

DATA SHEET

Premium Efficiency Motor: **PEWWE5-18-184T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 8-Oct-2024

Document ID:

Customer:

MOTOR INFORMATION

HP	5
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	184T
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	J
Duty Cycle	S1 / Continuous
Slip	2.50%
NEMA Design	B
Moment of Inertia	0.313 lb.ft. ²
Locked Rotor Time (Hot)	16 seconds
Sound Pressure Level	63 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%	89.5 %	0.83
75%	90.0 %	0.77
50%	89.2 %	0.66

TORQUE

FULL LOAD	LRT	BDT
15 lb.ft.	200 %	280 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	12.6A	6.3A
Locked Rotor Amps	92A	46A
No Load Current	5.7A	2.85A
Usable at 208V	13.9A	

BEARING INFORMATION

DE Bearing	6206ZZ C3
ODE Bearing	6206ZZ C3
Grease Type	-
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Y
Approximate Weight	102 lbs.

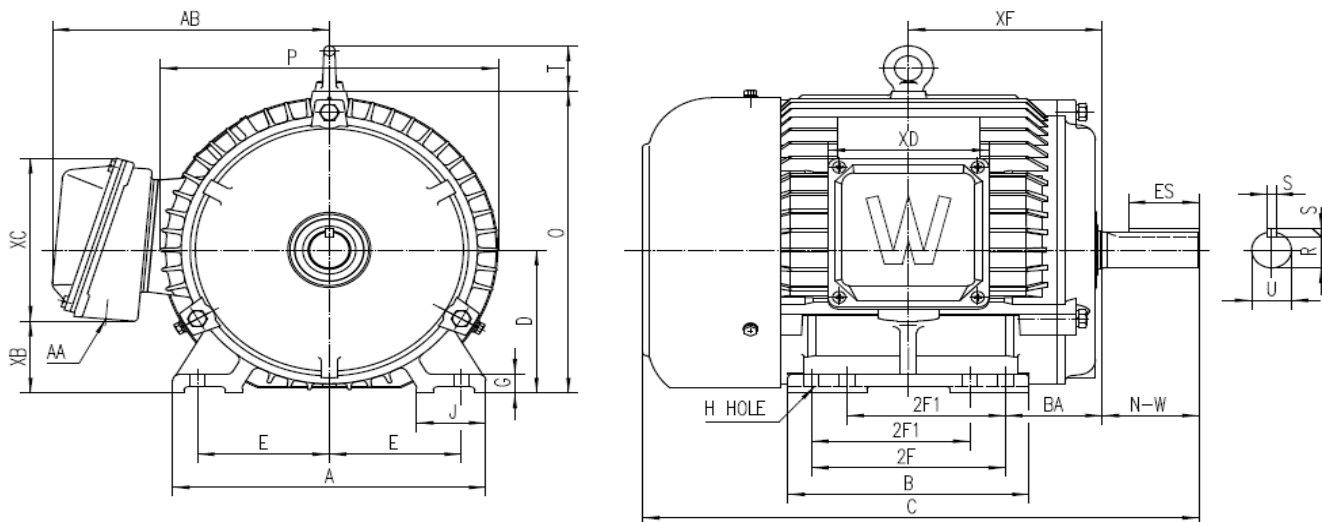
MOTOR DRAWING

Premium Efficiency Motor: **PEWWE5-18-184T**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
3.75	4.5	5.5	0.41	2.75	8.898	6.852	15.827	4.5	0.591	1.969	9.606	9.5	1.417	7.876

SHAFT & KEY				
S	ES	R	N-W	U
0.25	1.78	0.986	2.75	1.125

TERMINAL BOX				
AA	XB	XC	XD	XF
1	2.26	5.124	4.567	5.509

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor:

