

DATA SHEET

Premium Efficiency Motor: **PEWWE50-18-575-326T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 15-Feb-2023
Document ID:

Customer:

MOTOR INFORMATION	
HP	50
RPM	1800
Phase	3
Frequency	60Hz
Voltage	575 V
Frame Size	326T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1775
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.40%
NEMA Design	B
Moment of Inertia	6.89 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	72 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%	94.5 %	0.86
75%	94.9 %	0.82
50%	94.7 %	0.73

TORQUE		
FULL LOAD	LRT	BDT
148 lb.ft.	160 %	260 %

AMPERAGE INFORMATION		
	575V	
Full Load Amps	46.1A	
Locked Rotor Amps	290A	
No Load Current	17.9A	

BEARING INFORMATION	
DE Bearing	6312 C3
ODE Bearing	6311 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	4000 Hours
ODE Regreasing Interval	4000 Hours

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	575V - 6 Lead Δ
Approximate Weight	578 lbs.

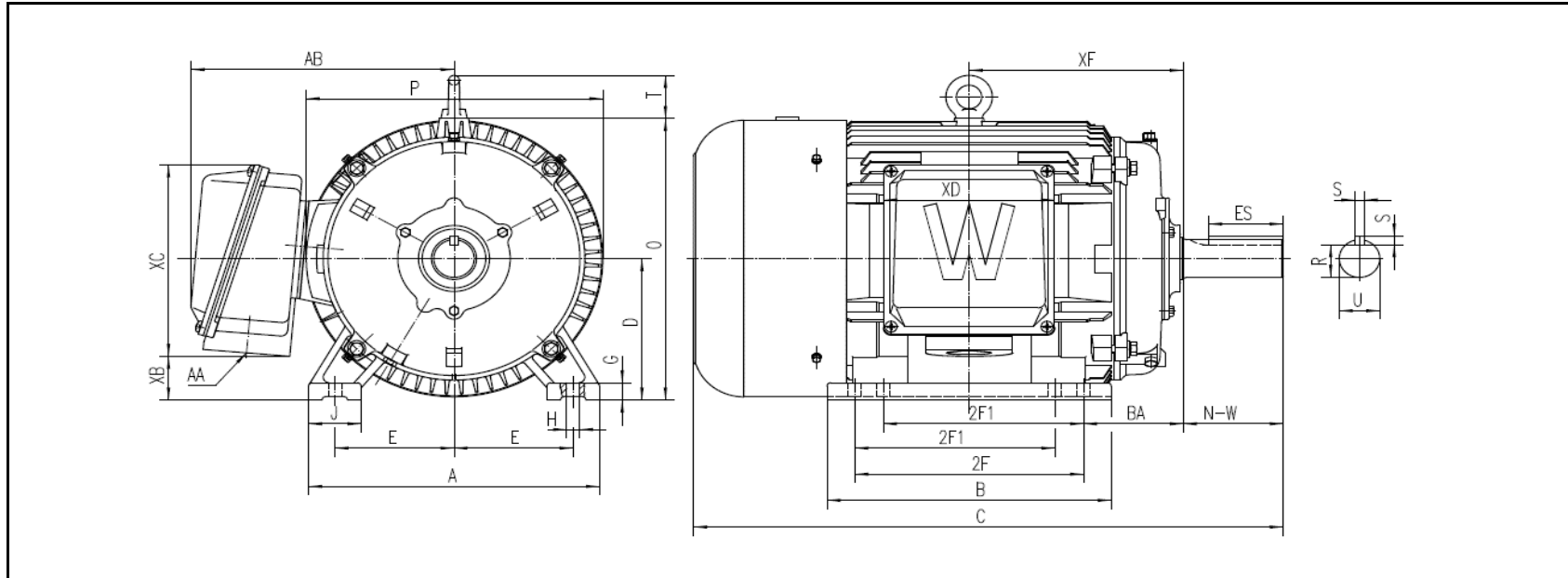
MOTOR DRAWING

Premium Efficiency Motor: **PEWWE50-18-575-326T**

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										
6.25	10.5	12	0.66	5.25	15.276	14.921	30.967	8	0.984	2.756	15.571	15.913	2.441	13.813

