

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 10036OP3VFP365TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14282394  
Catalog # : 10036OP3VFP365TS-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	: 200/400 V	Altitude	: 1000 m.a.s.l.
Rated current	: 265/132 A	Protection degree	: IP23
L. R. Amperes	: 1508/754 A	Cooling method	: IC01 - ODP
LRC	: 5.7x(Code F)	Mounting	: F-1
No load current	: 64.9/32.4 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3550 rpm	Starting method	: Direct On Line
Slip	: 1.39 %	Approx. weight <sup>3</sup>	: 733 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	: 799 lb
Power Factor	0.57	0.80	0.85	0.88	Max. compression	: 1532 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.

Rev.	Changes Summary	Performed	Checked	Date
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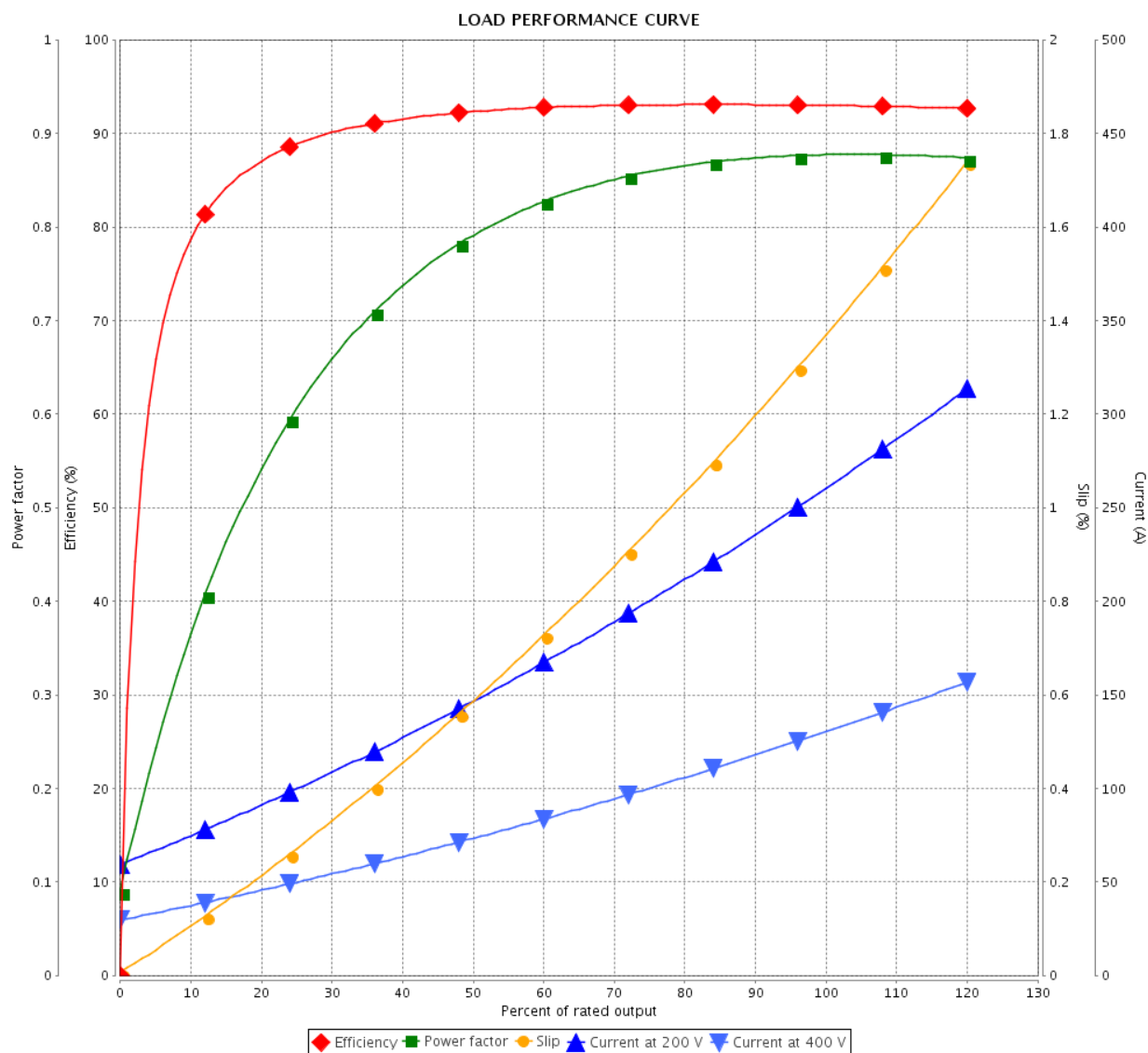
# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 10036OP3VFP365TS-W40

Product line : W40 High Efficiency Three-Phase      Product code : 14282394  
Catalog # : 10036OP3VFP365TS-W40



Performance : 200/400 V 60 Hz 2P

Rated current : 265/132 A  
LRC : 5.7  
Rated torque : 146 ft.lb  
Locked rotor torque : 170 %  
Breakdown torque : 229 %  
Rated speed : 3550 rpm

Moment of inertia (J) : 6.80 sq.ft.lb  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 105 K  
Design : B

Rev.	Changes Summary		Performed	Checked	Date
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