DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : ODP High Efficiency Three-Phase Product code: 13659279

Frame : 254TC Cooling method : IC01 - ODP 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

· 94 3 kg Altitude : 1000 m.a.s.l. Approx. weight³

Altitude		: 1000 m.a.s.l.	Approx. weight : 94.3 kg				
Protection degree		: IP23	Moment of ine	Moment of inertia (J) : 0.0338 kgm²			
Design		: B					
Output [HP]		20	20	20	20		
Poles		2	2	2	2		
Frequency [Hz]		60	50	50	50		
Rated voltage [V]		230/460	380	400	415		
Rated current [A]		48.6/24.3	30.3	29.4	28.7		
L. R. Amperes [A]		282/141	127	135	144		
LRC [A]		5.8x(Code G)	4.2x(Code D)	4.6x(Code E)	5.0x(Code F)		
No load current [A]	16.4/8.20	8.63	10.4	12.1		
Rated speed [RPN	1]	3525	2890	2905	2920		
Slip [%]		2.08	3.67	3.17	2.67		
Rated torque [kgfm]		4.12	5.02	5.00	4.97		
Locked rotor torqu	e [%]	160	130	140	160		
Breakdown torque [%]		250	200	210	229		
Service factor		1.15	1.00	1.15	1.15		
Temperature rise		105 K	105 K	105 K	105 K		
Locked rotor time		18s (cold) 10s (hot)	18s (cold) 10s (hot)	16s (cold) 9s (hot)	16s (cold) 9s (hot)		
Noise level ²		66.0 dB(A)					
	25%						
Efficiency (%)	50%	89.5	86.5	86.5	87.5		
Efficiency (70)	75%	90.2	87.5	87.5	87.5		
	100%	90.2	86.5	86.5	87.5		
	25%						
Power Factor	50%	0.74	0.77	0.71	0.66		
FOWEI FACIOI	75%	0.83	0.85	0.81	0.78		
	100%	0.86	0.87	0.85	0.83		
		D: 1 11 1					

Non drive end Drive end Foundation loads

Bearing type 6309 Z C3 6209 Z C3 Max. traction : 132 kgf Sealing Without Without Max. compression : 227 kgf

Bearing Seal Bearing Seal Lubrication interval 20000 h 20000 h

Lubricant amount 13 g 9 g Mobil Polyrex EM Lubricant type

Notes

USABLE @208V 53.7A SF 1.15 SFA 61.8A

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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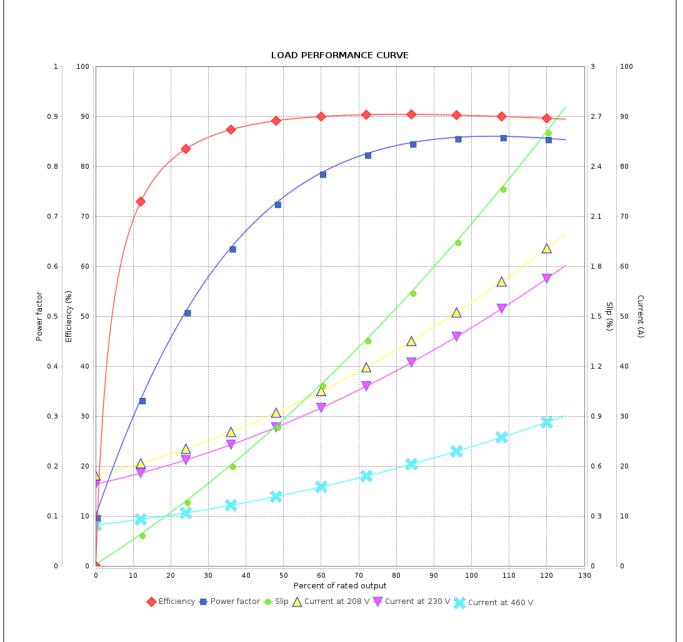
Customer :

