DATA SHEET

Premium Efficiency Motor: **PEWWE75-12-405T** **60 Hz**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated: 9-Oct-2024
Document ID:

Customer:

MOTOR INFORMATION

HP	75
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	405T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	6
Full Load Speed	1190
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.83%
NEMA Design	B
Moment of Inertia	36 lb.ft.^2
Locked Rotor Time (Hot)	23 seconds
Sound Pressure Level	73 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 T3A(180°C)
Inverter Rating	10:1 CT / 20:1 VT PWM Type
Standard	NEMA MG-1
Approvals	CSA-US, CE

ADDITIONAL DATA

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

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	94.5 %	0.84
75%	94.8 %	0.81
50%	94.5 %	0.72

TORQUE

FULL LOAD	LRT	BDT
331 lb.ft.	170 %	240 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	177A	88.5A
Locked Rotor Amps	1085A	542.5A
No Load Current	61A	30.5A
Usable at 208V	196A	

BEARING INFORMATION

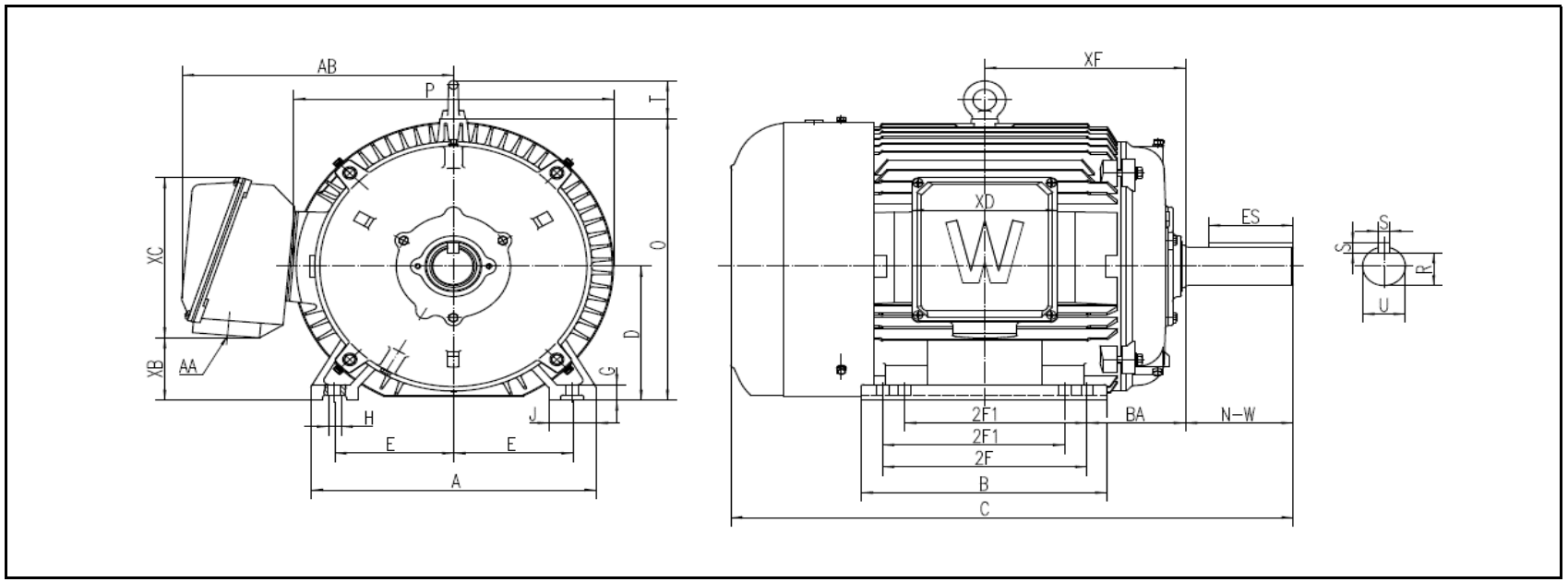
DE Bearing	NU316 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	3000 Hours
ODE Regreasing Interval	4500 Hours

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

MOTOR DRAWING

Premium Efficiency Motor: **PEWWE75-12-405T**

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										
8	12.25	13.75	0.81	6.62	19.136	16.535	37.815	10	1.181	3.15	21.535	21.024	2.835	18.264

