

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 02518OP3EFP284TS-W40

Product line : W40 High Efficiency Three-Phase Product code : 14490615
Catalog # : 02518OP3EFP284TS-W40

Frame	: 284TS	Locked rotor time	: 41s (cold) 23s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 105 K
Poles	: 4	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	: 66.6-60.2/30.1 A	Protection degree	: IP23
L. R. Amperes	: 399-361/181 A	Cooling method	: IC01 - ODP
LRC	: 6.0x(Code G)	Mounting	: F-1
No load current	: 17.2-20.0/10.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Starting method	: Direct On Line
Slip	: 1.94 %	Approx. weight ³	: 365 lb
Rated torque	: 73.4 ft.lb		
Locked rotor torque	: 229 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.88 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	90.8	91.0	91.7	91.7	Max. traction
Power Factor	0.46	0.68	0.79	0.84	Max. compression

	Drive end	Non drive end
Bearing type	: 6311 Z C3	6211 Z C3
Sealing	: Without Bearing Seal	Without Bearing Seal
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 18 g	11 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
Performed by				
Checked by				
Date	14/04/2019			

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Revision

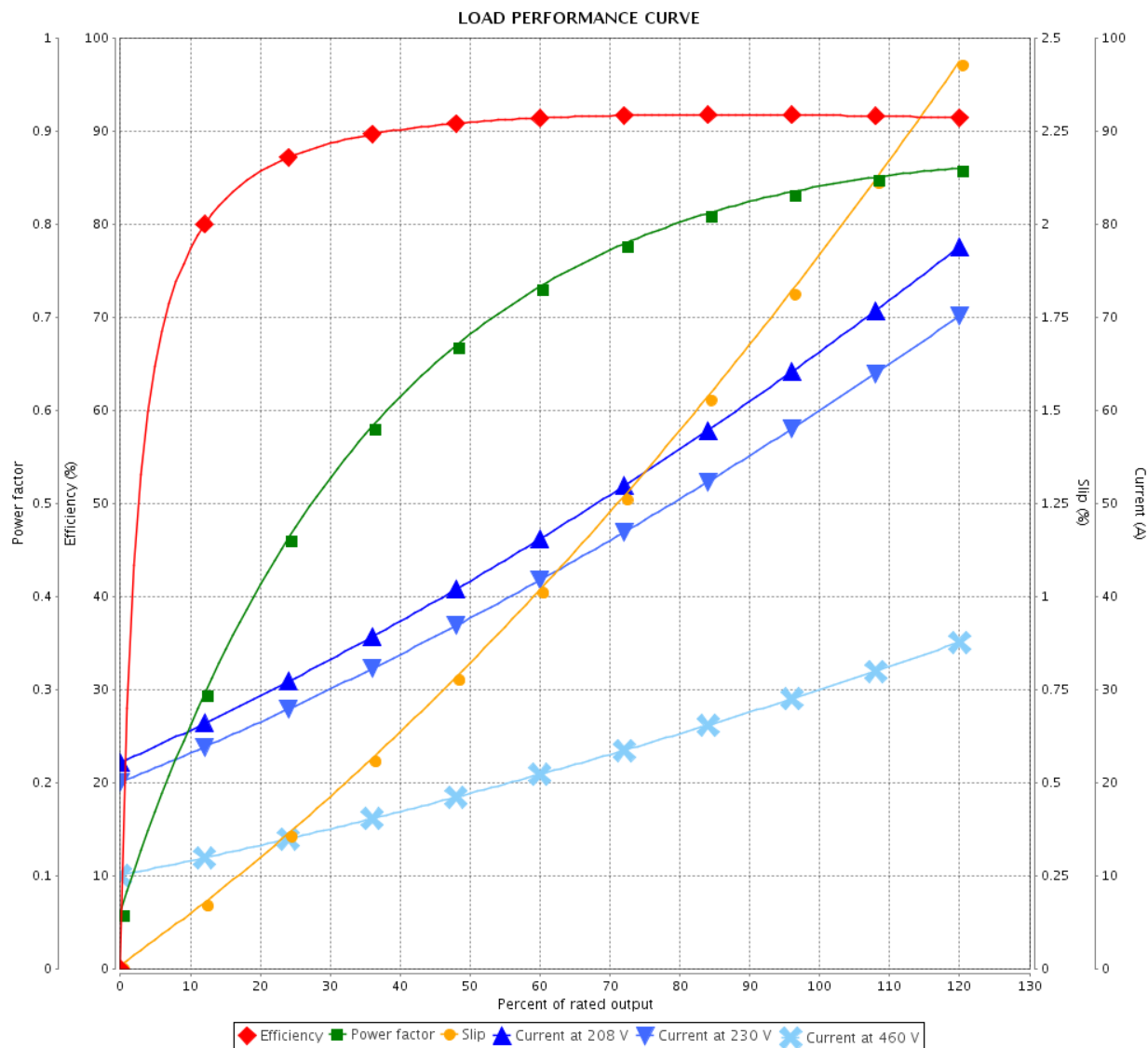
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Performance : 208-230/460 V 60 Hz 4P

Rated current : 66.6-60.2/30.1 A
LRC : 6.0
Rated torque : 73.4 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 229 %
Rated speed : 1765 rpm

Moment of inertia (J) : 2.88 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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