

DATA SHEET

Premium Efficiency Motor: **PEWWE500-18-L449TBB-IB**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 1-Feb-2024
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Customer:

MOTOR INFORMATION	
HP	500
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	460V
Frame Size	L449T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.00
Poles	4
Full Load Speed	1785
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	0.83%
NEMA Design	A
Moment of Inertia	117 lb.ft.^2
Locked Rotor Time (Hot)	17 seconds
Sound Pressure Level	84 dB(A)
Number of Starts	2 Cold/ 1 Hot
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bi-Directional
Area of Classification	Class I, Division 2, Groups A, B, C, D
Inverter Rating	--
Standard	--
Approvals	--

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	96.2 %	0.91
75%	96.3 %	0.90
50%	96.0 %	0.85

TORQUE		
FULL LOAD	LRT	BDT
1471 lb.ft.	180 %	320 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	--A	534A
Locked Rotor Amps	--A	4000A
No Load Current	--A	129A
Usable at 208V	--A	

BEARING INFORMATION	
DE Bearing	6322 C3
ODE Bearing	6320 M/C3
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	1300 Hours
ODE Regreasing Interval	1800 Hours

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	4140 Carbon Steel
Connection Diagram	460 V - 6 Lead Δ
Approximate Weight	3290 lbs.

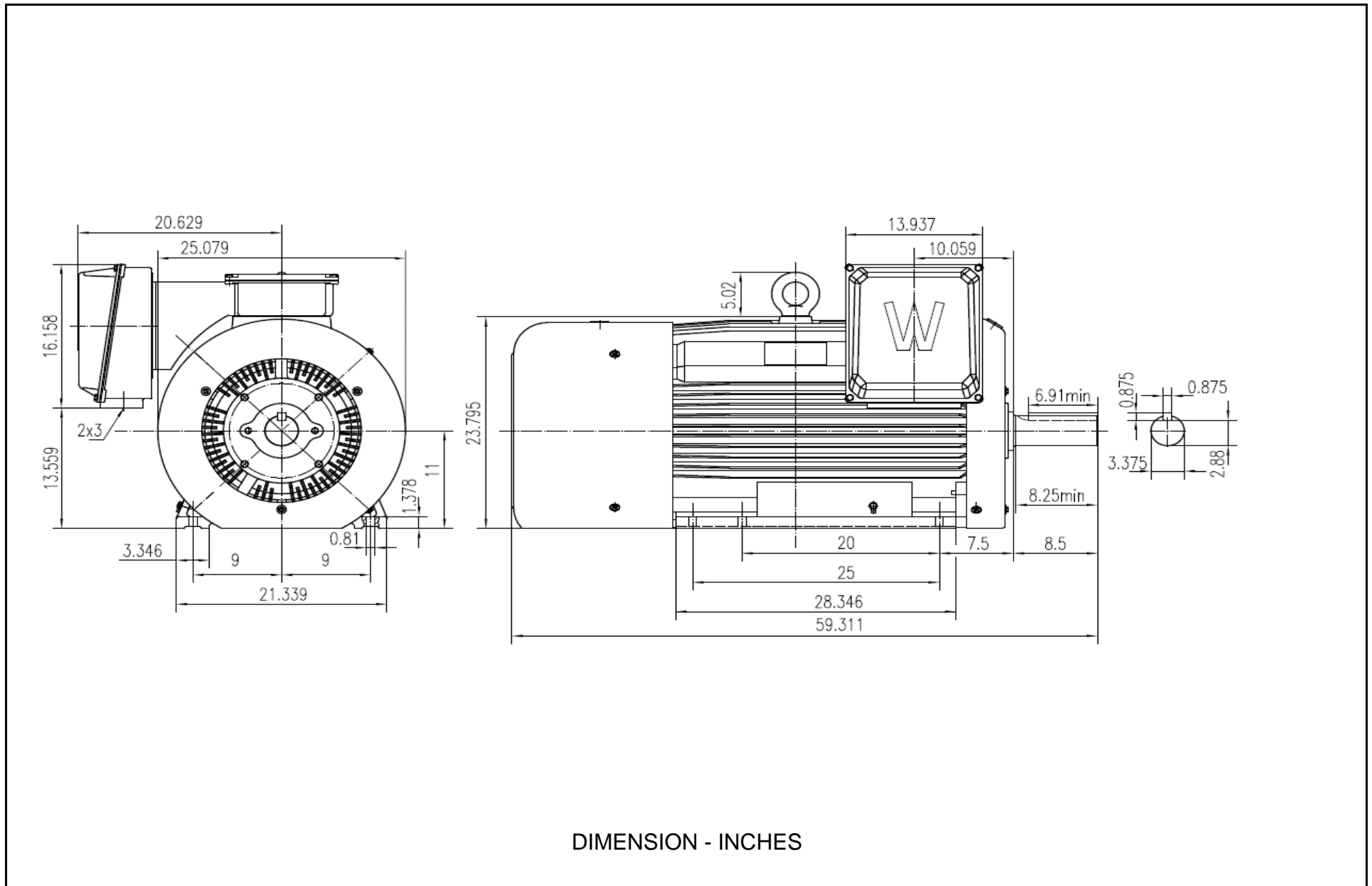
MOTOR DRAWING

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DIMENSION - INCHES

PERFORMANCE CURVES

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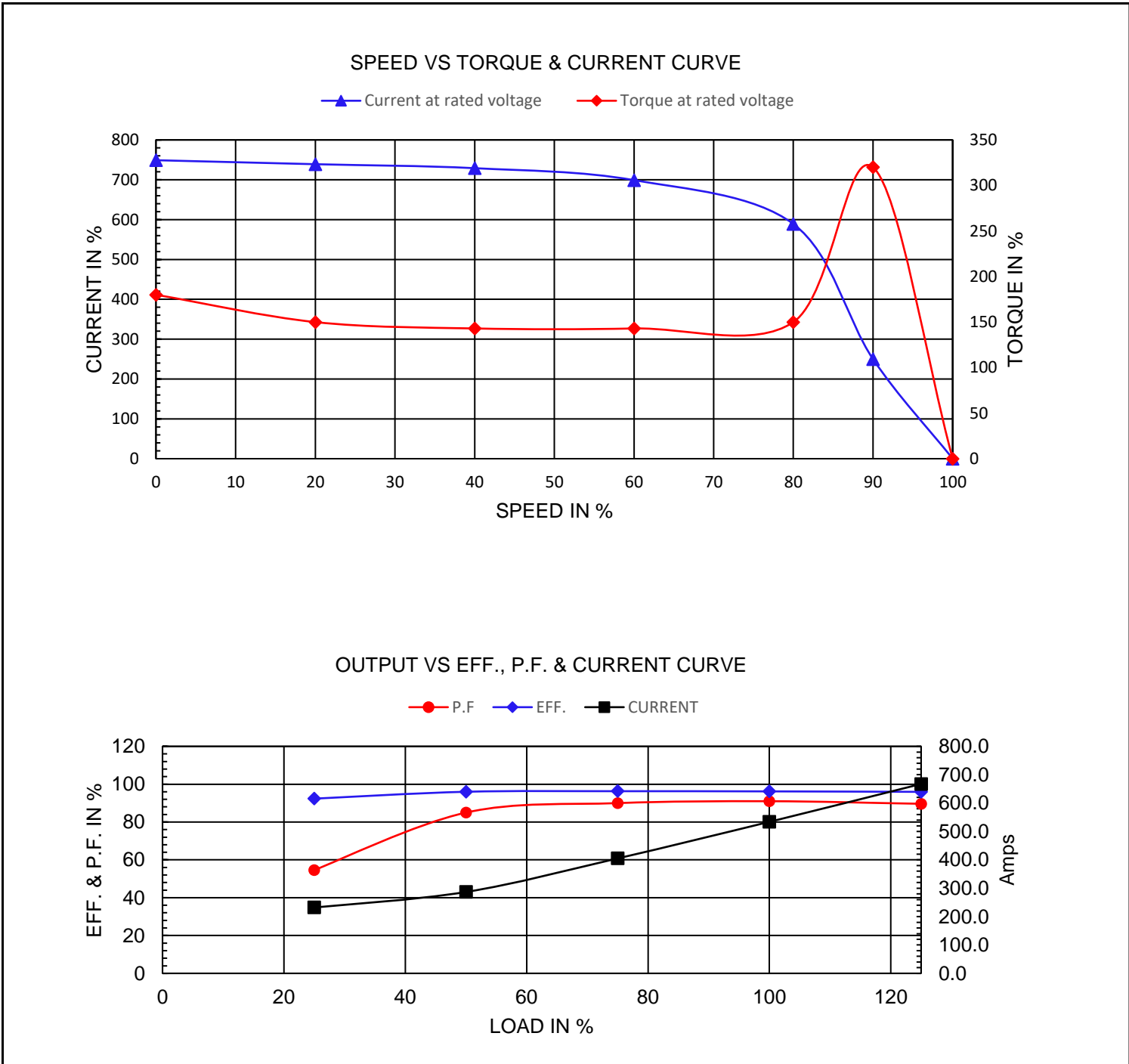
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Motor Type	PEWWE				
Output Rating (HP)	500	FL Speed	1785		
Full Load Torque	1471 lb.ft	LRT (%FLT)	180	460 volt FLA	534 A
Rotor Wk^2	117 lb-ft^2	BDT (%FLT)	320	230 volt FLA	-- A



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

				3-PHASE INDUCTION MOTOR		259277 	 CC006A	
Model				Ser No.				Connection
HP		S.F.		IP		Encl		
Frame		P.F.		Code		Type		
Voltage		Hz		Ins Cl		Rating	°C Amb Cont	
Amps		RPM		Design		Date		
Nom.Eff.	FL	% 3/4	%	V				
Class I DIV. 2 Groups A B C D				Amb.40°C				
DE Brng				Grease type: LGHP 2				
ODE Brng				(compatible with polyrex)				

Model	PEWWE500-18-L449TBB-IB						
HP	500	S.F.	1	IP	IP55	Encl	TEFC
Frame	L449T	P.F.	0.91	Code	H	Type	
Voltage	460V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	534	RPM	1785	Design	A	DE Brng 6322 C3	
Nom.Eff.	FL	96.2%	3/4	96.3%	ODE Brng 6320 M/C3		
Class I, Division 2, Groups A, B, C, D						Grease type: Mobil Polyrex EM	