

DATA SHEET

Premium Efficiency Motor: **PEWWE1.5-18-145T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	1.5
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	145T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1755
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	M
Duty Cycle	S1 / Continuous
Slip	2.50%
NEMA Design	B
Moment of Inertia	0.0908 lb.ft.^2
Locked Rotor Time (Hot)	14 seconds
Sound Pressure Level	60 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 T3C(160°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%	86.5 %	0.73
75%	86.2 %	0.63
50%	83.2 %	0.49

TORQUE

FULL LOAD	LRT	BDT
4.49 lb.ft.	280 %	390 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	4.45A	2.22A
Locked Rotor Amps	40A	20A
No Load Current	2.98A	1.49A
Usable at 208V	4.92A	

BEARING INFORMATION

DE Bearing	6205ZZ C3
ODE Bearing	6205ZZ C3
Grease Type	-
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Y
Approximate Weight	52.8 lbs.

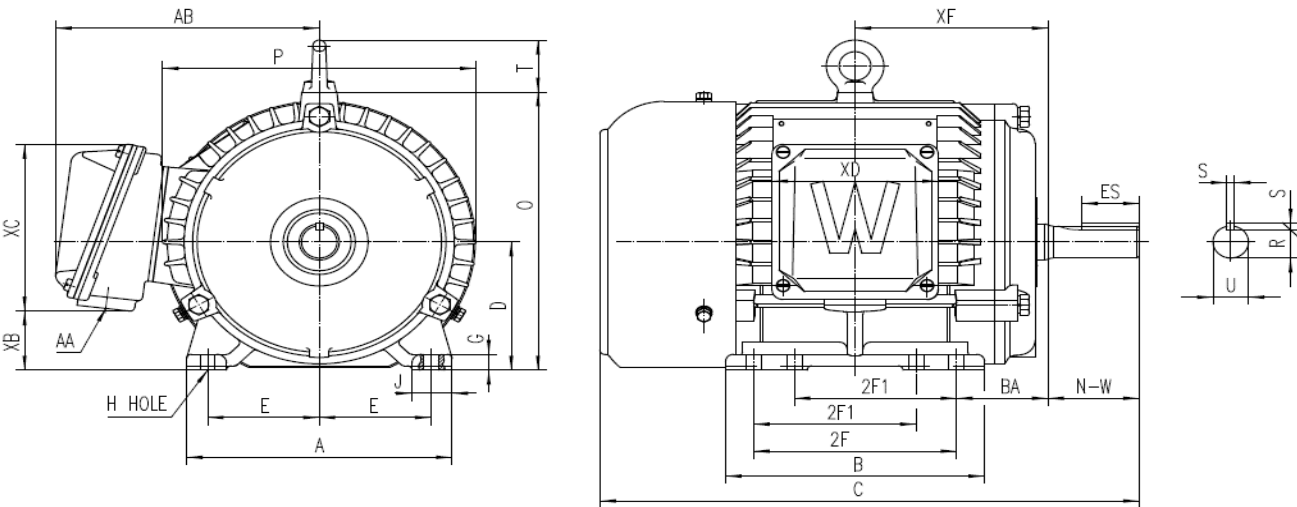
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
2.75	4	5	0.34	2.25	6.535	6.378	13.276	3.5	0.433	0.984	7.717	7.6	1.417	6.491

