DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11997217

Frame : 284TC Cooling method : IC01 - ODP Insulation class : F Mounting : F-1

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 : 0.0 kg

Ailitude				ox. weight . 0.0 kg				
Protection degree		: IP23	Moment of ine	Moment of inertia (J) : 0.1166 kgm²				
Design		: B						
Output [HP]		25	25	25	25			
Poles		4	4	4	4			
Frequency [Hz]		60	50	50	50			
Rated voltage [V]		230/460	380	400	415			
Rated current [A]		60.2/30.1	37.4	35.9	34.6			
L. R. Amperes [A]		361/181	168	180	187			
LRC [A]		6.0x(Code G)	4.5x(Code D)	5.0x(Code E)	5.4x(Code F)			
No load current [A]		23.0/11.5	10.8	11.8	12.7			
Rated speed [RPN	1]	1765	1445	1450	1455			
Slip [%]		1.94	3.67	3.33	3.00			
Rated torque [kgfn	n]	10.3	12.6	12.5	12.5			
Locked rotor torqu	e [%]	220	170	190	210			
Breakdown torque	[%]	250	180	200	220			
Service factor		1.15	1.15	1.15	1.15			
Temperature rise		80 K	80 K	80 K	80 K			
Locked rotor time		23s (cold) 13s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	23s (cold) 13s (hot)			
Noise level ²		62.0 dB(A)						
	25%							
Efficiency (%)	50%	91.0	88.5	88.5	89.5			
Efficiency (70)	75%	91.7	90.2	89.5	90.2			
	100%	91.7	88.5	88.5	89.5			
	25%							
Power Factor	50%	0.70	0.75	0.72	0.69			
FOWEI FACIOI	75%	0.79	0.83	0.81	0.79			
	100%	0.84	0.85	0.84	0.83			

Drive end Non drive end Foundation loads

Bearing type : 6311 Z C3 6211 Z C3 Max. traction : 392 kgf
Sealing : Without Without Max. compression : 392 kgf

Bearing Seal Bearing Seal Lubrication interval : 20000 h 20000 h

Lubricant amount : 18 g 11 g Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 66.6A SF 1.15 SFA 76.6A

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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Three Phase Induction Motor - Squirrel Cage



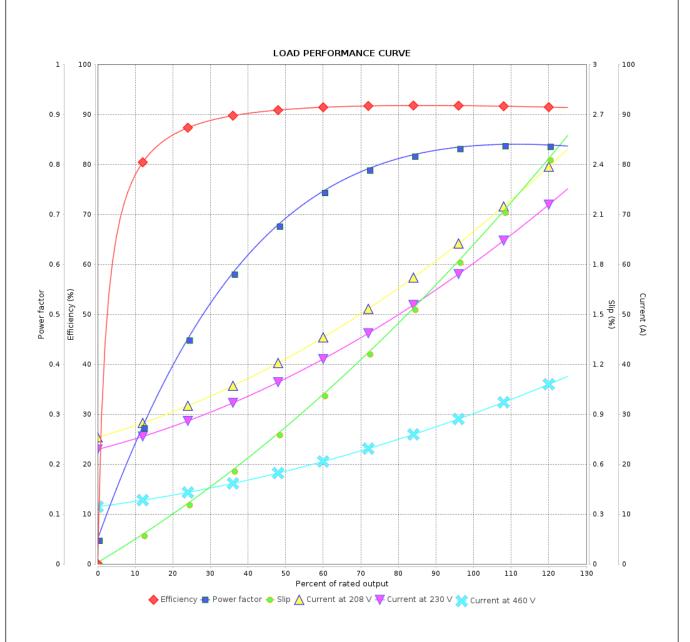
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Date

13/11/2025

Product line : ODP High Efficiency Three-Phase Product code : 11997217



Performance		: 230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 60.2/30.1 A : 6.0 : 10.3 kgfm : 220 % : 250 % : 1765 rpm	Moment of Duty cycle Insulation Service far Temperation Design	class ctor	: 0.1166 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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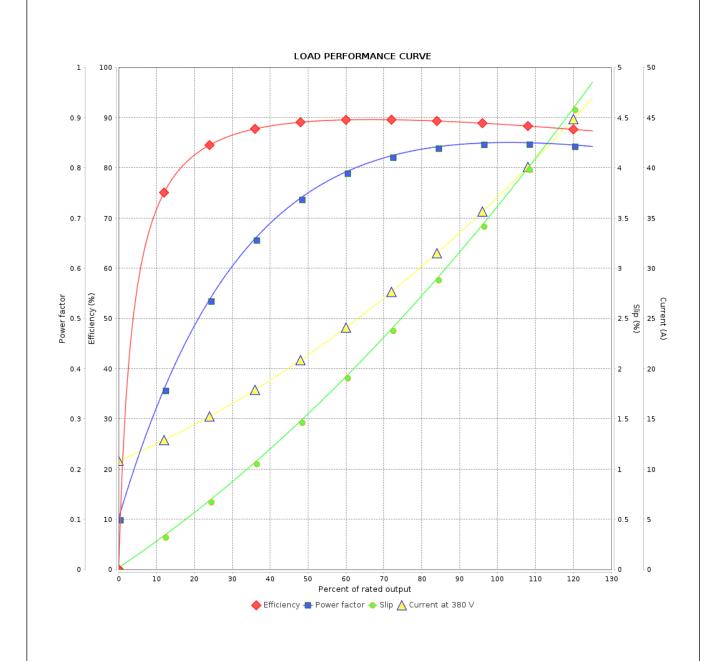
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11997217



