

DATA SHEET

Premium Efficiency Motor: **PEWWE150-18-445TBB**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	150
RPM	1800
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	445T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1790
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.55%
NEMA Design	B
Moment of Inertia	45.9 lb.ft.^2
Locked Rotor Time (Hot)	19 seconds
Sound Pressure Level	77 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%	95.8 %	0.84
75%	96.1 %	0.81
50%	95.9 %	0.73

TORQUE

FULL LOAD	LRT	BDT
440 lb.ft.	160 %	240 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	349A	175A
Locked Rotor Amps	2170A	1085A
No Load Current	116A	58A
Usable at 208V	386A	

BEARING INFORMATION

DE Bearing	6318 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1500 Hours
ODE Regreasing Interval	3000 Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	1570 lbs.

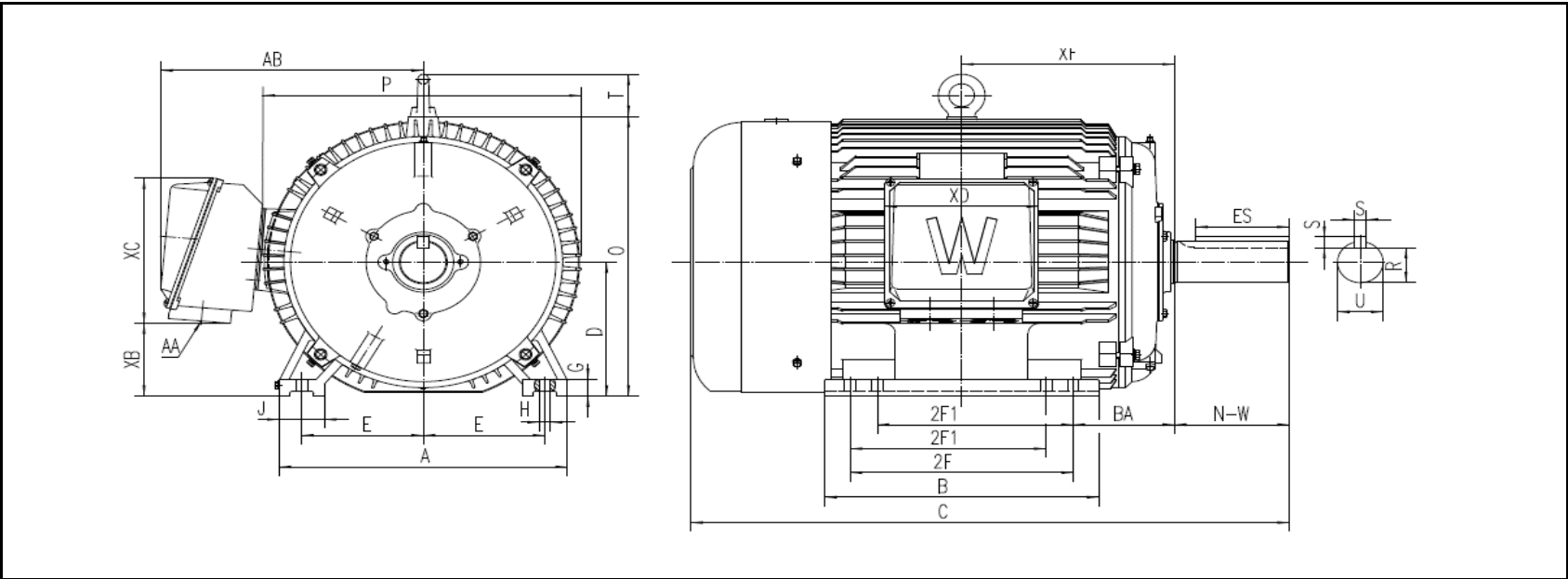
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
9	14.5	16.5	0.81	7.5	21.339	20.276	44.309	11	1.378	3.346	23.574	22.969	3.465	19.436

