

DATA SHEET

Premium Efficiency Motor: **PEWWE15-18-254T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	15
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	254T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1765
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.94%
NEMA Design	B
Moment of Inertia	1.73 lb.ft.^2
Locked Rotor Time (Hot)	20 seconds
Sound Pressure Level	67 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%	92.4 %	0.84
75%	92.7 %	0.79
50%	91.9 %	0.69

TORQUE

FULL LOAD	LRT	BDT
44.6 lb.ft.	170 %	250 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	36.2A	18.1A
Locked Rotor Amps	232A	116A
No Load Current	15A	7.5A
Usable at 208V		40A

BEARING INFORMATION

DE Bearing	6309 C3
ODE Bearing	6209 C3
Grease Type	-
DE Regreasing Interval	5000 Hours
ODE Regreasing Interval	5000 Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Δ
Approximate Weight	254 lbs.

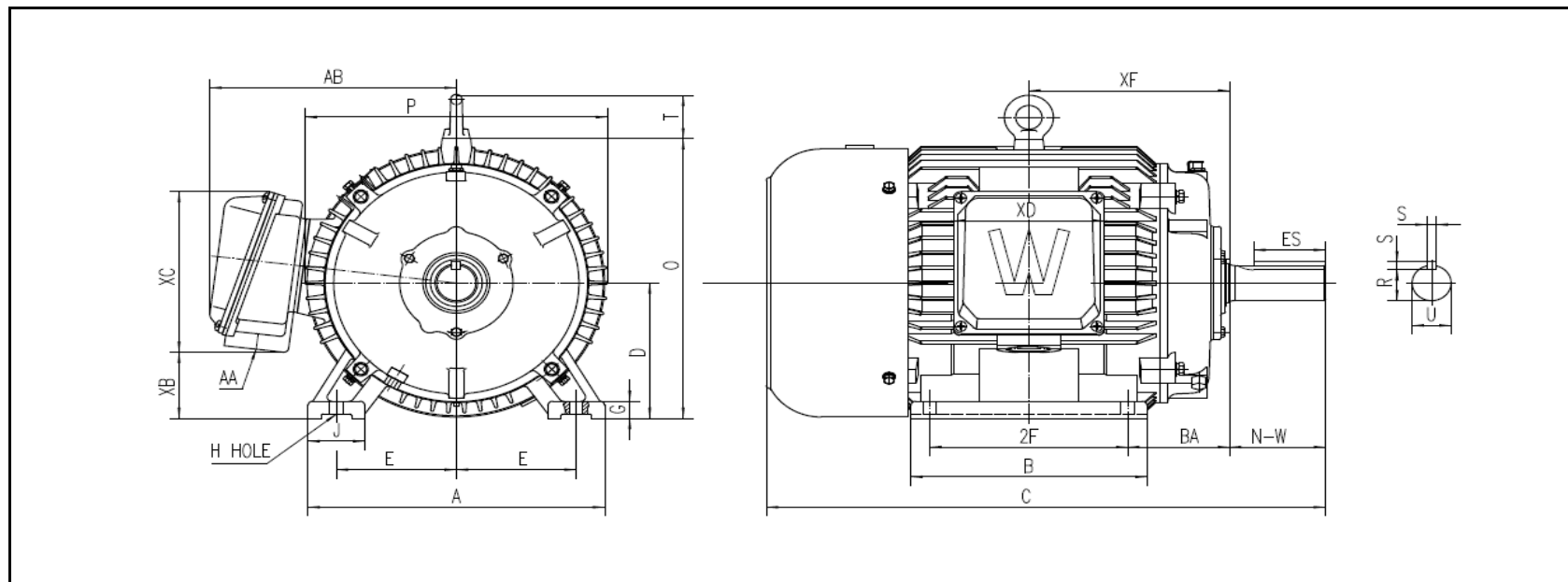
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
5	--	8.25	0.53	4.25	12.362	9.843	23.309	6.25	0.787	2.362	12.598	12.894	2.006	10.276

