DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : ODP High Efficiency Three-Phase Product code: 10372266

: 256T : IC01 - ODP Frame Cooling method Mounting Insulation class : F-1 : F

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight3 · 109 kg

Altitude		: 1000 m.a.s.l.	Approx. weigi	Approx. weight : 109 kg				
Protection degree		: IP23	Moment of inc	Moment of inertia (J) : 0.0778 kgm²				
Design		: B						
Output [HP]		20	20	20	20			
Poles		4	4	4	4			
Frequency [Hz]		60	50	50	50			
Rated voltage [V]		230/460	380	400	415			
Rated current [A]		51.0/25.5	31.0	31.7	30.6			
L. R. Amperes [A]		286/143	115	130	138			
LRC [A]		5.6x(Code G)	3.7x(Code C)	4.1x(Code E)	4.5x(Code E)			
No load current [A]	21.8/10.9	11.1	12.4	13.7			
Rated speed [RPN	Л]	1765	1440	1450	1455			
Slip [%]		1.94	4.00	3.33	3.00			
Rated torque [kgfm]		8.22	10.1	10.0	9.98			
Locked rotor torque [%]		229	160	180	200			
Breakdown torque	[%]	250	160	180	200			
Service factor		1.15	1.00	1.00	1.00			
Temperature rise		105 K	105 K	105 K	105 K			
Locked rotor time		21s (cold) 12s (hot)	27s (cold) 15s (hot)	25s (cold) 14s (hot)	23s (cold) 13s (hot)			
Noise level ²		60.0 dB(A)						
	25%							
Efficiency (%)	50%	90.2	87.5	87.5	87.5			
Efficiency (%)	75%	91.0	88.5	88.5	88.5			
	100%	91.0	87.5	87.5	88.5			
	25%							
Power Factor	50%	0.64	0.72	0.62	0.64			
FOWEI FACIOI	75%	0.75	0.81	0.74	0.76			
	100%	0.81	0.84	0.78	0.81			

Drive end Non drive end Foundation loads

Bearing type 6309 Z C3 6209 Z C3 Max. traction : 259 kgf Sealing Without Without Max. compression : 368 kgf

Bearing Seal Bearing Seal Lubrication interval 20000 h 20000 h

9 g Lubricant amount 13 g Mobil Polyrex EM Lubricant type

Notes

USABLE @208V 56.4A SF 1.15 SFA 64.9A

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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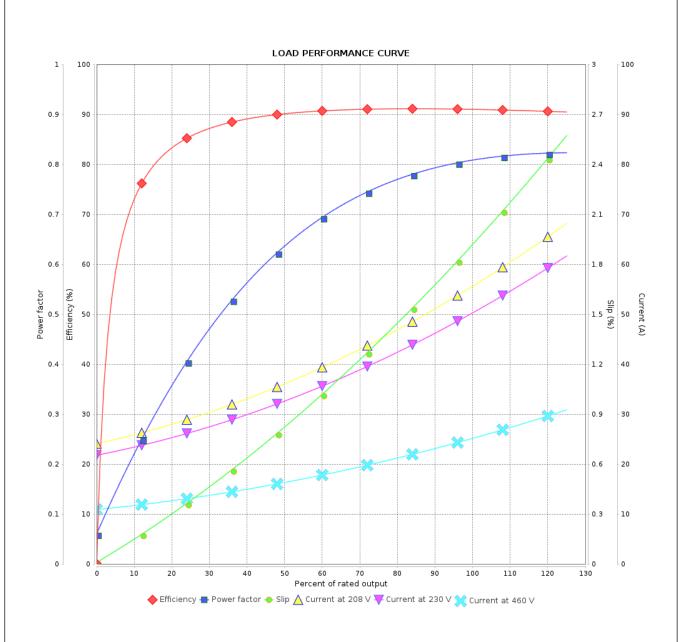
Customer :

Checked by

Date

19/10/2024

Product line : ODP High Efficiency Three-Phase Product code : 10372266



		·				
Performance	: 230/460 V 60 H	z 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 51.0/25.5 A : 5.6 : 8.22 kgfm : 229 % : 250 % : 1765 rpm	Di In Se Te	oment of uty cycle sulation ervice fac emperatu esign	class ctor	: 0.0778 kgm ² : Cont.(S1) : F : 1.15 : 105 K : B	
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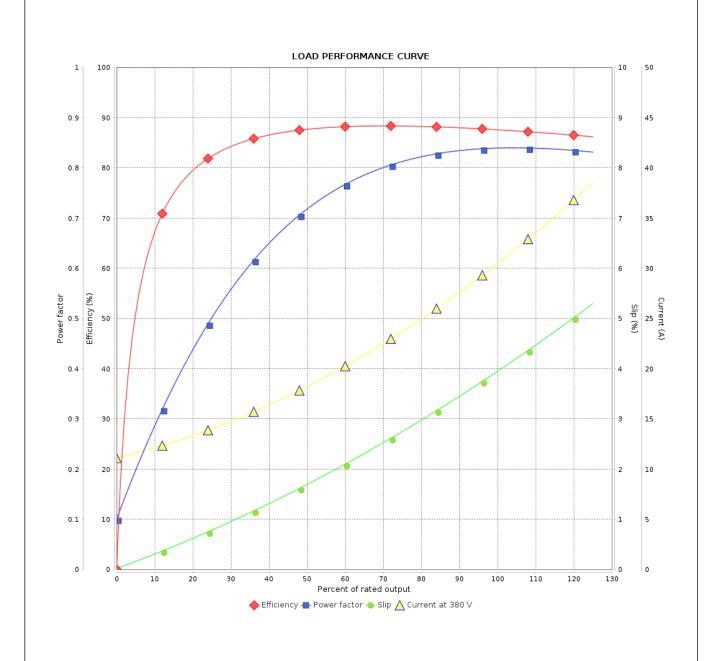
Revision

