

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
 Customer reference : 10036OT3E365TS-W40G

Product line : W40 NEMA Premium Efficiency Three-Phase Product code : 14272921
 Catalog # : 10036OT3E365TS-W40G

Frame : 364/5TS	Locked rotor time : 23s (cold) 13s (hot)
Output : 100 HP (75 kW)	Temperature rise : 80 K
Poles : 2	Duty cycle : Cont.(S1)
Frequency : 60 Hz	Ambient temperature : -20°C to +40°C
Rated voltage : 208-230/460 V	Altitude : 1000 m.a.s.l.
Rated current : 257-232/116 A	Protection degree : IP23
L. R. Amperes : 1693-1531/766 A	Cooling method : IC01 - ODP
LRC : 6.6x(Code G)	Mounting : F-1
No load current : 50.9-59.0/29.5 A	Rotation ¹ : Both (CW and CCW)
Rated speed : 3555 rpm	Noise level ² : 84.0 dB(A)
Slip : 1.25 %	Starting method : Direct On Line
Rated torque : 146 ft.lb	Approx. weight ³ : 774 lb
Locked rotor torque : 180 %	
Breakdown torque : 229 %	
Insulation class : F	
Service factor : 1.25	
Moment of inertia (J) : 7.20 sq.ft.lb	
Design : B	

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	92.2	92.4	93.6	93.6	Max. traction : 1068 lb
Power Factor	0.55	0.77	0.84	0.87	Max. compression : 1843 lb

	<u>Drive end</u>	<u>Non drive end</u>
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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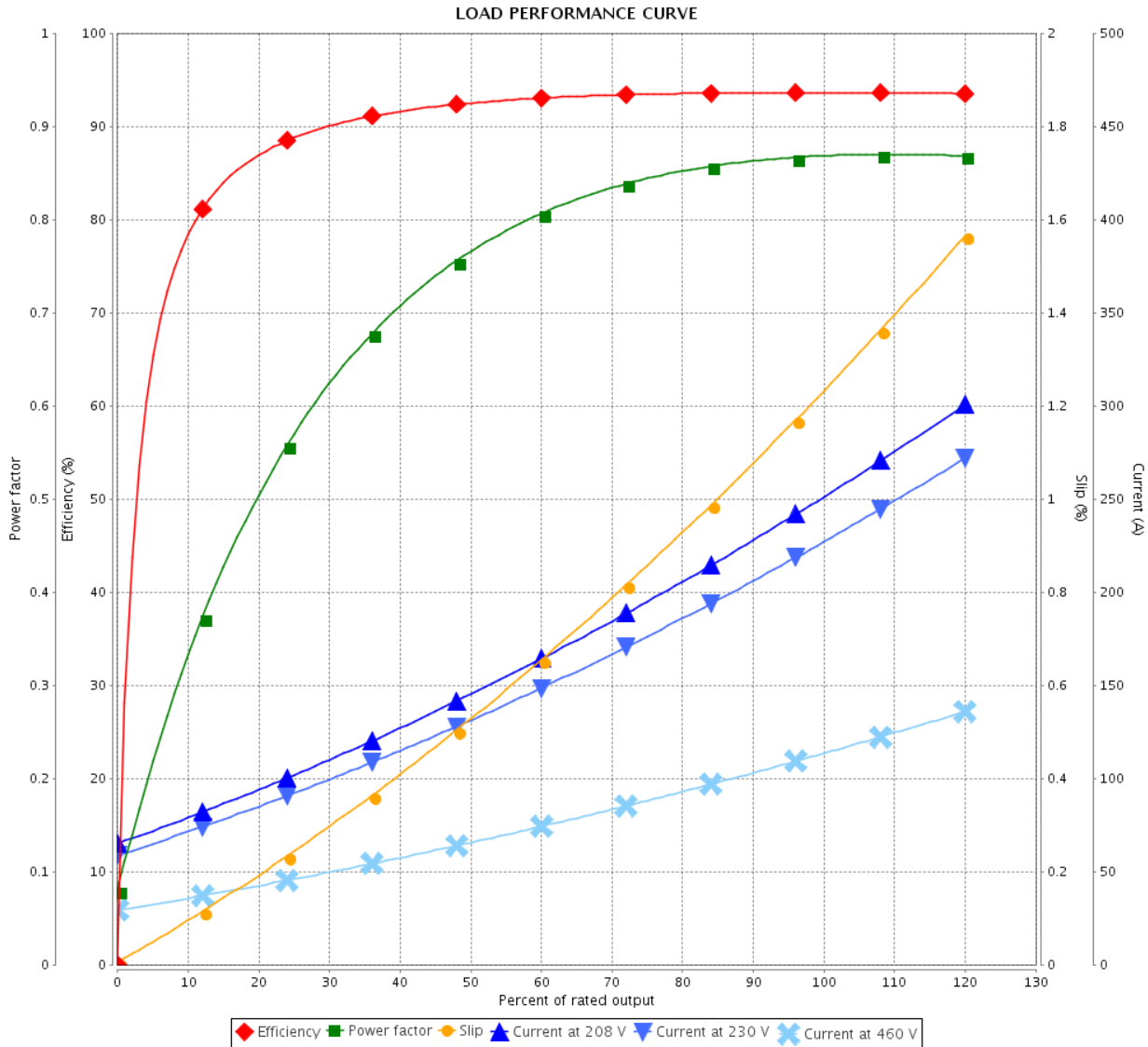
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Performance : 208-230/460 V 60 Hz 2P

Rated current : 257-232/116 A	Moment of inertia (J) : 7.20 sq.ft.lb
LRC : 6.6	Duty cycle : Cont.(S1)
Rated torque : 146 ft.lb	Insulation class : F
Locked rotor torque : 180 %	Service factor : 1.25
Breakdown torque : 229 %	Temperature rise : 80 K
Rated speed : 3555 rpm	Design : B

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