SHAFT & KEY				
S	ES	R	N-W	U
0.5	3.91	1.845	5.25	2.125

TERMINAL BOX				
AA	XB	XC	XD	XF
2	2.471	10.826	8.976	11.248

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



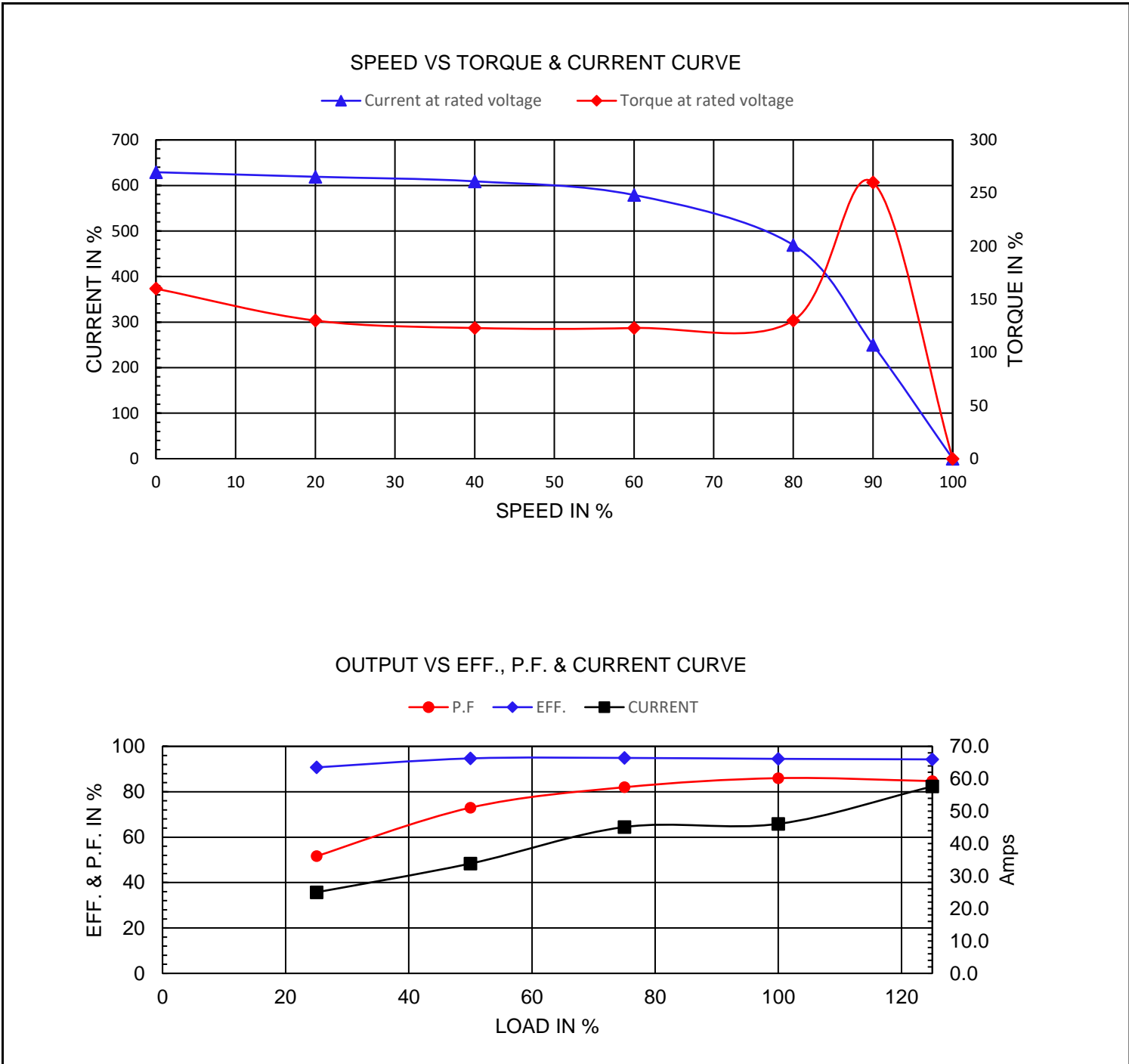
Premium Efficiency Motor:

PEWWE50-18-575-326T

Document Generated: 15-Feb-2023
 Document ID:

Customer:

Motor Type	PEWWE		FL Speed	1775
Output Rating (HP)	50		LRT (%FLT)	160
Full Load Torque	150	lb.ft	BDT (%FLT)	260
Rotor Wk ²	1.4	lb-ft ²	575 Volt FLA	46.1A



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **PEWWE50-18-575-326T**

Document Generated: 15-Feb-2023
Document ID:

Customer:

SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277	CE	
							CC006A	
Model				Ser No.				Connection
HP		S.F.		IP		Encl		
Frame		P.F.		Code		Type		
Voltage		Hz		Ins Cl		Rating	°C Amb Cont	
Amps		RPM		Design		Date		
Nom. Eff.	FL	% 3/4	%	V	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: LGHP 2 (compatible with polyrex)				
	50Hz	HP	V	A	rpm	S.F.1.0		
WorldWide Electric Corporation								

Model	PEWWE50-18-575-326T				
HP	50	S.F.	1.25	IP	IP55
Frame	326T	P.F.	0.86	Code	G
Voltage	575 V	Hz	60Hz	Ins Cl	F
Amps	46.1A	RPM	1775	Design	B
Nom. Eff.	FL	94.5%	3/4	94.9%	
Encl	TEFC				
Amb.	40°C				
DE Brng	6312 C3				
ODE Brng	6311 C3				

50Hz 50 HP 500 V 54 A 1475 RPM