

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 I, Division 2, Groups A, B, C, D
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

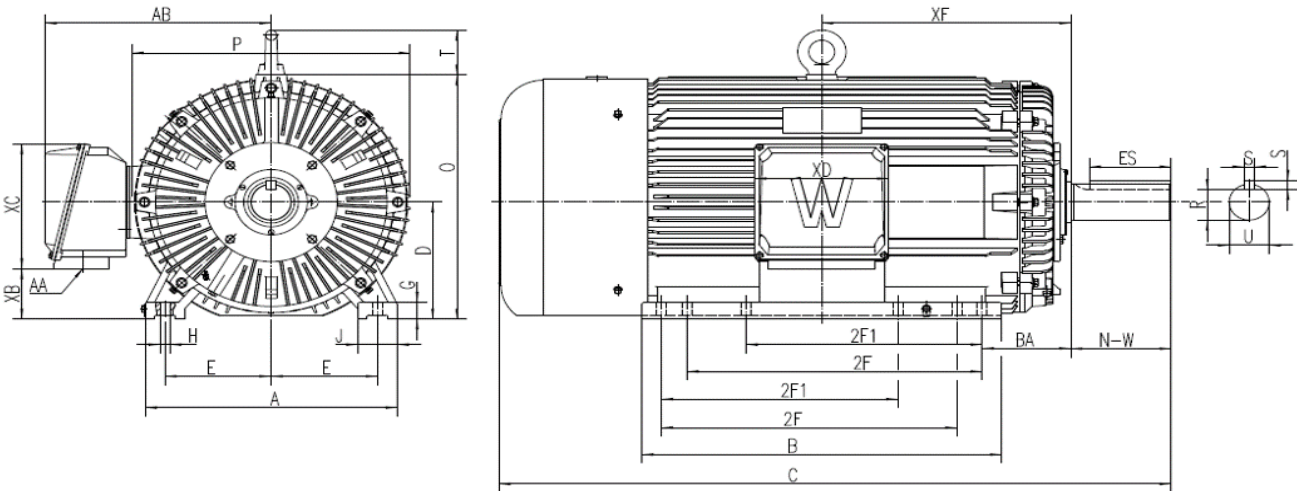
ADDITIONAL DATA

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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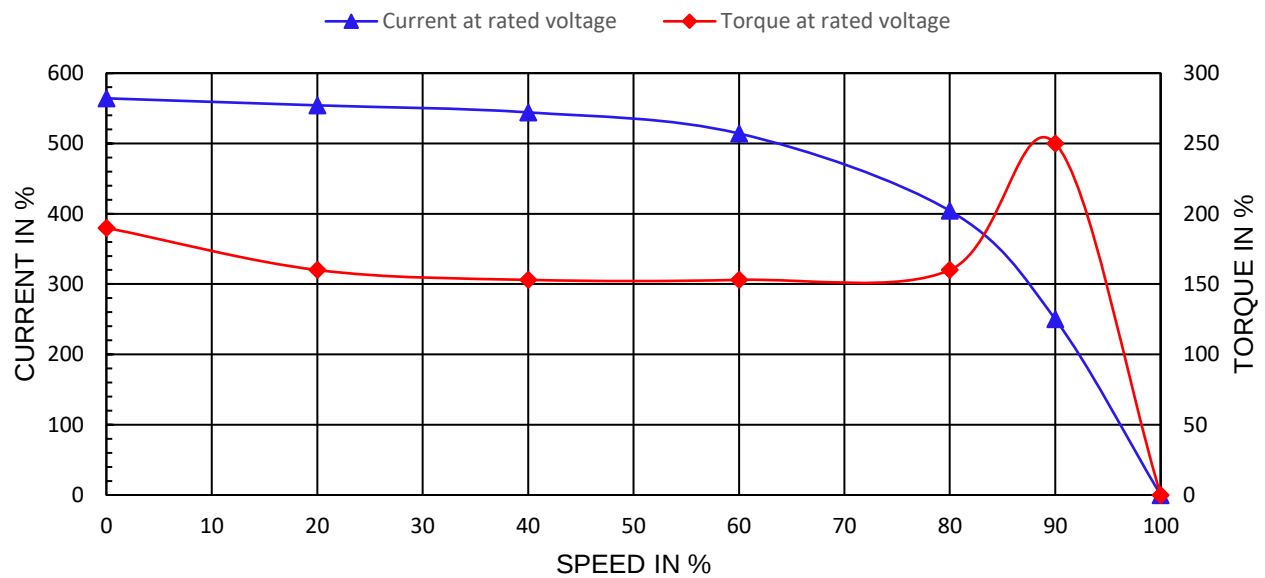
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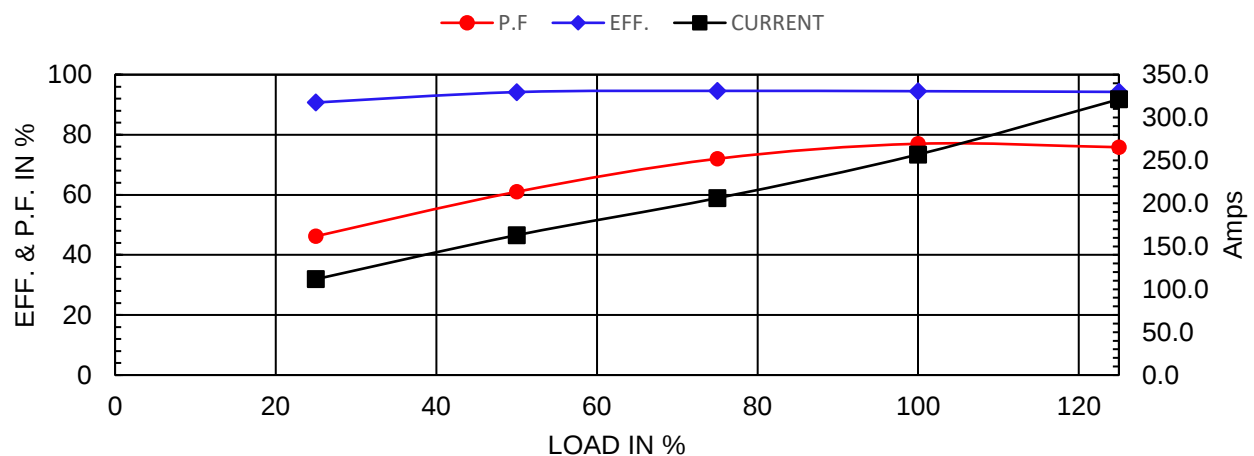
Customer:

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

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F. & CURRENT CURVE



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277 	
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 Class I Zone 2 IIC				DE Brng ODE Brng Grease type: LGHP 2 (compatible with polyrex)			
Amb.40°C Amb.55°C							
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

Grease type: SKF LGHP 2

50Hz 200 HP 200/400 V 601/301 A 740 rpm