

DATA SHEET

Premium Efficiency Motor: **PEWWE30-9-364T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	30
RPM	900
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	364T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	8
Full Load Speed	885
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.67%
NEMA Design	B
Moment of Inertia	18.8 lb.ft.^2
Locked Rotor Time (Hot)	25 seconds
Sound Pressure Level	70 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%	91.7 %	0.75
75%	91.9 %	0.71
50%	91.2 %	0.61

TORQUE

FULL LOAD	LRT	BDT
178 lb.ft.	150 %	200 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	81.7A	40.8A
Locked Rotor Amps	435A	217.5A
No Load Current	38A	19A
Usable at 208V	90.3A	

BEARING INFORMATION

DE Bearing	6313 C3
ODE Bearing	6312 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	5100 Hours
ODE Regreasing Interval	6800 Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	731 lbs.

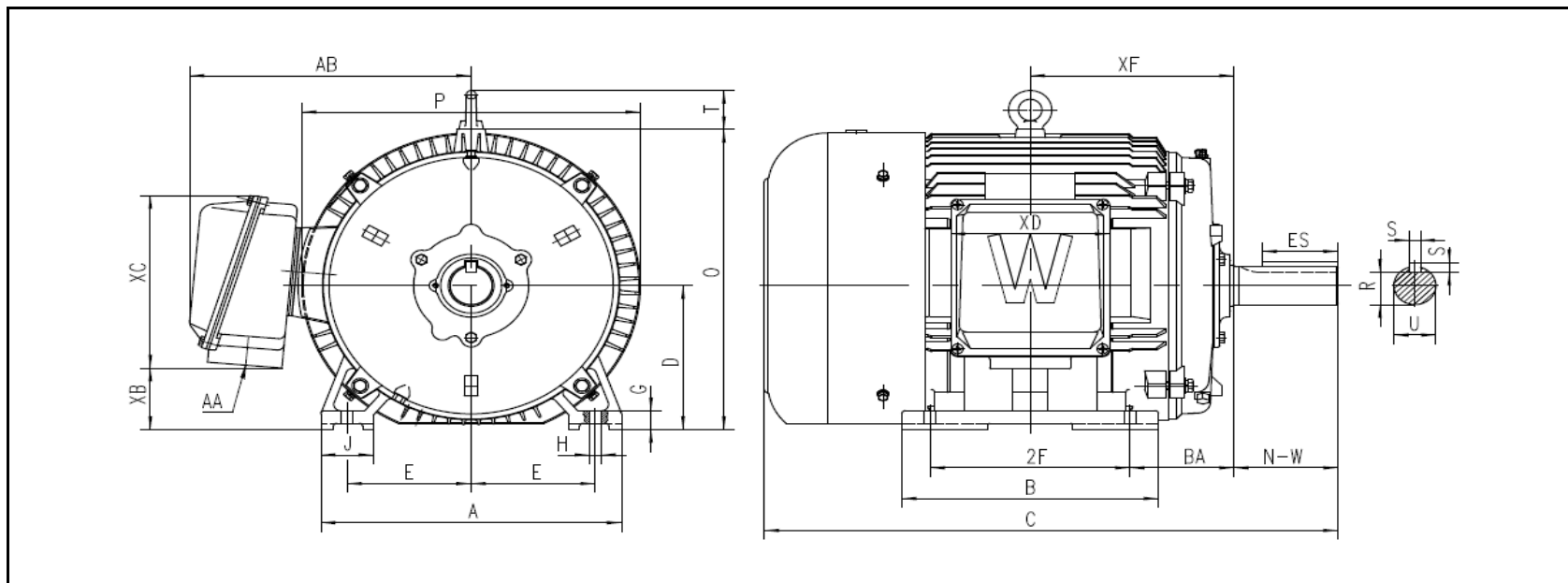
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
7	--	11.25	0.66	5.88	16.969	14.488	32.376	9	1.181	2.953	19.091	18.8	2.441	15.899

