

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 10036OP3JFP365TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282392
Catalog # : 10036OP3JFP365TS-W40

Frame	: 364/5TS	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 100 HP (75 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 139 A	Protection degree	: IP23
L. R. Amperes	: 794 A	Cooling method	: IC01 - ODP
LRC	: 5.7x(Code F)	Mounting	: F-1
No load current	: 34.1 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3550 rpm	Starting method	: Direct On Line
Slip	: 1.39 %	Approx. weight ³	: 730 lb
Rated torque	: 146 ft.lb		
Locked rotor torque	: 170 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 6.80 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.2	92.4	93.0	93.0	Max. traction	: 801 lb
Power Factor	0.57	0.80	0.85	0.88	Max. compression	: 1531 lb

	Drive end	Non drive end
Bearing type	: 6314 C3	: 6212 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 14418 h	: 20000 h
Lubricant amount	: 27 g	: 13 g
Lubricant type	: Mobil Polyrex EM	

Notes
downloaded from <http://dealerselectric.com>

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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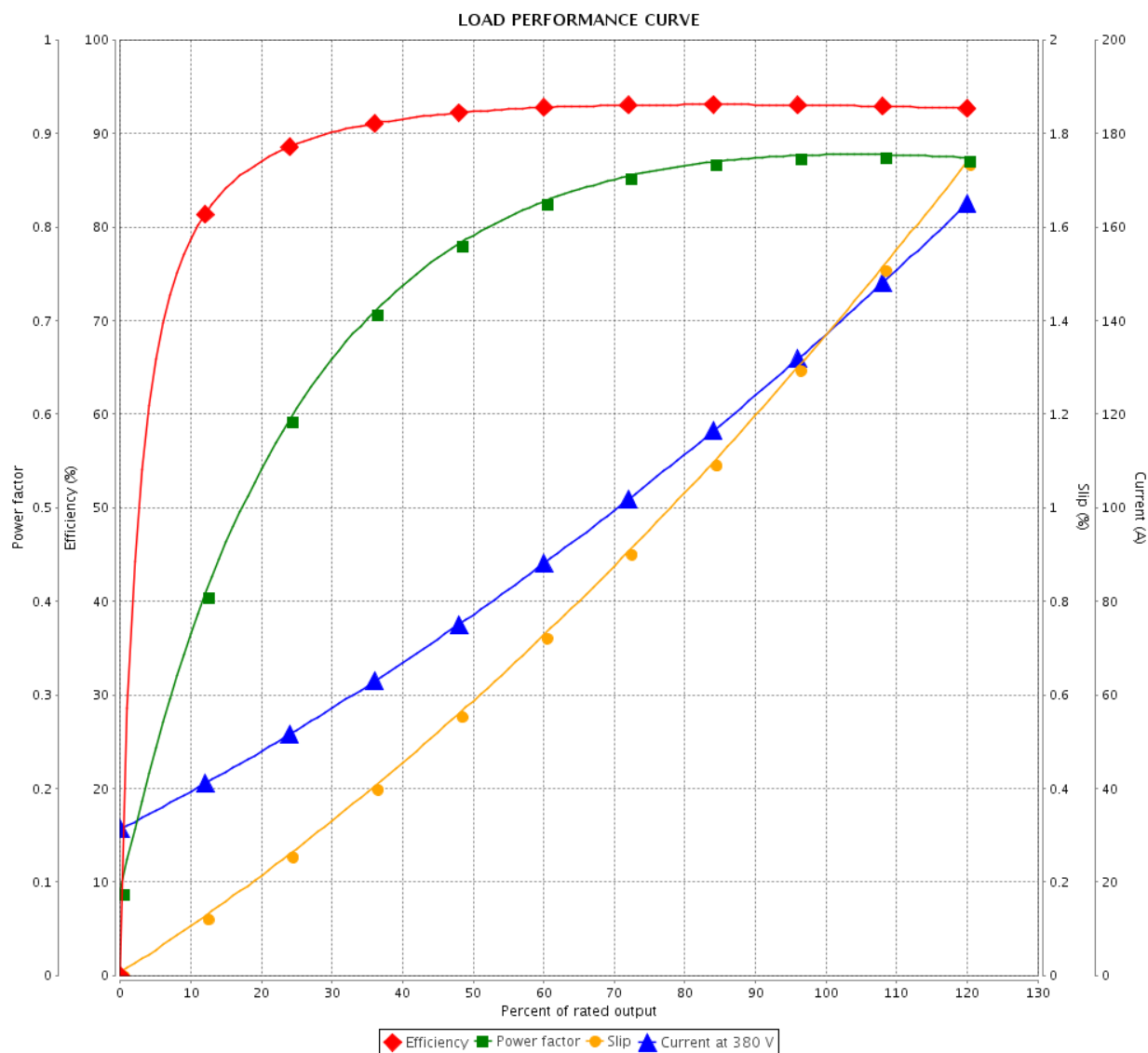
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Performance : 380 V 60 Hz 2P

Rated current	: 139 A	Moment of inertia (J)	: 6.80 sq.ft.lb
LRC	: 5.7	Duty cycle	: Cont.(S1)
Rated torque	: 146 ft.lb	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.15
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 3550 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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