

DATA SHEET

Premium Efficiency Motor: **PEWWE75-36-365TSC**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	75
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	365TSC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3560
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.10%
NEMA Design	B
Moment of Inertia	8.6 lb.ft.^2
Locked Rotor Time (Hot)	13 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 T3A(180°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%	93.6 %	0.85
75%	93.6 %	0.83
50%	92.9 %	0.77

TORQUE

FULL LOAD	LRT	BDT
111 lb.ft.	195 %	230 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	177A	88.3A
Locked Rotor Amps	1085A	542.5A
No Load Current	50A	25A
Usable at 208V	195A	

BEARING INFORMATION

DE Bearing	6313 C3
ODE Bearing	6312 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1800 Hours
ODE Regreasing Interval	2400 Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	787 lbs.

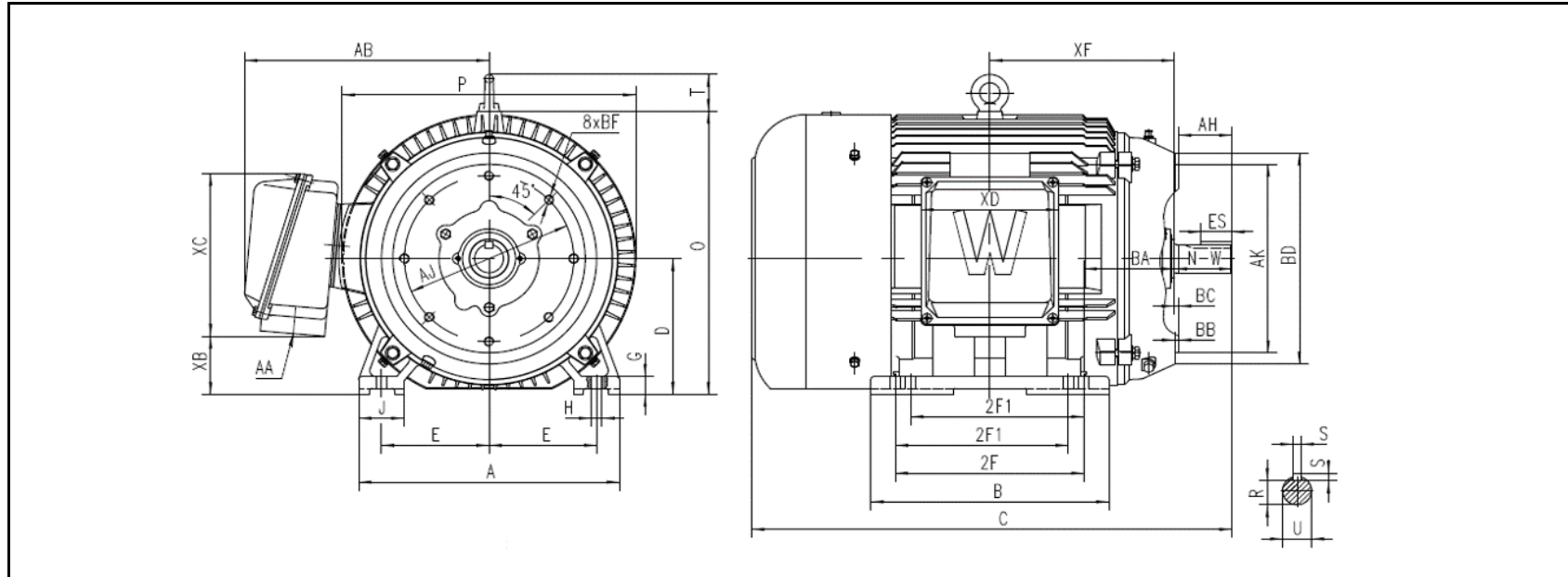
MOTOR DRAWING

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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	12.25	0.66	5.88	16.969	15.472	31.23	9	1.181	2.953	19.091	18.8	2.441	15.899

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.5	2.03	1.591	3.75	3.5	1.875