Checked by

Date

13/11/2025

Product line : ODP High Efficiency Three-Phase Product code : 13659279



Performance	: 230/460 V 60) Hz 2P			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed		Duty cycl Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
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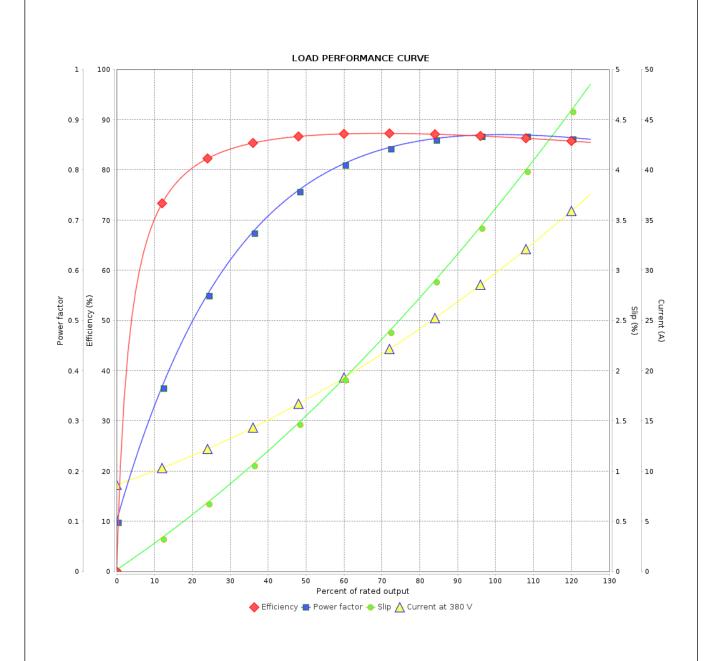
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 13659279



Performance	: 3	80 V 50 Hz 2P				
Rated current : 30 LRC : 4.		0.3 A 2		Moment of inertia (J) Duty cycle		2
Rated torque : 5.		.02 kgfm	Insulation	Insulation class		
		30 % 00 %		Service factor Temperature rise		
Rated speed	: 28	890 rpm	Design		: B	
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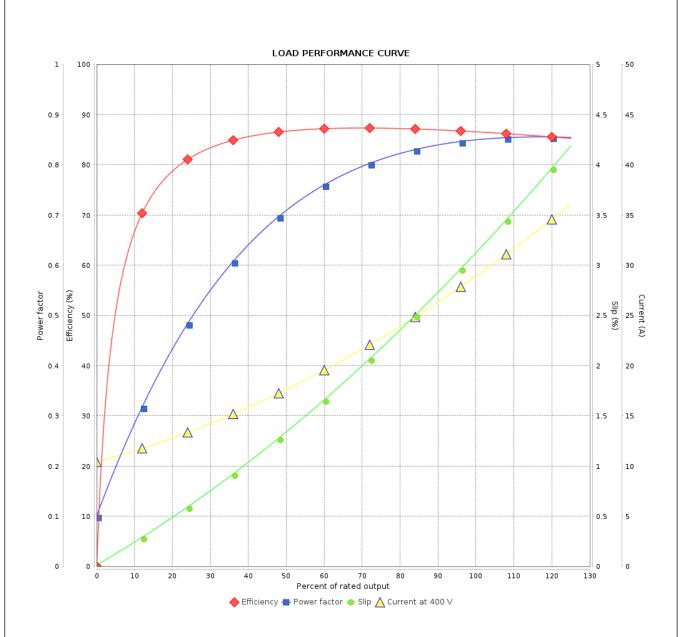
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Product line : ODP High Efficiency Three-Phase Product code : 13659279



Performance	: 4	400 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 4 : 1 : 1 : 1 : 2	29.4 A 4.6 5.00 kgfm 140 % 210 % 2905 rpm	Moment of Duty cycle Insulation Service fa Temperation	class ctor	: 0.0338 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
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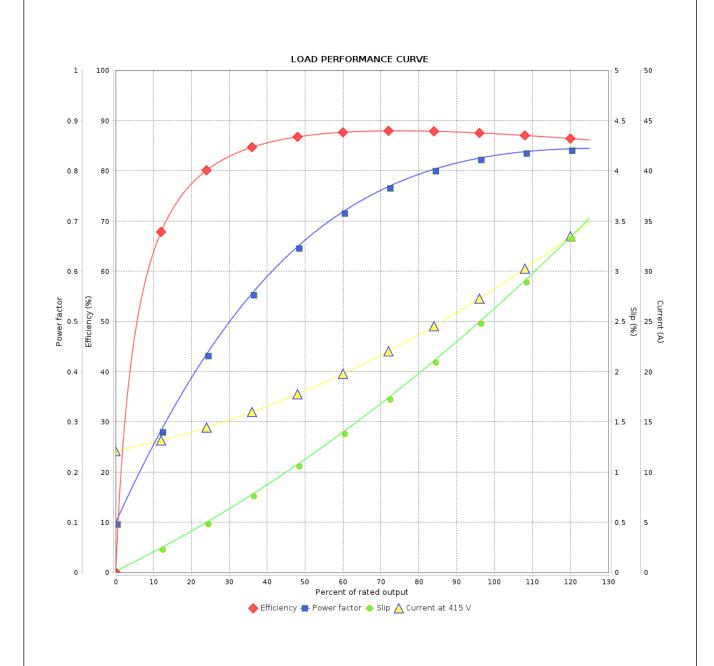
Customer :

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Date

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Product line : ODP High Efficiency Three-Phase Product code : 13659279



Performance	: 415 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 28.7 A : 5.0 : 4.97 kgfm : 160 % : 229 % : 2920 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0338 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	
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