SHAFT & KEY				
S	ES	R	N-W	U
0.75	5.65	2.45	7.25	2.875

TERMINAL BOX				
AA	XB	XC	XD	XF
3	4.659	11.933	9.764	13.494

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

PERFORMANCE CURVES

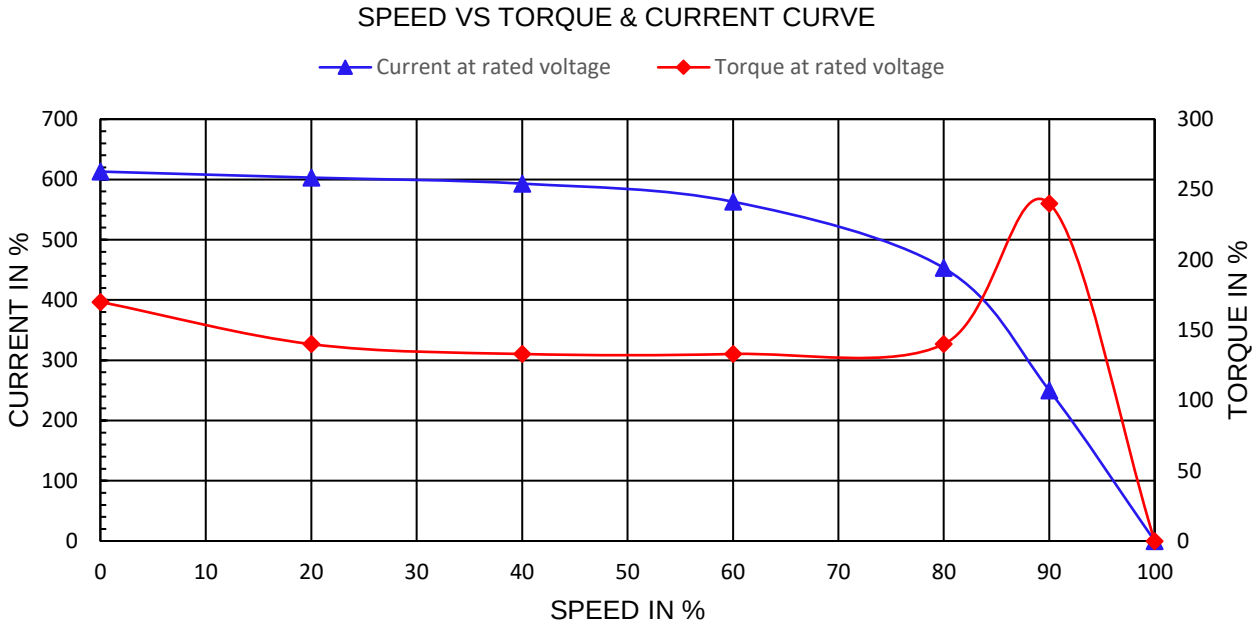
Premium Efficiency Motor: **PEWWE75-12-405T**

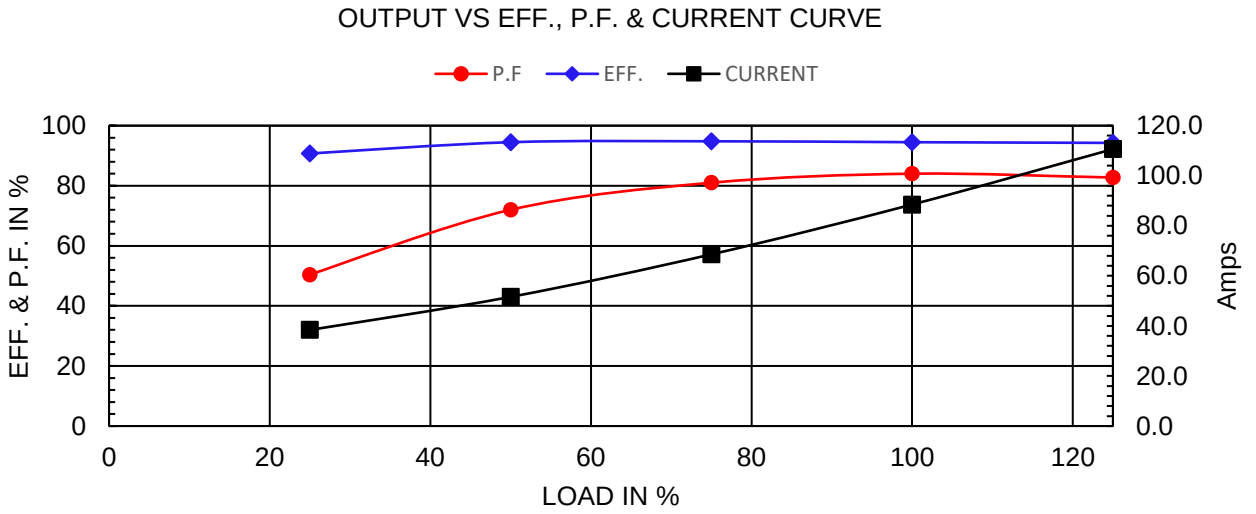
WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated:	9-Oct-2024
Document ID:	