PEWWE5-18-184T

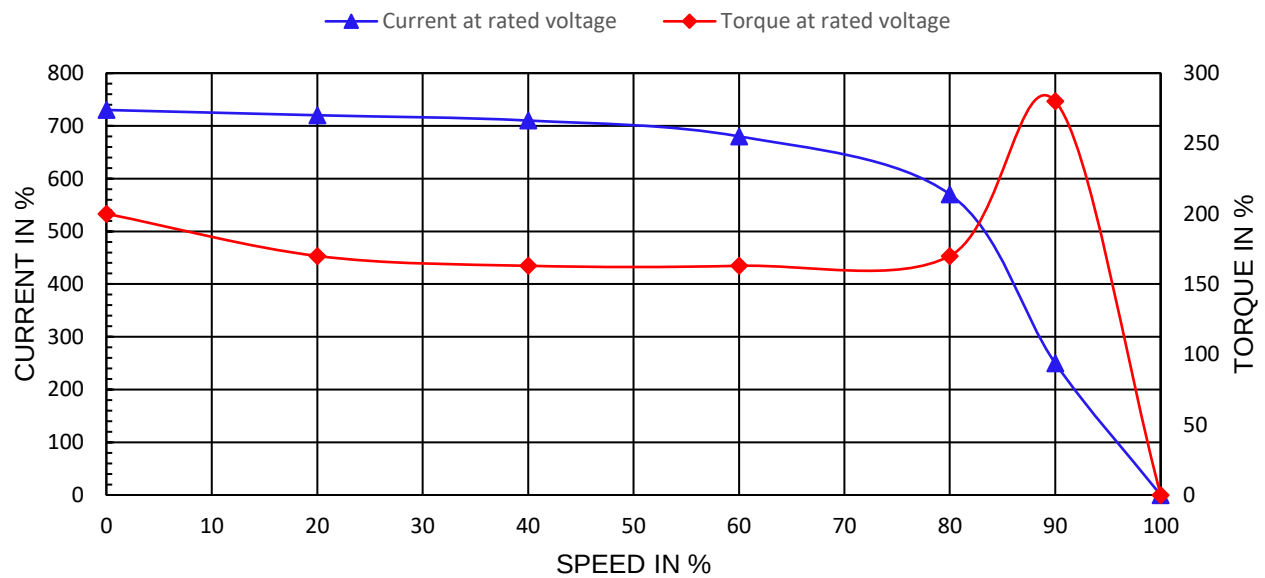
Document Generated: 8-Oct-2024

Document ID:

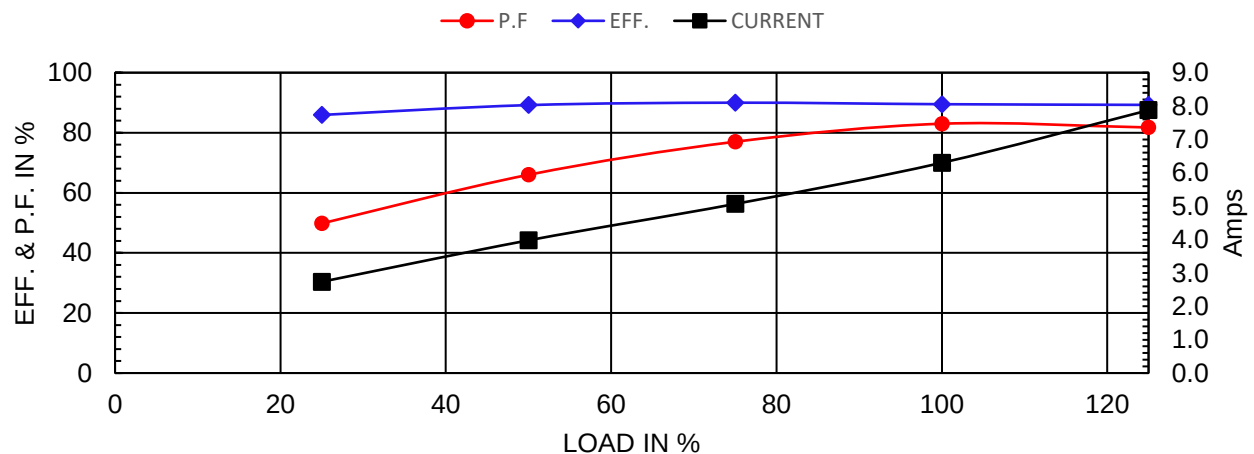
Customer:

Motor Type	PEWWE		FL Speed	1755	
Output Rating (HP)	5		LRT (%FLT)	200	460 volt FLA 6.3 A
Full Load Torque	15	lb.ft	BDT (%FLT)	280	230 volt FLA 12.6 A
Rotor Wk^2	0.313	lb-ft^2			

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor:

PEWWE5-18-184T

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 8-Oct-2024

Document ID:

Customer:

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 PEWWE5-18-184T

HP 5 S.F. 1.25 IP IP55 Encl TEFC

Frame 184T P.F. 0.83 Code J Type

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

Amps 12.6/6.3 RPM 1755 Design B DE Brng 6206ZZ C3

Nom.Eff. FL 89.5% 3/4 90.0% ODE Brng 6206ZZ C3

Class 1 Division 2 Groups A,B,C,D T3C(160°C) Grease type: -

50Hz				
5 HP	200/400 V	15/7.49 A	1450 rpm	86.6%