SHAFT & KEY				
S	ES	R	N-W	U
0.625	4.28	2.021	5.88	2.375

TERMINAL BOX				
AA	XB	XC	XD	XF
3	3.849	10.783	8.976	11.496

PERFORMANCE CURVES

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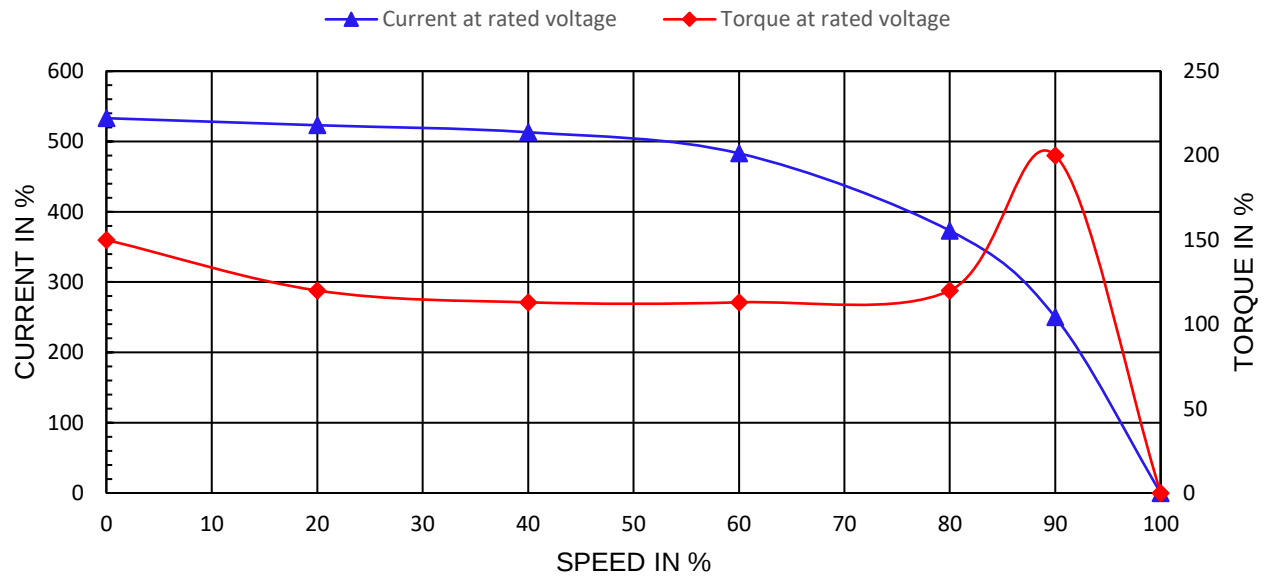
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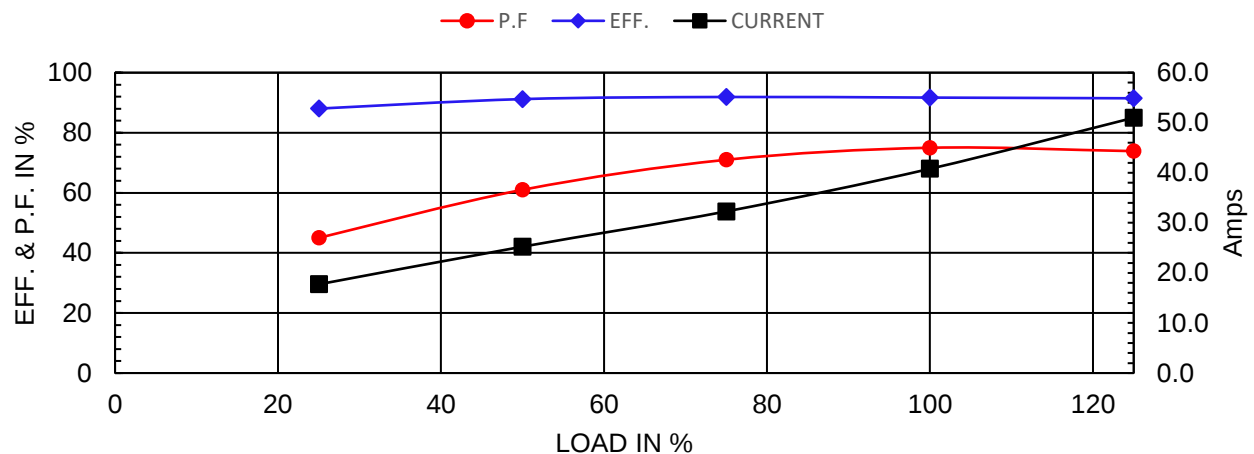
Customer:

Motor Type	PEWWE		FL Speed	885			
Output Rating (HP)	30		LRT (%FLT)	150	460 volt FLA	40.8	A
Full Load Torque	178	lb.ft	BDT (%FLT)	200	230 volt FLA	81.7	A
Rotor Wk^2	18.8	lb-ft^2					

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 	 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 % 230/460 V 10:1 CT 20:1 VT PWM VFD 1.0SF							
Class I DIV. 2 Groups A B C D Amb.40°C Class I Zone 2 II C Amb.55°C				DE Brng ODE Brng Grease type: LGHP 2 (compatible with polyrex)			
50Hz HP V A rpm 1.0SF							
WorldWide Electric Corporation							

Model	PEWWE30-9-364T						
HP	30	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	364T	P.F.	0.75	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	81.7/40.8	RPM	885	Design	B	DE Brng 6313 C3	
Nom.Eff.	FL	91.7%	3/4	91.9%	ODE Brng 6312 C3		
						Grease type: SKF LGHP 2	
50Hz 30 HP 200/400 V 96.7/48.3 A 735 rpm							