Performance	: 38	80 V 50 Hz 4P					
Rated current :		7.4 A	Moment of inertia (J)		: 0.1166 kgm²		
LRC	: 4.	.5	Duty cycle	Duty cycle			
Rated torque	: 12	2.6 kgfm	Insulation	Insulation class			
Locked rotor torq	ue : 1	70 %	Service fa	octor	: 1.15		
Breakdown torque		80 %	Temperati	Temperature rise		: 80 K	
Rated speed		445 rpm	Design	Design			
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Three Phase Induction Motor - Squirrel Cage



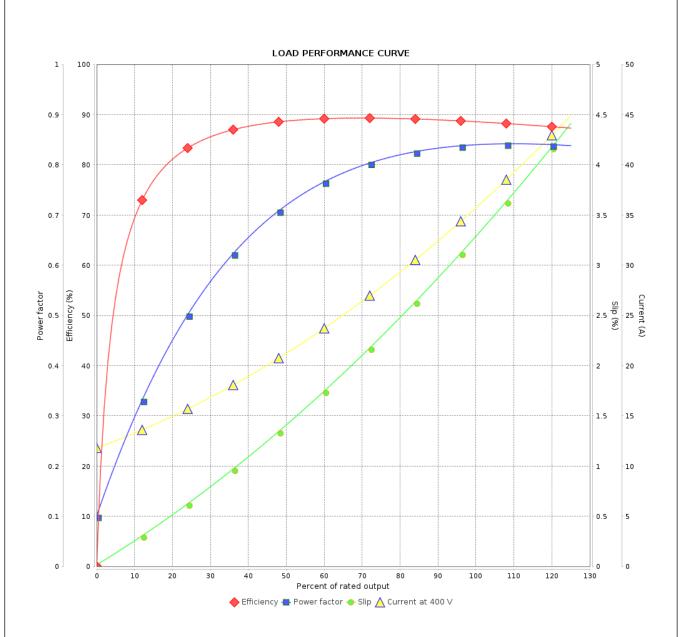
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Date

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Product line : ODP High Efficiency Three-Phase Product code : 11997217



Performance	: 4	00 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 5 : 1 jue : 1	5.9 A 6.0 2.5 kgfm 90 % 00 % 450 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.1166 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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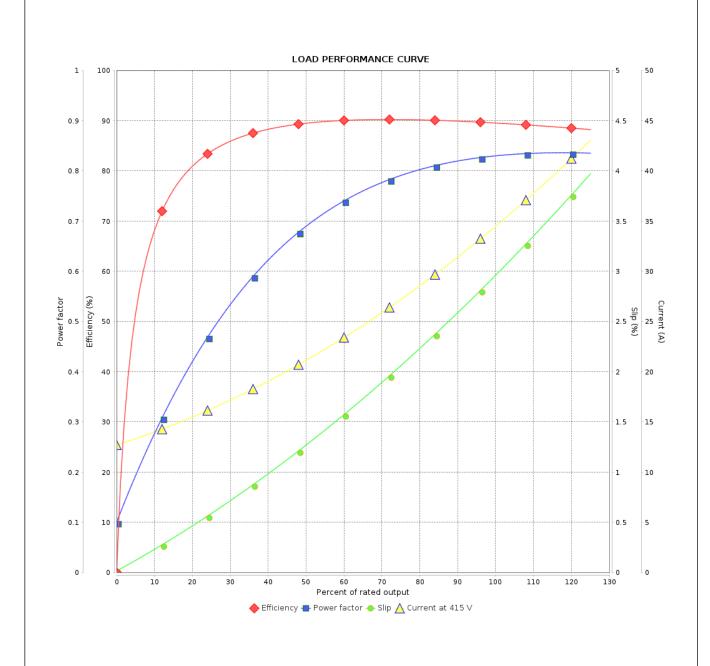
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Date

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Product line : ODP High Efficiency Three-Phase Product code : 11997217



Performance	: 415 V 50 Hz 4P IE1					
Rated current : 34.6 A		Moment of inertia (J)		: 0.1166 kgm²		
LRC	: 5.4	Duty cycle	;	: Cont.(S1)		
Rated torque	: 12.5 kgfm	Insulation	class	: F		
Locked rotor torque : 210 %		Service factor		: 1.15		
Breakdown torque : 220 %		Temperature rise		: 80 K		
Rated speed : 1455 rpm		Design		: B		
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