

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 03036OP3EFP284TSC-W4

Product line : W40 High Efficiency Three-Phase Product code : 14491854
Catalog # : 03036OP3EFP284TSC-W4

Frame	: 284TSC	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 30 HP (22 kW)	Temperature rise	: 105 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	: 77.2-69.8/34.9 A	Protection degree	: IP23
L. R. Amperes	: 479-433/216 A	Cooling method	: IC01 - ODP
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 19.0-22.0/11.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3540 rpm	Starting method	: Direct On Line
Slip	: 1.67 %	Approx. weight ³	: 324 lb
Rated torque	: 43.9 ft.lb		
Locked rotor torque	: 170 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.59 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	0.50	0.74	0.83	0.87	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

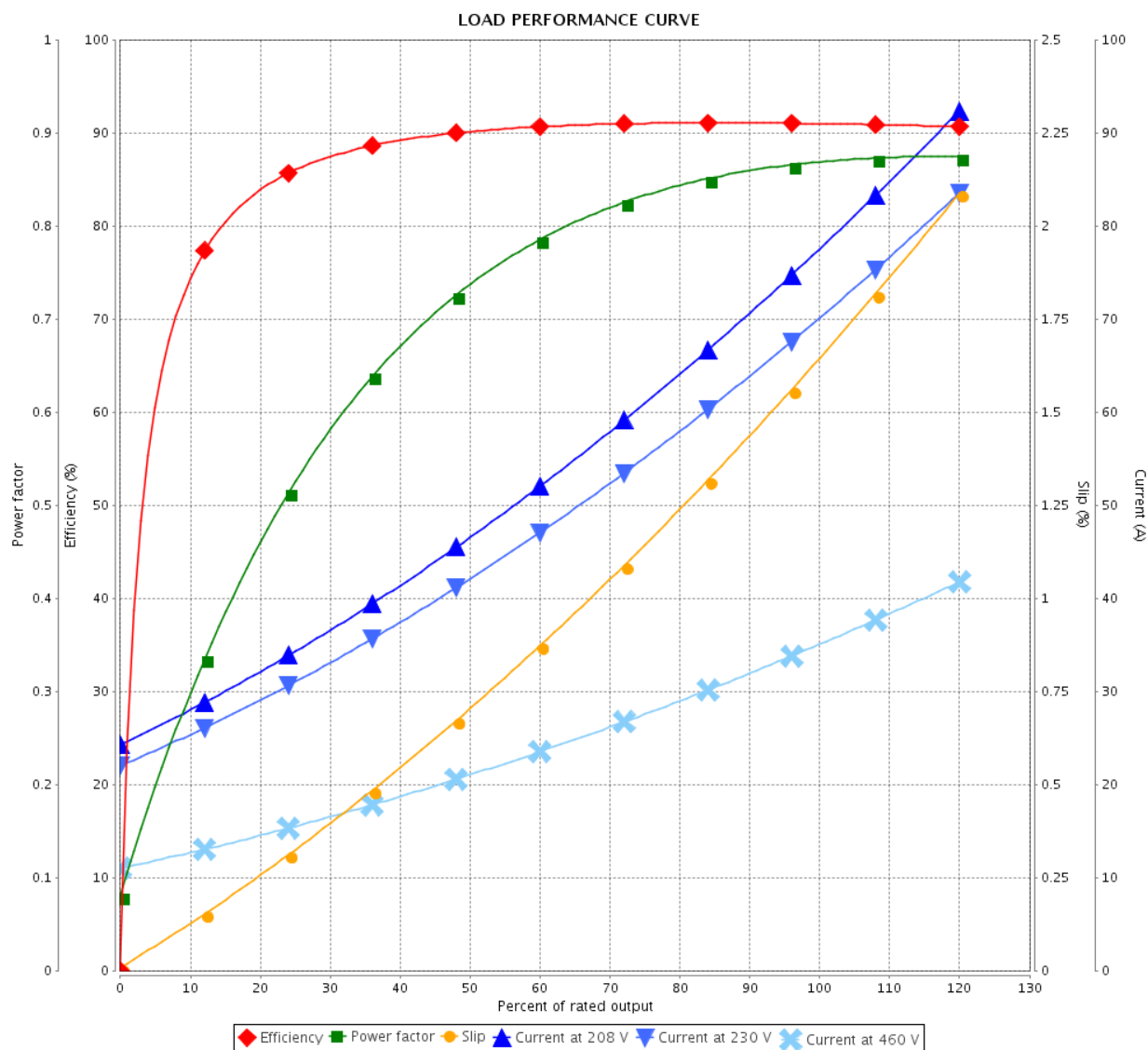
LOAD PERFORMANCE CURVE

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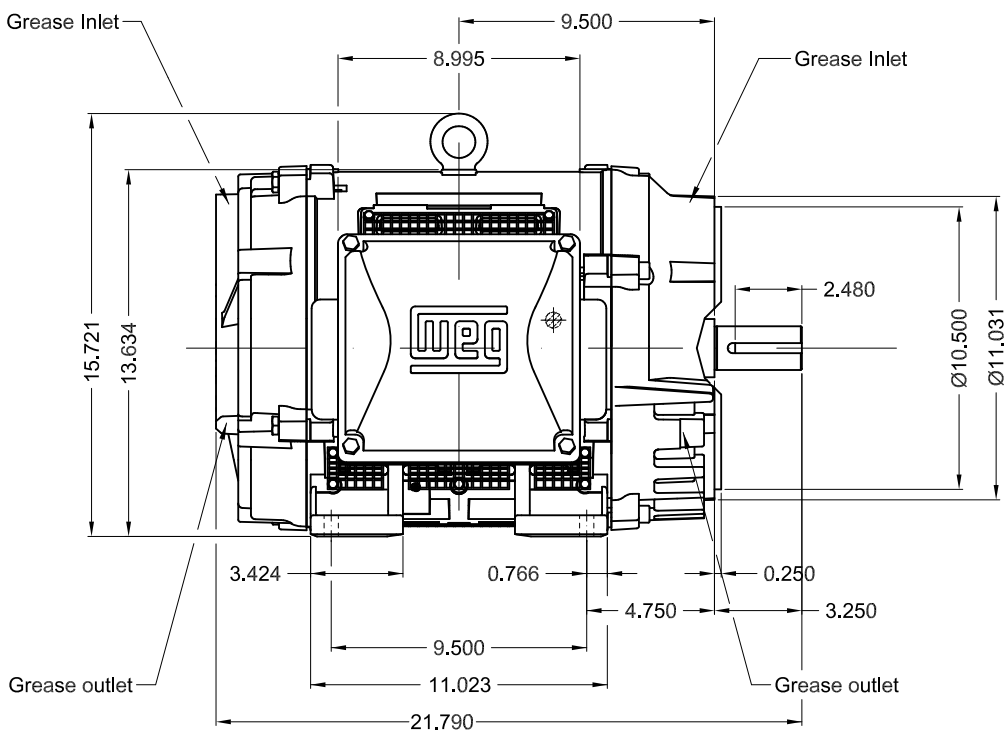
Performance : 208-230/460 V 60 Hz 2P

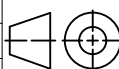

Rated current : 77.2-69.8/34.9 A
LRC : 6.2
Rated torque : 43.9 ft.lb
Locked rotor torque : 170 %
