

# DATA SHEET

Premium Efficiency Motor: **PEWWE3-18-575-182TC**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 15-Feb-2023

Document ID:

Customer:

## MOTOR INFORMATION

HP	3
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	575 V
Frame Size	182TC
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	K
Duty Cycle	S1 / Continuous
Slip	2.50%
NEMA Design	B
Moment of Inertia	0.217 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	63 dB(A)
Number of Starts	2 Hot/1 Cold
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%	89.5 %	0.77
75%	89.7 %	0.69
50%	88.0 %	0.56

## TORQUE

FULL LOAD	LRT	BDT
9 lb.ft.	220 %	320 %

## AMPERAGE INFORMATION

	575V	
Full Load Amps	3.26A	
Locked Rotor Amps	25.6A	
No Load Current	1.95A	

## BEARING INFORMATION

DE Bearing	6206ZZ C3
ODE Bearing	6206ZZ C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

## ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	575V - 3 Lead Y
Approximate Weight	83.5 lbs.

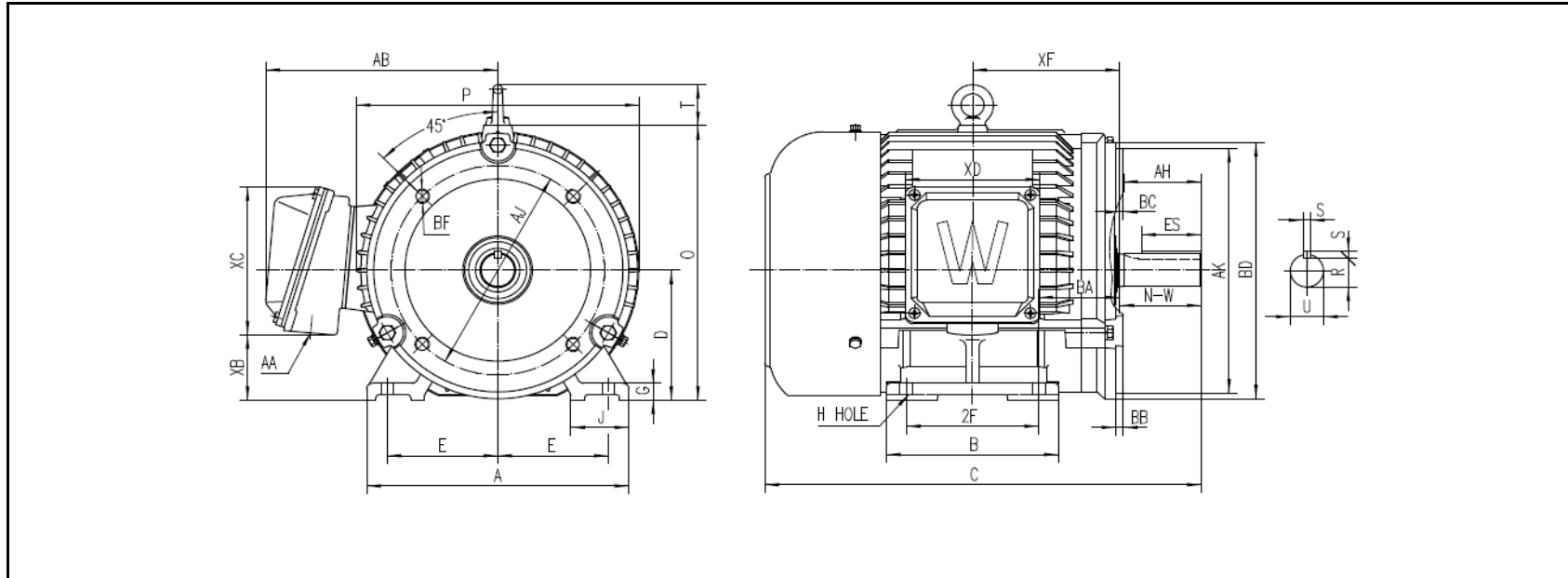
# MOTOR DRAWING

Premium Efficiency Motor: **PEWWE3-18-575-182TC**

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	0.41	2.75	8.898	5.827	14.803	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	4.997

