



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE300-12-586/7UZ



HORSEPOWER	300		
RPM / POLES	1200 / 6		
VOLTAGE / PHASE	460 V / 3		
FRAME	586/7UZ		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ		
FULL LOAD SPEED	1190 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F		
FULL LOAD AMPS	341 A		
LOCKED ROTOR AMPS (STARTING)	2200 A		
NO LOAD CURRENT	118 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	95.8%	0.86
	75%	95.8%	0.83
	50%	95.5%	0.75
DUTY CYCLE	CONTINUOUS		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	1324 lb.ft.	200%	250%
SLIP	0.83%		
NEMA DESIGN	B		
MOMENT OF INERTIA	236.00 lb.ft. ²		
SOUND PRESSURE LEVEL	87 dB(A)		
MAX. TIME LOCKED ROTOR (Hot)	19 Seconds		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	NU326 C3		
ODE BEARING	6324 C3		
REGREASING INT. - DE BEARING	1,500 Hours		
REGREASING INT. - ODE BEARING	2,200 Hours		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1		
ROTATION	Bi-Directional		
CONNECTION DIAGRAM	460 V - 6 Lead Y/Δ		
SHAFT MATERIAL	4140 Carbon Steel		
APPROX. WEIGHT	4136 lbs.		
INVERTER RATING	3:1 CT / 6:1 VT PWM Type		



CC006A



PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



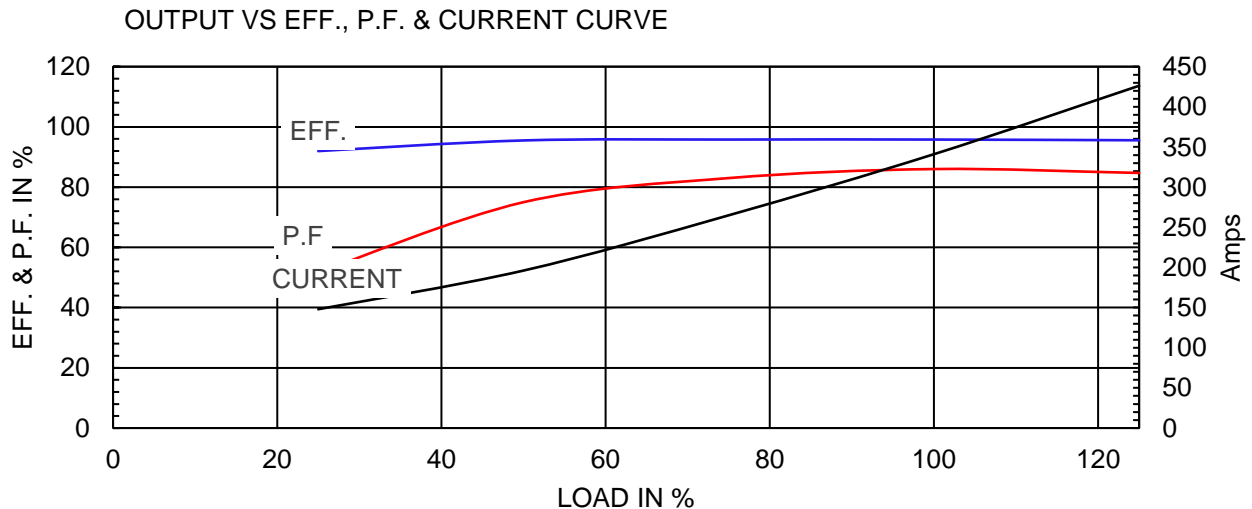
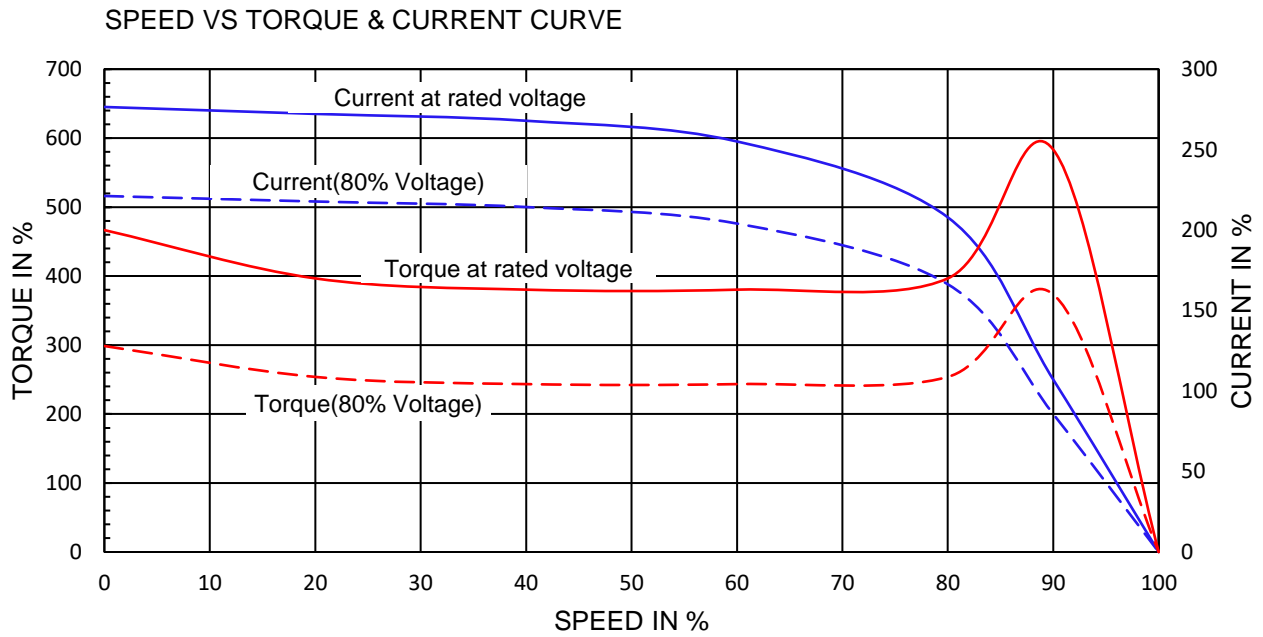
Premium Efficiency Motor:

PEWWE300-12-586/7UZ

Document Generated: 25-Jun-2020
Document ID:

Customer:

Motor Type	PEWWE		FL Speed	1190	
Output Rating (HP)	300		LRT (%FLT)	200	460 volt FLA 341
Full Load Torque	1324	lb.ft	BDT (%FLT)	250	230 volt FLA A
Rotor Wk ²	236	lb-ft ²			





NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE300-12-586/7UZ**


Document Generated: 21-Aug-2019	Customer:
Document ID:	

SAMPLE NAMEPLATE DATA

PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR

259277



CC006A
ISO9001

Model	PEWWE300-12-586/7UZ	Ser No.	ZP		
HP	300	S.F.	1.15	Type	
Frame	586/7	P.F.	0.86	Ins Cl	F
Voltage	460 V	Hz	60 Hz	Design	B
Amps	341A	RPM	1190	Code	G
Nom. Eff.	FL 95.8 %	3/4 95.8 %	460	V	
Class I Division 2 Groups A B C D				Amb. 40°C	T3(200°C)
10:1 CT 20:1 VT PWM VFD 1.0SF					

Encl: TEFC IP55

Rating: 40°C Amb Cont

DE Brng: NU326 C3

ODE Brng: 6324 C3

Date:

Connection

6	4	5
1	2	3
L1	L2	L3

WorldWide Electric Corporation