SHAFT & KEY				
S	ES	R	N-W	U
0.375	2.91	1.416	4	1.625

TERMINAL BOX				
AA	XB	XC	XD	XF
1.5	3.047	7.406	6.299	8.364

PERFORMANCE CURVES

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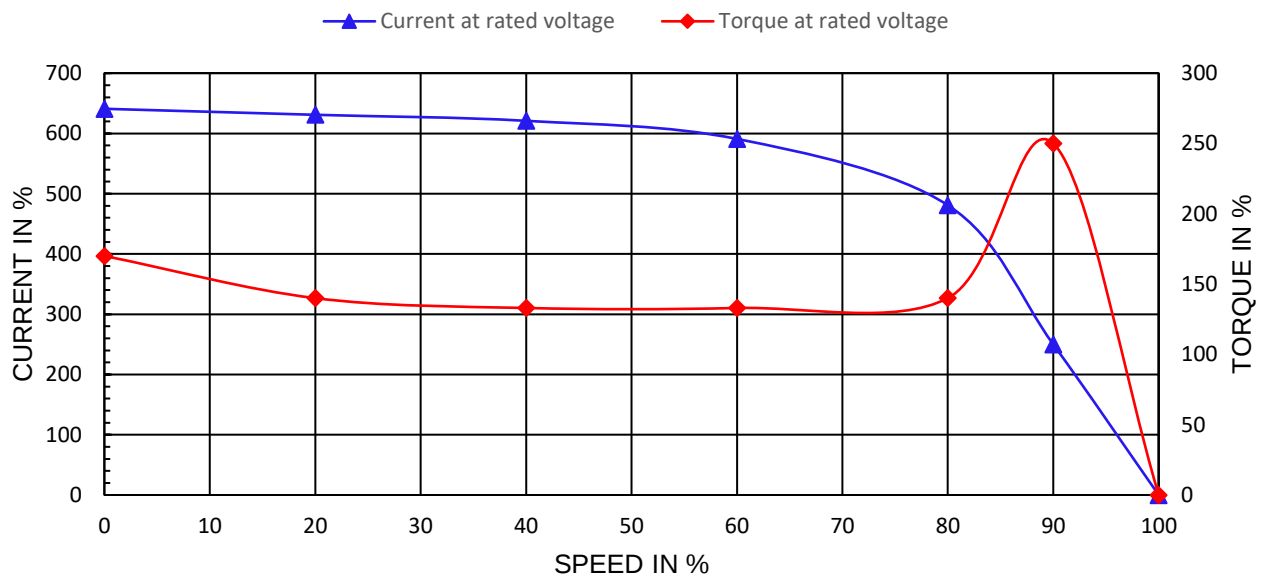
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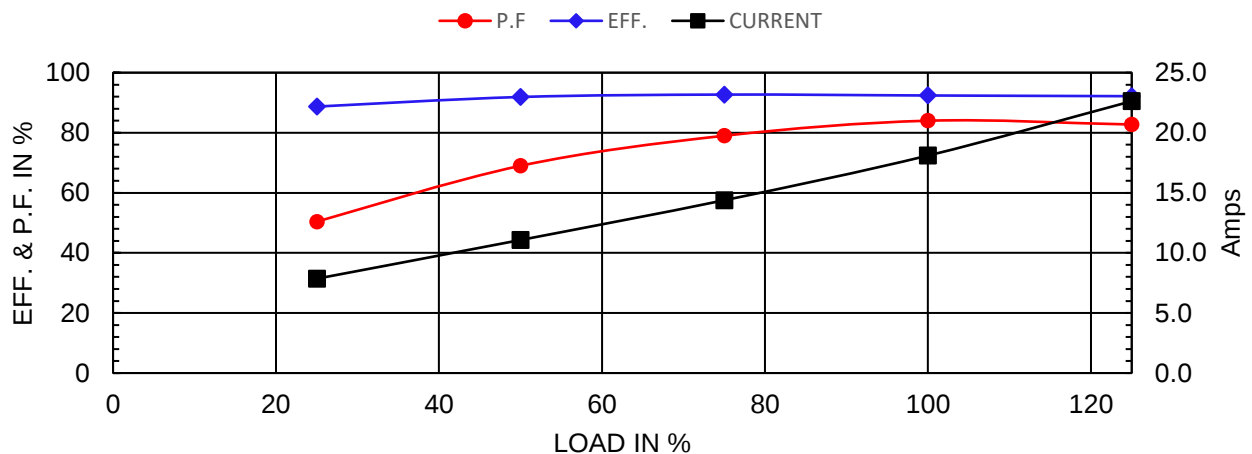
Customer:

Motor Type	PEWWE							
Output Rating (HP)	15		FL Speed	1765				
Full Load Torque	44.6	lb.ft	LRT (%FLT)	170	460 volt FLA	18.1	A	
Rotor Wk^2	1.73	lb-ft^2	BDT (%FLT)	250	230 volt FLA	36.2	A	

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor:

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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	T3C(160°C)	DE Brng			
Class I Zone 2 IIC				Amb.55°C	T3A(180°C)	ODE Brng			
						Grease type:			
50Hz	HP	V	A	rpm	S.F1.0				

Model **PEWWE15-18-254T**

HP **15** S.F. **1.25** IP **IP55** Encl **TEFC**

Frame **254T** P.F. **0.84** Code **G** Type

Voltage **230/460 V** Hz **60 Hz** Ins Cl **F** Ambient **40°C**

Amps **36.2/18.1** RPM **1765** Design **B** DE Brng **6309 C3**

Nom.Eff. **FL 92.4% 3/4 92.7%** ODE Brng **6209 C3**

Grease type: **-**

50Hz 15 HP 200/400 V 42.8/21.4 A 1460 rpm