SHAFT & KEY				
S	ES	R	N-W	U
0.188	1.41	0.771	2.25	0.875

TERMINAL BOX				
AA	XB	XC	XD	XF
3/4	1.61	4.55	4.094	4.748

PERFORMANCE CURVES

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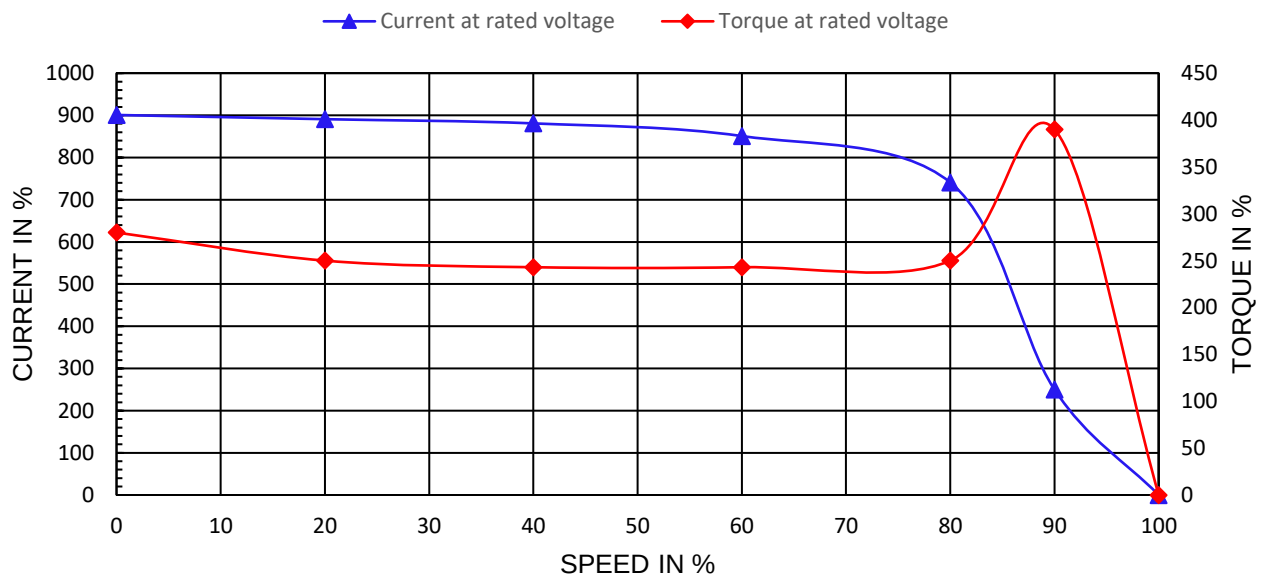
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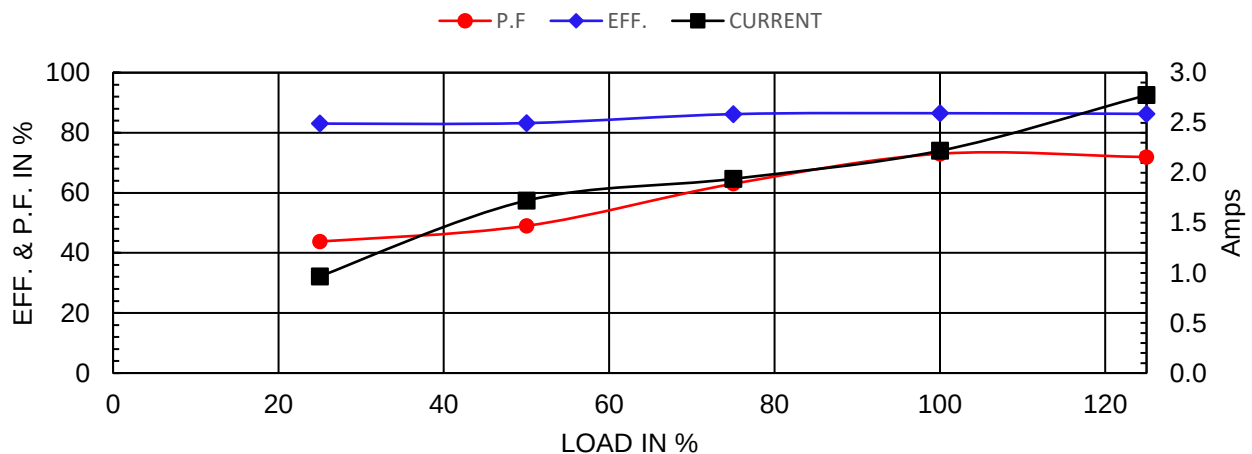
Customer:

Motor Type	PEWWE		FL Speed	1755			
Output Rating (HP)	1.5		LRT (%FLT)	280	460 volt FLA	2.22	A
Full Load Torque	4.49	lb.ft	BDT (%FLT)	390	230 volt FLA	4.45	A
Rotor Wk^2	0.0908	lb-ft^2					

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		3-PHASE INDUCTION MOTOR		259277 	
Model		Ser No.		Low Voltage 4-5-6 7-8-9 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		T3C(160°C)	
Class I Zone 2 IIC		Amb.55°C		T3A(180°C)	
Grease type:		DE Brng ODE Brng			
High Voltage 4-5-6 7-8-9 1-2-3 L1 L2 L3					
50Hz 1.0SF HP % V A rpm					
WorldWide Electric Corporation					

Model	PEWWE1.5-18-145T				
HP	1.5	S.F.	1.25	IP	IP55
Encl	TEFC				
Frame	145T	P.F.	0.73	Code	M
Type					
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F
Ambient	40°C				
Amps	4.45/2.22	RPM	1755	Design	B
DE Brng 6205ZZ C3 ODE Brng 6205ZZ C3					
Nom.Eff.	FL	86.5%	3/4	86.2%	
Class 1 Division 2 Groups A,B,C,D T3C(160°C)					Grease type: -
50Hz 1.5 HP 200/400 V 5.44/2.7 A 1450 rpm 81.4%					