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 10372266



Performance	: 38	80 V 50 Hz 4P					
Rated current		1.0 A	Moment of inertia (J)		: 0.0778 kgm²		
LRC	: 3.			Duty cycle		: Cont.(S1)	
Rated torque		0.1 kgfm	Insulation	class	: F		
Locked rotor torque :		60 %	Service fa	Service factor		: 1.00	
Breakdown torque		60 %	Temperati	Temperature rise		: 105 K	
Rated speed	: 14	440 rpm	Design		: B		
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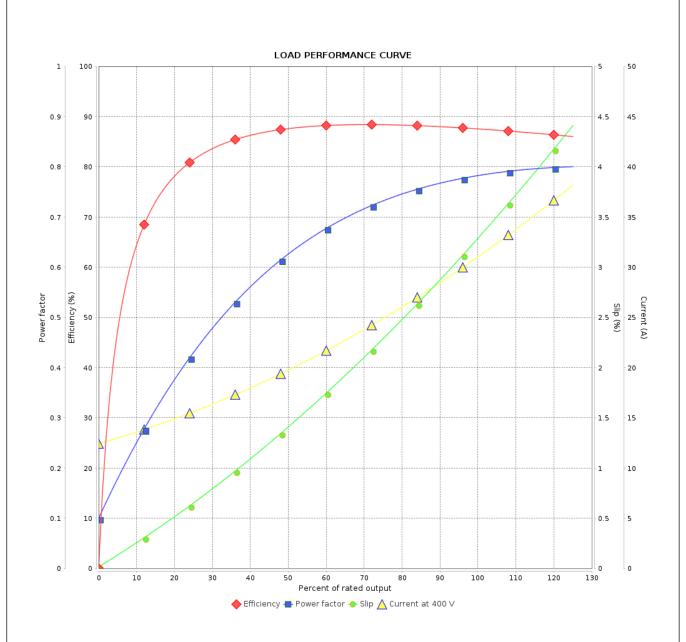
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19/10/2024

Product line : ODP High Efficiency Three-Phase Product code : 10372266



Performance	: 400 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 31.7 A : 4.1 : 10.0 kgfm : 180 % : 180 % : 1450 rpm	D Ir S	loment of outy cycle nsulation ervice fact emperatures	class ctor	: 0.0778 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
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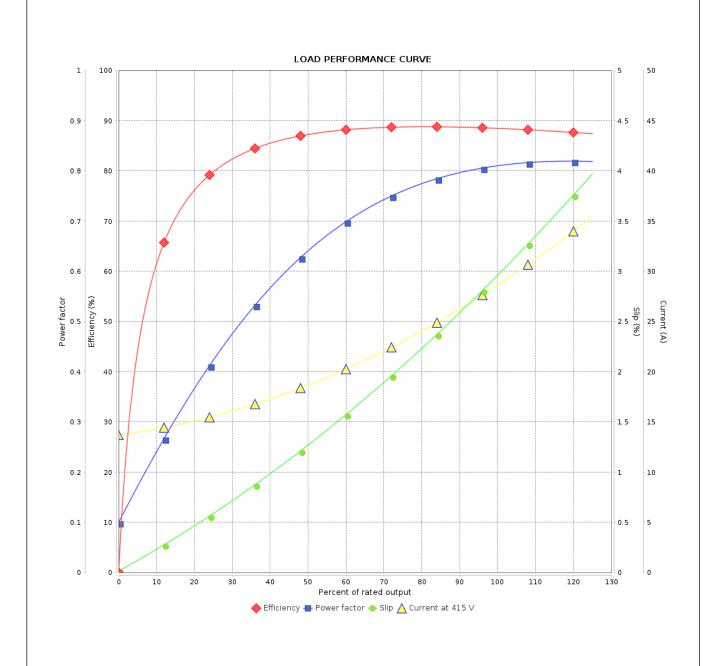
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Performance	: 41	15 V 50 Hz 4P					
Rated current LRC).6 A 5	Moment of inertia (J)		: 0.0778 kgm² : Cont.(S1)		
Rated torque		98 kgfm	Duty cycle Insulation class		: F		
Locked rotor torque Breakdown torque		00 % 00 %		Service factor Temperature rise		: 1.00 : 105 K	
Rated speed		155 rpm	Design		: B		
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