FLANGE				
AJ	AK	BB	BD	BF
7.25	8.5	0.25	8.86	1/2-13

# PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



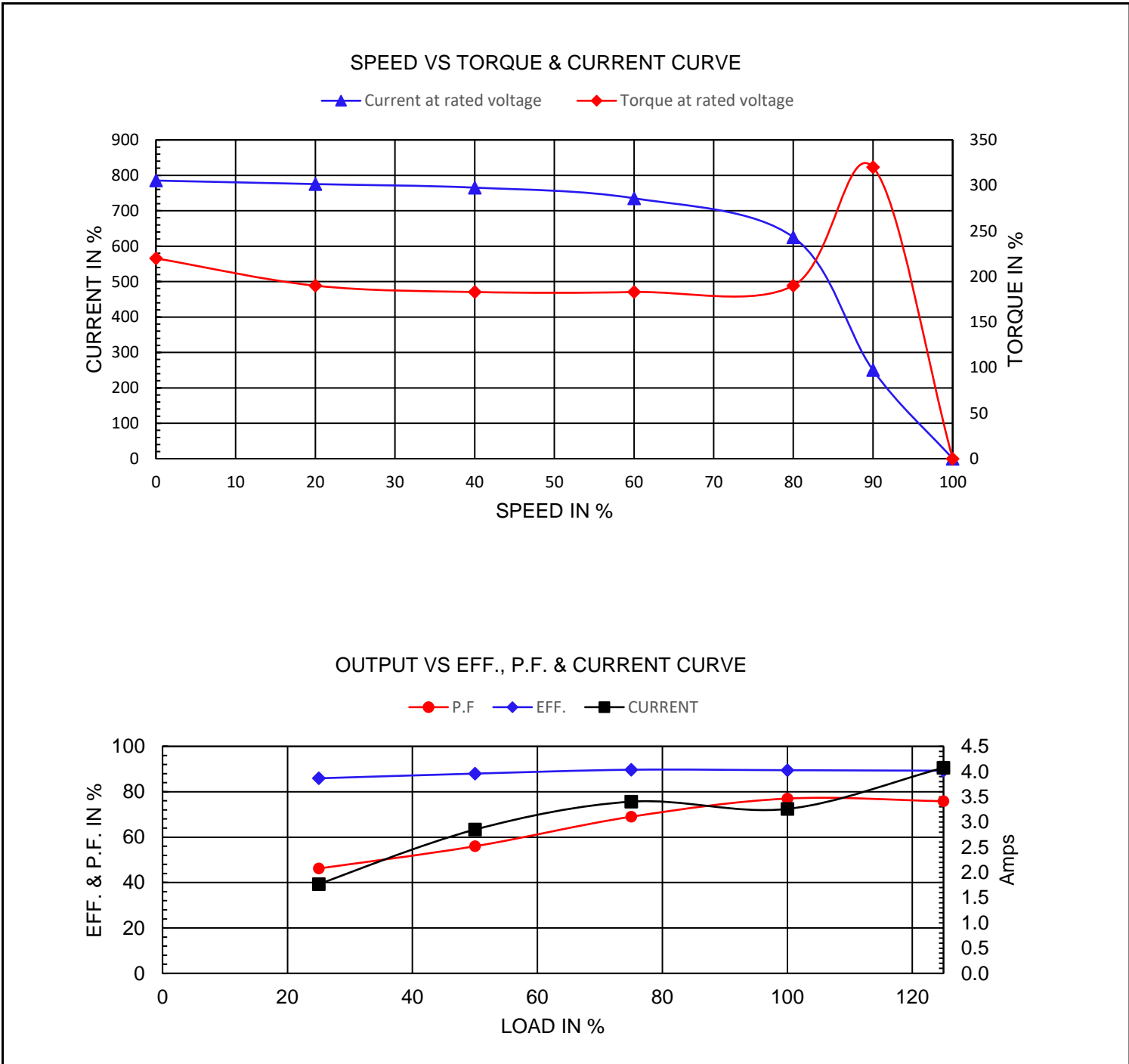
Premium Efficiency Motor:

**PEWWE3-18-575-182TC**

Document Generated: 15-Feb-2023  
Document ID:

Customer:

Motor Type	PEWWE			FL Speed	1755		
Output Rating (HP)	3			LRT (%FLT)	220		
Full Load Torque	220	lb.ft		BDT (%FLT)	320	575 Volt FLA	3.26A
Rotor Wk <sup>2</sup>	2.5	lb-ft <sup>2</sup>					



# NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **PEWWE3-18-575-182TC**

Document Generated: 15-Feb-2023	Customer:
Document ID:	

## SAMPLE NAMEPLATE DATA

	<b>NEMA Premium</b>	<b>3-PHASE INDUCTION MOTOR</b>	259277 	 CC006A			
Model	Ser No.						
HP	S.F.	IP	Encl	<b>Connection</b> 			
Frame	P.F.	Code	Type				
Voltage	Hz	Ins Cl	Rating <span style="border: 1px solid black; padding: 2px;">°C Amb Cont</span>				
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 II C		Amb.55°C	T3A(180°C)	ODE Brng			
				Grease type:			
	50Hz	HP	V	A	rpm	S.F1.0	
<b>WorldWide Electric Corporation</b>							

<b>Model</b>	PEWWE3-18-575-182TC						
<b>HP</b>	3	<b>S.F.</b>	1.25	<b>IP</b>	IP55	<b>Encl</b>	TEFC
<b>Frame</b>	182TC	<b>P.F.</b>	0.77	<b>Code</b>	K	<b>Amb.</b>	40°C
<b>Voltage</b>	575 V	<b>Hz</b>	60 Hz	<b>Ins Cl</b>	F	<b>DE Brng</b>	6206ZZ C3
<b>Amps</b>	3.26A	<b>RPM</b>	1755	<b>Design</b>	B	<b>ODE Brng</b>	6206ZZ C3
<b>Nom. Eff.</b>	FL	89.5%	3/4	89.7%			

50Hz	3 HP	500 V	3.98 A	1450 RPM
------	------	-------	--------	----------