]		290	220	270
Breakdown torque	[%]	300	229	280
Service factor			1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		50s (cold) 28s (hot)	59s (cold) 33s (hot)	52s (cold) 29s (hot)
Noise level ²		65.0 dB(A)	64.0 dB(A)	64.0 dB(A)
	25%			
Efficiency (%)	50%	52.5	57.0	54.0
Linciency (70)	75%	59.5	62.0	61.0
	100%	62.0	63.0	63.0
	25%			
Power Factor	50%	0.60	0.66	0.57
I OWEI FACIOI	75% 0.70 0.77 0.69		0.69	
	100%	0.77	0.84	0.78

Drive end Non drive end Foundation loads

Bearing type 6203 ZZ 6202 ZZ Max. traction : 4 kgf Sealing V'Ring V'Ring : 11 kgf Max. compression

Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

Notes

USABLE @208V SF 1.00

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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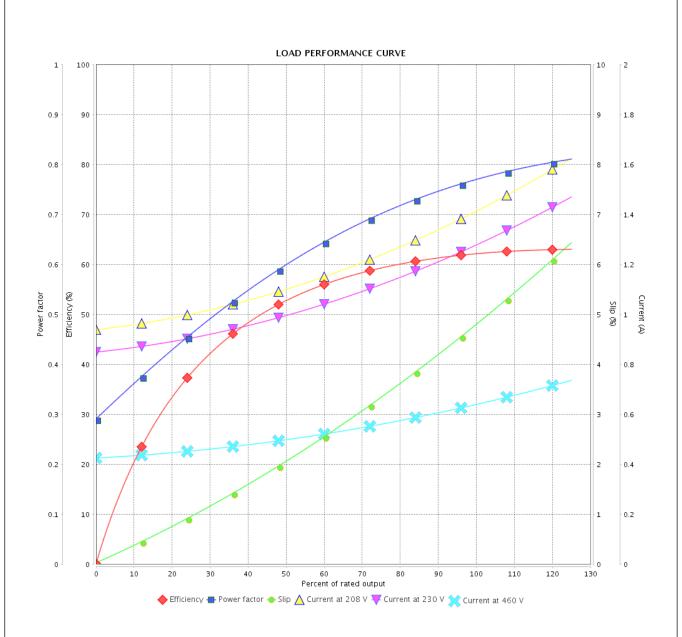
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13731251



: 1.45-1.31/0.657 A : 6.1 : 0.070 kgfm : 290 % : 300 % : 3425 rpm	Duty cycle Insulation Service fac	class ctor	: 0.0005 kgm ² : Cont.(S1) : F : : 80 K	2
Rev. Changes Summary		Performed	Checked	Date
	: 6.1 : 0.070 kgfm : 290 % : 300 % : 3425 rpm	: 6.1 Duty cycle : 0.070 kgfm Insulation : 290 % Service far : 300 % Temperatu : 3425 rpm	: 6.1 : 0.070 kgfm : 290 % : 300 % : 3425 rpm Duty cycle Insulation class Service factor Temperature rise	: 6.1 Duty cycle : Cont.(S1) : 0.070 kgfm Insulation class : F : 290 % Service factor : : 300 % Temperature rise : 80 K : 3425 rpm

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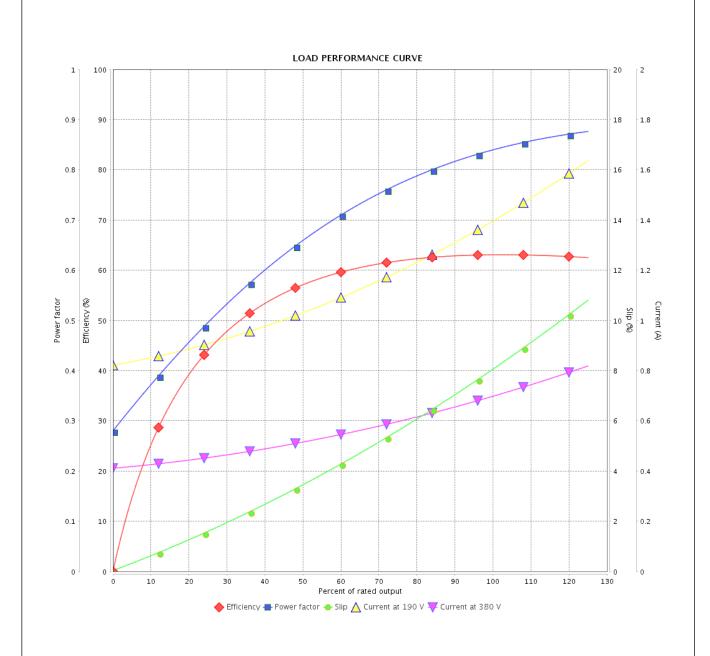
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13731251



Performance : 190/380 V 50 Hz 2P Rated current : 1.44/0.718 A Moment of inertia (J) : 0.0005 kgm² **LRC** : 4.5 Duty cycle : Cont.(S1) : 0.087 kgfm : F Rated torque Insulation class Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 2755 rpm

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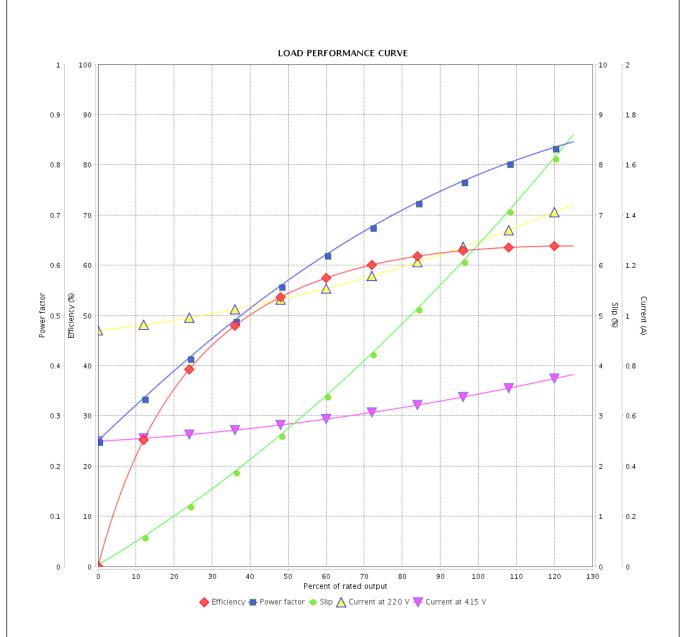
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13731251



Performance	: 220/415 V 5	0 Hz 2P			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed		Moment of Duty cycle Insulation Service fa Temperatu	class ctor	: 0.0005 kgm : Cont.(S1) : F : 1.15 : 80 K	2
Rev. Changes Summary		Summary	Performed	Checked	Date

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