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	5.97	11.905	11.339	15.748

PERFORMANCE CURVES

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PEWWE150-18-445TBB

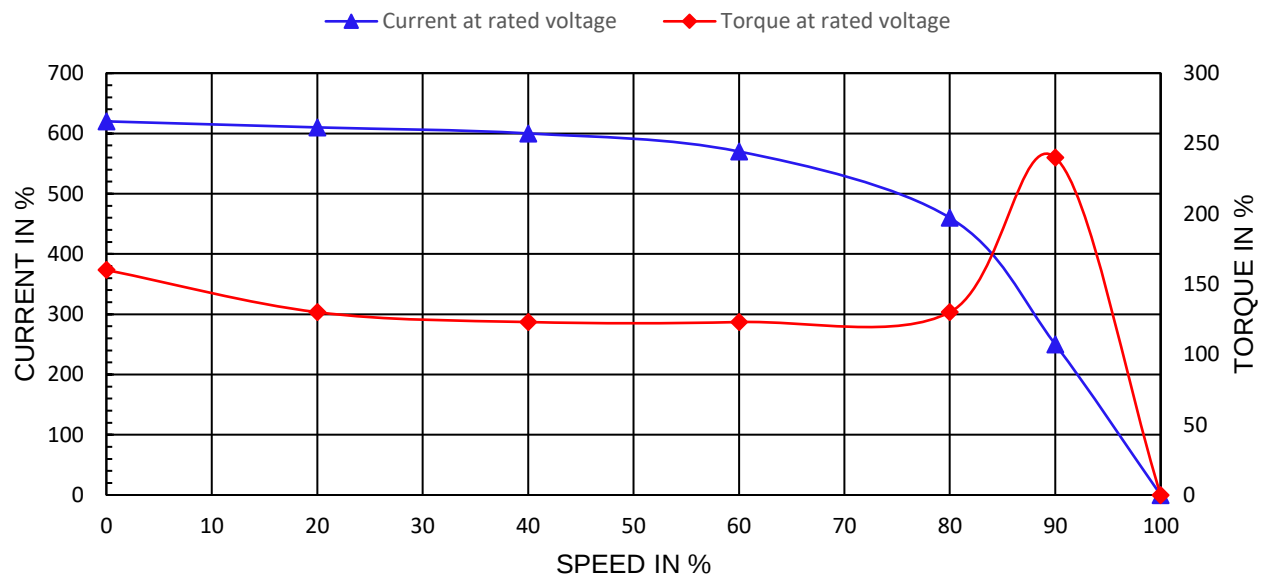
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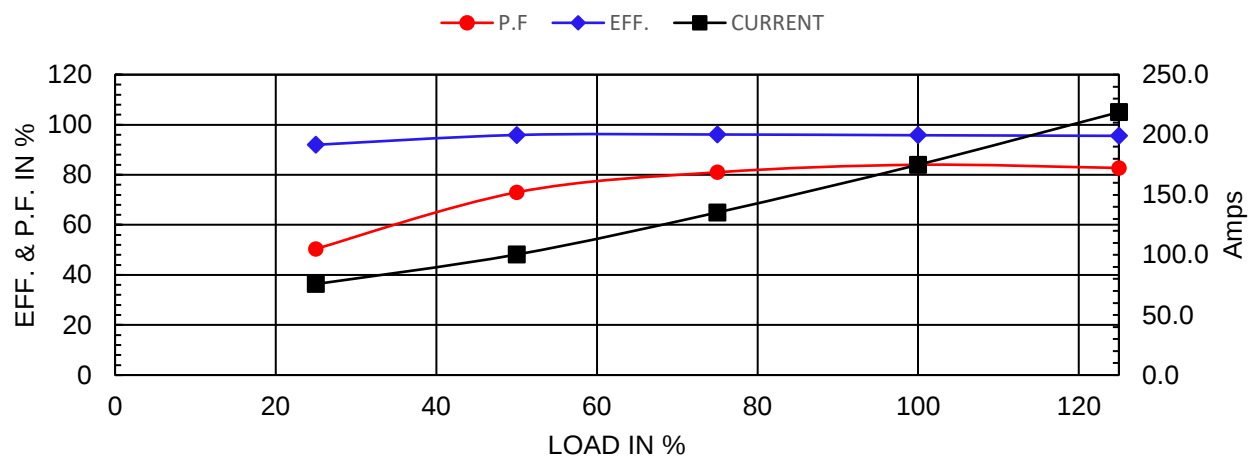
Customer:

Motor Type	PEWWE		FL Speed	1790		
Output Rating (HP)	150		LRT (%FLT)	160	460 volt FLA	175 A
Full Load Torque	440 lb.ft		BDT (%FLT)	240	230 volt FLA	349 A
Rotor Wk^2	45.9 lb-ft^2					

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor:

PEWWE150-18-445TBB

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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
				DE Brng			
Class I DIV. 2 Groups A B C D				Amb.40°C			
Class I Zone 2 IIC				Amb.55°C			
				Grease type: LGHP 2 (compatible with polyrex)			
50Hz HP V A rpm 1.0SF							
WorldWide Electric Corporation							

Model **PEWWE150-18-445TBB**

HP **150** S.F. **1.25** IP **IP55** Encl **TEFC**

Frame **445T** P.F. **0.84** Code **G** Type

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

Amps **349/175** RPM **1790** Design **B** DE Brng **6318 C3**

Nom.Eff. **FL 95.8% 3/4 96.1%** ODE Brng **6313 C3**

Grease type: **SKF LGHP 2**

50Hz 150 HP 200/400 V 407/203 A 1490 rpm