TERMINAL BOX				
AA	XB	XC	XD	XF
3	3.849	10.783	8.976	11.988

FLANGE					
AJ	AK	BB	BD	BF	BC
11	12.5	0.25	13.989	5/8-11	0.25

PERFORMANCE CURVES

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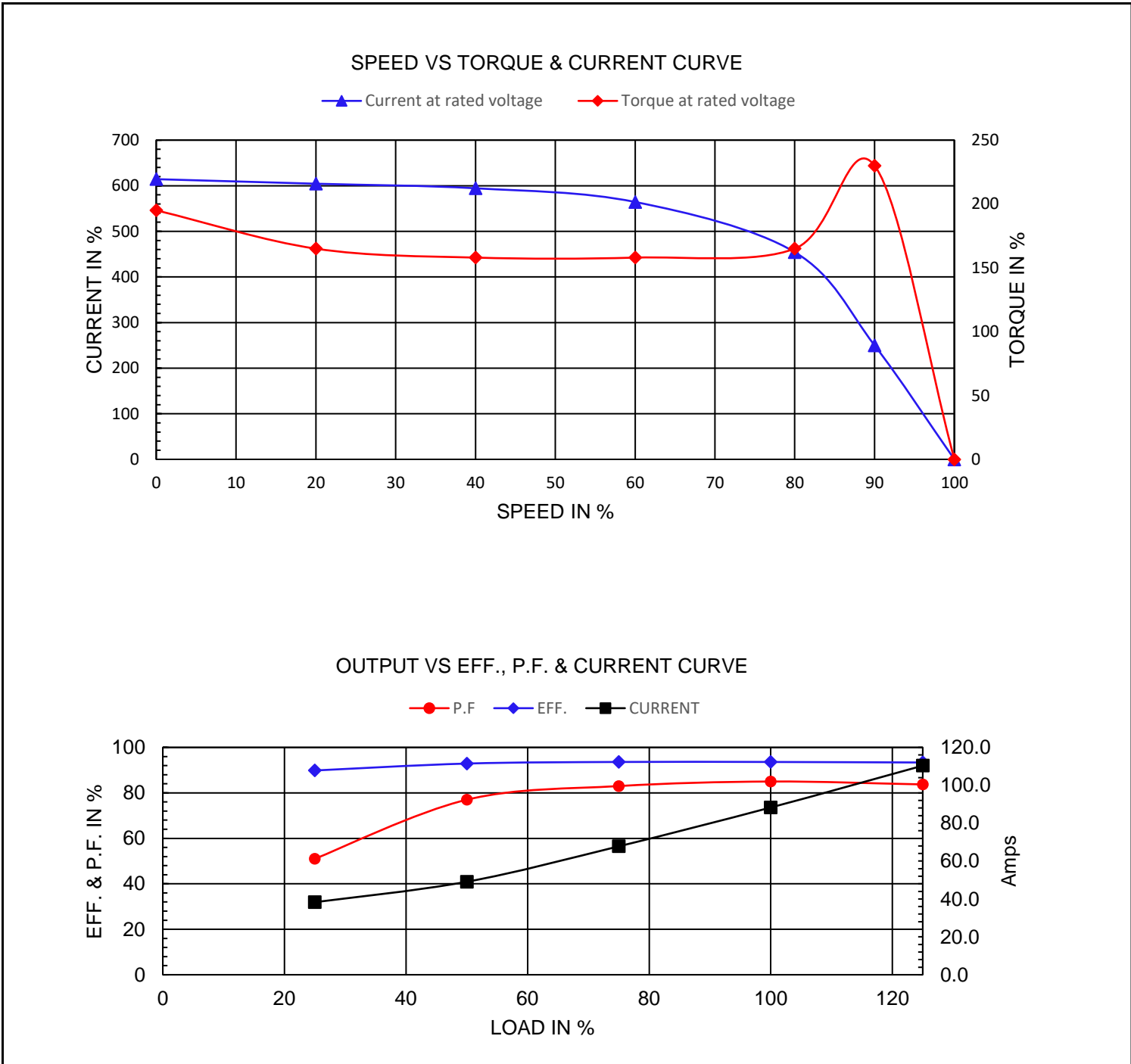
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Motor Type	PEWWE		FL Speed	3560	
Output Rating (HP)	75		LRT (%FLT)	195	460 volt FLA 88.3
Full Load Torque	111 lb.ft		BDT (%FLT)	230	230 volt FLA 177
Rotor Wk^2	8.6 lb-ft^2				



NAMEPLATE / WIRING

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WORLDWIDE
ELECTRIC CORPORATION

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SAMPLE NAMEPLATE DATA

		3-PHASE INDUCTION MOTOR		259277 		50Hz 1.0SF HP % V A rpm
Model		Ser No.		Low Voltage ⑥ ④ ⑤ ⑦ ⑧ ⑨ ⑫ ⑩ ⑪ ① ② ③ L1 L2 L3		
HP		S.F.		Rating	°C Amb Cont	
Frame		P.F.		IP	Encl	
Voltage	230/460	Hz		Code	Type	
Amps		RPM		Ins Cl	Design	
Nom.Eff.	FL	% 3/4	%	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 IIC		Amb.55°C		Date		
Grease type: LGHP 2 (compatible with polyrex)		DE Brng ODE Brng				
WorldWide Electric Corporation						High Voltage ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑫ ⑩ ⑪ ① ② ③ L1 L2 L3

Model	PEWWE75-36-365TSC						
HP	75	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	365TSC	P.F.	0.85	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	177/88.3	RPM	3560	Design	B	DE Brng	6313 C3
Nom.Eff.	FL	93.6%	3/4	93.6%		ODE Brng	6312 C3
Class 1 Division 2 Groups A,B,C,D						T3A(180°C)	Grease type: SKF LGHP 2
50Hz							
75 HP		200/400 V		204/10.5 A		2960 rpm	
Eff. 93.2%							