

DATA SHEET

Premium Efficiency Motor: **PEWWE200-9-449T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	200
RPM	900
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	449T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	8
Full Load Speed	890
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.11%
NEMA Design	B
Moment of Inertia	140 lb.ft.^2
Locked Rotor Time (Hot)	14 seconds
Sound Pressure Level	78 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 1 Division 2 Groups A,B,C,D T3(200°C)
Inverter Rating	10:1 CT / 20:1 VT PWM Type
Standard	NEMA MG-1
Approvals	CSA-US, CE

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	94.5 %	0.77
75%	94.6 %	0.72
50%	94.2 %	0.61

TORQUE		
FULL LOAD	LRT	BDT
1180 lb.ft.	190 %	250 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	515A	257A
Locked Rotor Amps	2900A	1450A
No Load Current	230A	115A
Usable at 208V	569A	

BEARING INFORMATION	
DE Bearing	NU320 C3
ODE Bearing	6320 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	2200 Hours
ODE Regreasing Interval	3000 Hours

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	4140 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	2927 lbs.

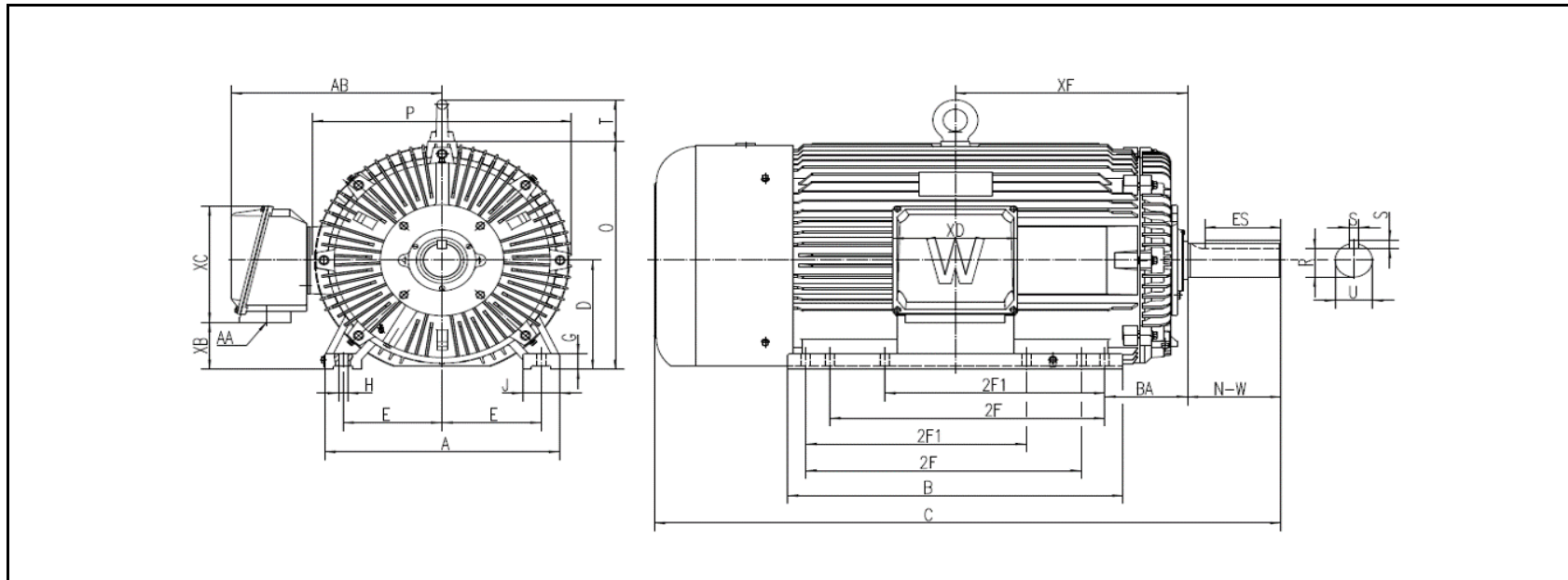
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
9	20	25	0.81	7.5	21.339	30.472	56.945	11	1.575	3.346	23.554	22.969	4.213	19.171