Breakdown torque : 260 %
Rated speed : 3540 rpm

Moment of inertia (J) : 1.59 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	Revision
Checked by				2 / 2	
Date					

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



Bearing cap										
Color RAL 3002										
Painting plan 203A										
Mounting B34R(D)										
								SCALE	1:7	
ECM	LOC	SUMMARY OF MODIFICATIONS			EXECUTED	CHECKED	RELEASED	DATE	VER	
EXECUTED	USERADMIN		THREE PHASE W40 MOTOR HIGH EFF							
CHECKED			FRAME 284TSC IP23 ODP							
RELEASED			WEG code: 14491854							
REL DT	14.04.2019	WMO	Jaragua do Sul		Product Engineering		SHEET	1 / 1		

MODEL 030360P3EFP284TSC-W4

MADE IN BRAZIL

14491854

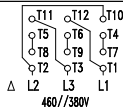
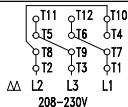

W40
CC029A

Inverter Duty Motor



For 60Hz use on PWM, VT 1000:1, CT 3:1, 1.0SF

PH 3	FR 284TSC	HP(kW) 30.0(22.0)	Hz 60
V 230/460	A 69.8/34.9	RPM 3540	DES B
NEMA NOM EFF 91.0 %	INS. CL. F Δ T 80 K	IP23	
ENCL ODP	DUTY CONT.	AMB. 40°C	
CODE G	PF 0.87	SF 1.15	SFA 80.3/40.1
USABLE @208V 77.2 A	SF 1.00		
30HP 22kW 50Hz 380V 41.7A 2920RPM SF1.00 EFF 90.0% (IE1)			


→ 6311-Z-C3
→ 6211-Z-C3

MOBIL POLYREX EM
18 g 20000 h

ALT 1000 m.a.s.l. 309 Lbs