

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
 Customer reference : 02018OP3EFP256T-W40

Product line : W40 High Efficiency Three-Phase Product code : 14490498
 Catalog # : 02018OP3EFP256T-W40

Frame	: 254/6T	Locked rotor time	: 23s (cold) 13s (hot)
Output	: 20 HP (15 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	: 54.4-49.2/24.6 A	Protection degree	: IP23
L. R. Amperes	: 316-285/143 A	Cooling method	: IC01 - ODP
LRC	: 5.8x(Code G)	Mounting	: F-1
No load current	: 17.6-20.4/10.2 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1760 rpm	Starting method	: Direct On Line
Slip	: 2.22 %	Approx. weight ³	: 293 lb
Rated torque	: 58.9 ft.lb		
Locked rotor torque	: 229 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.63 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	90.0	90.2	91.0	91.0	Max. traction
Power Factor	0.44	0.70	0.80	0.84	Max. compression

	Drive end	Non drive end
Bearing type	: 6309 Z C3	6209 Z C3
Sealing	: Without Bearing Seal	Without Bearing Seal
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 13 g	9 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		Page		Revision
Checked by		1 / 2		
Date	13/04/2019			

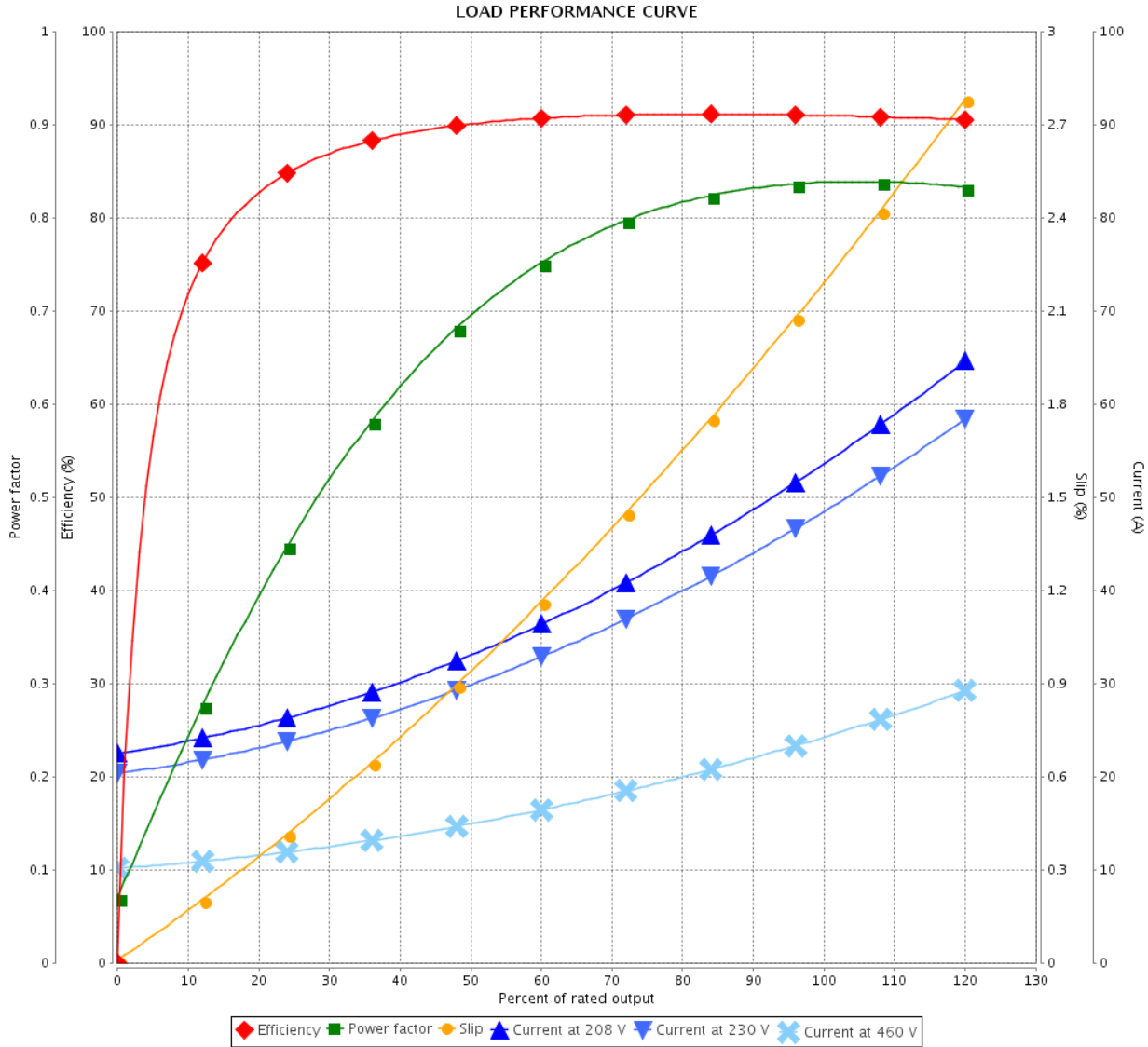
LOAD PERFORMANCE CURVE



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
 Customer reference : 02018OP3EFP256T-W40

Product line : W40 High Efficiency Three-Phase Product code : 14490498
 Catalog # : 02018OP3EFP256T-W40



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

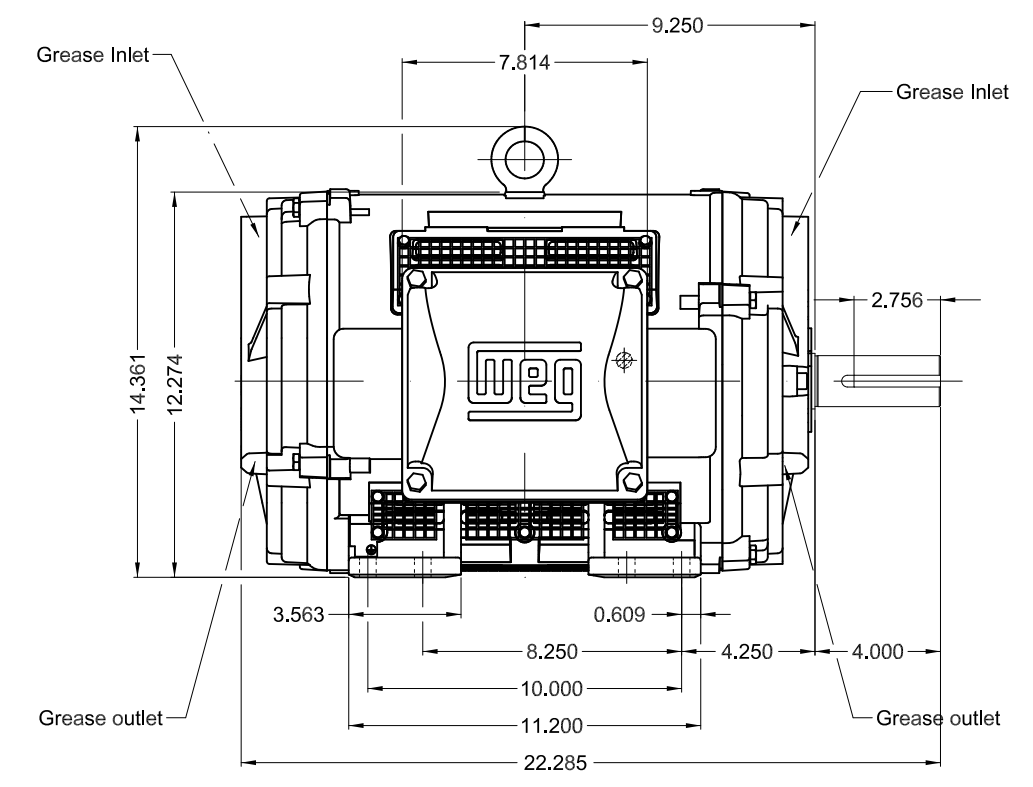
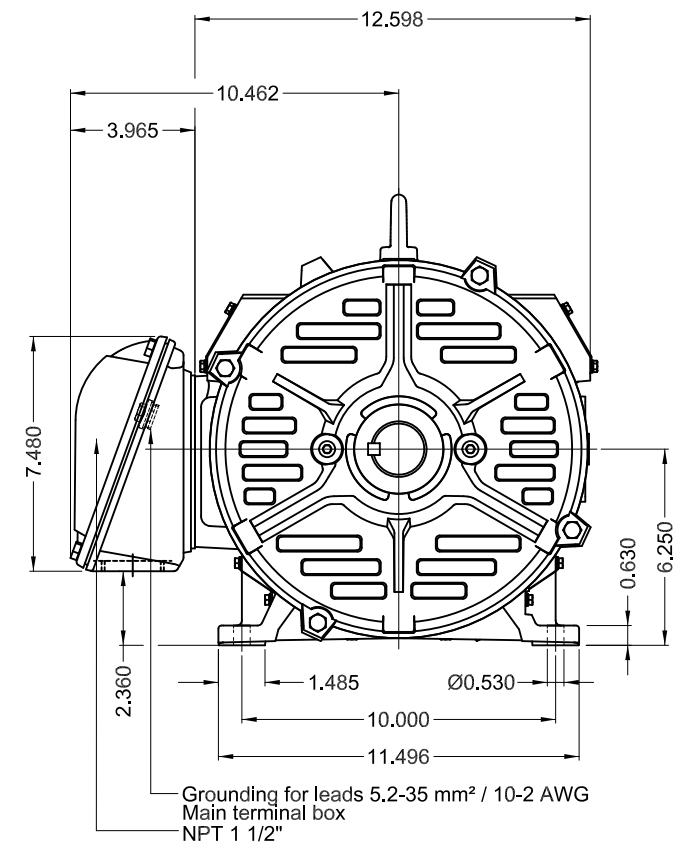
Rated current : 54.4-49.2/24.6 A
 LRC : 5.8
 Rated torque : 58.9 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 270 %
 Rated speed : 1760 rpm

Moment of inertia (J) : 2.63 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
Performed by			Page 2 / 2	Revision
Checked by				
Date	13/04/2019			

Dimensões em polegada
Dimensions in inches

THIS IS AN UPDATED REVISION, THE
PREVIOUS ONE MUST BE DISREGARDED.



Color RAL 3002									
Painting plan 203A									
Mounting B3R(D)									
					SCALE	1:6			
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	USERADMIN	THREE PHASE W40 MOTOR HIGH EFF							
CHECKED		FRAME 254/6T IP23 ODP							
RELEASED		WEG code: 14490498							
REL DT	13.04.2019	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1			

20 HP 04 Poles 60Hz

A