SHAFT & KEY				
S	ES	R	N-W	U
0.875	6.91	2.88	8.5	3.375

TERMINAL BOX				
AA	XB	XC	XD	XF
2 X 3	4.7	11.813	11.339	21.087

PERFORMANCE CURVES

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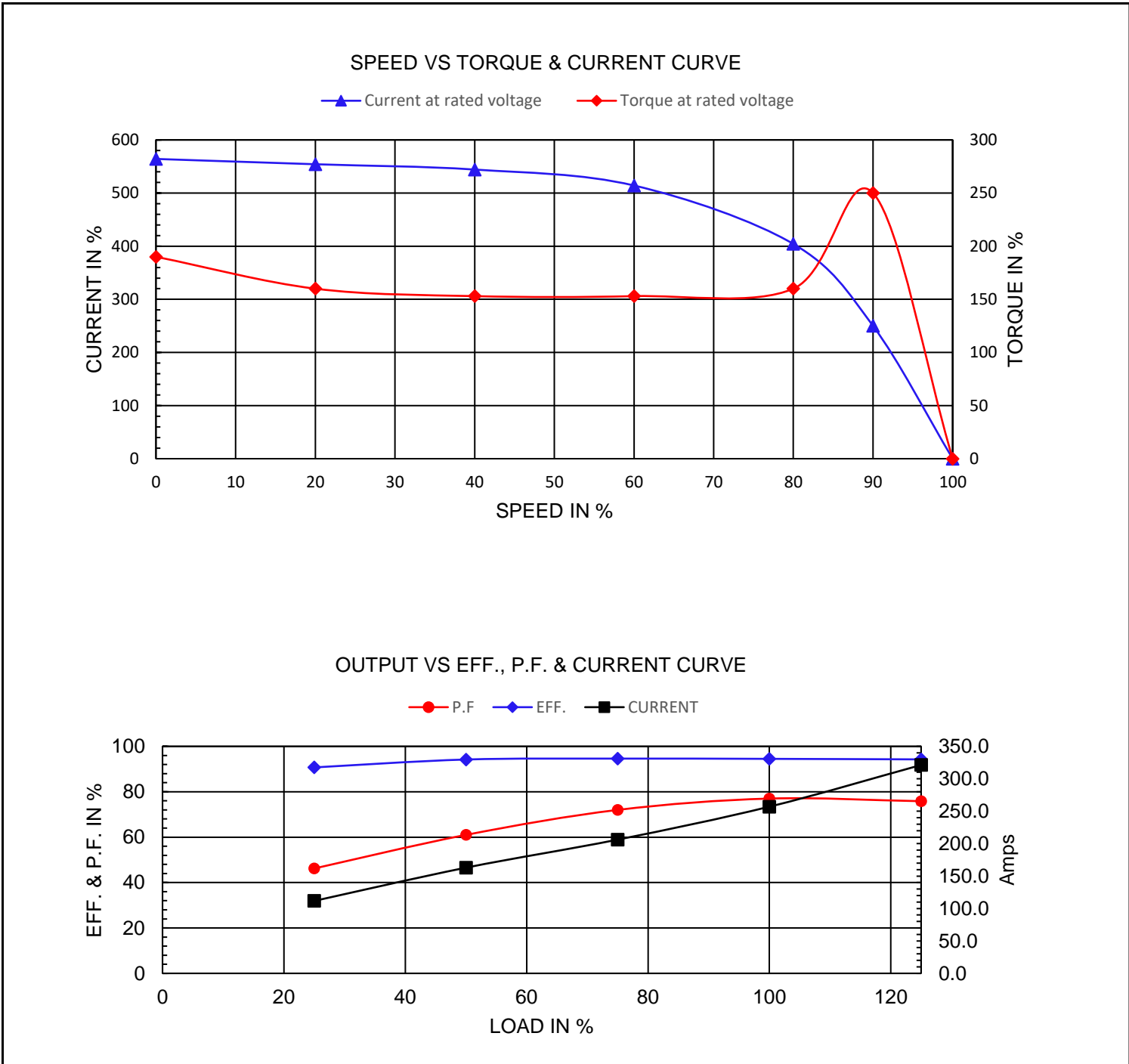
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Motor Type	PEWWE		FL Speed	890	
Output Rating (HP)	200		LRT (%FLT)	190	460 volt FLA 257 A
Full Load Torque	1180 lb.ft		BDT (%FLT)	250	230 volt FLA 515 A
Rotor Wk^2	140 lb-ft^2				



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277 	CE CC006A
Model		Ser No.					
HP		S.F.		IP		Encl	
Frame		P.F.		Code		Type	
Voltage	230/460	Hz		Ins Cl		Rating	°C Amb Cont
Amps		RPM		Design		Date	
Nom.Eff.	FL	% 3/4	% 230/460V	10:1 CT	20:1 VT	PWM	VFD 1.0SF
Class I DIV. 2 Groups A B C D			Amb.40°C	DE Brng			
Class I Zone 2 IIC			Amb.55°C	ODE Brng			
				Grease type: LGHP 2 (compatible with polyrex)			
50Hz		HP	V	A	rpm	1.0SF	
WorldWide Electric Corporation							

Model	PEWWE200-9-449T						
HP	200	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	449T	P.F.	0.77	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	515/257	RPM	890	Design	B	DE Brng NU320 C3	
Nom.Eff.	FL	94.5%	3/4	94.6%	ODE Brng 6320 C3		
Class 1 Division 2 Groups A,B,C,D					T3(200°C)	Grease type: SKF LGHP 2	
50Hz	200 HP	200/400 V	601/301	A	740 rpm		