Customer:

Motor Type	PEWWE						
Output Rating (HP)	75		FL Speed	1190			
Full Load Torque	331	lb.ft	LRT (%FLT)	170	460 volt FLA	88.5	A
Rotor Wk^2	36	lb-ft^2	BDT (%FLT)	240	230 volt FLA	177	A





This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization.

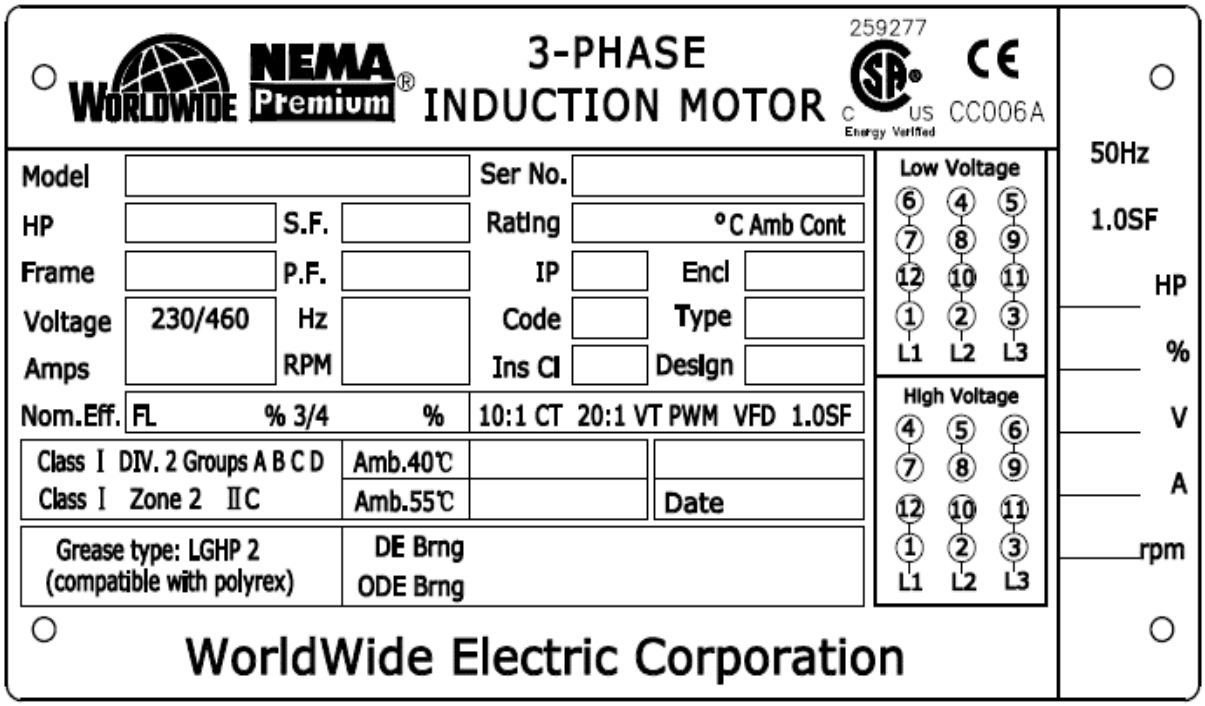
NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE75-12-405T**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated: 9-Oct-2024 Document ID:	Customer:

SAMPLE NAMEPLATE DATA



Model	PEWWE75-12-405T						
HP	75	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	405T	P.F.	0.84	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	177/88.5	RPM	1190	Design	B	DE Brng	NU316 C3
Nom.Eff.	FL	94.5%	3/4	94.8%		ODE Brng	6313 C3
Class 1 Division 2 Groups A,B,C,D T3A(180℃)						Grease type:	SKF LGHP 2

50Hz				
75 HP	200/400 V	207/103 A	990 rpm	93.1%

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization