

DATA SHEET

Premium Efficiency Motor: **PEWWE15-36-215TC**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	15
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	215TC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	2
Full Load Speed	3505
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	2.64%
NEMA Design	B
Moment of Inertia	0.369 lb.ft. ²
Locked Rotor Time (Hot)	8 seconds
Sound Pressure Level	69 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%	91.0 %	0.89
75%	91.8 %	0.86
50%	91.7 %	0.78

TORQUE

FULL LOAD	LRT	BDT
22.5 lb.ft.	160 %	240 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	34.7A	17.3A
Locked Rotor Amps	232A	116A
No Load Current	10.6A	5.3A
Usable at 208V	38.4A	

BEARING INFORMATION

DE Bearing	6308ZZ C3
ODE Bearing	6207ZZ C3
Grease Type	--
DE Regreasing Interval	- Hours
ODE Regreasing Interval	- Hours

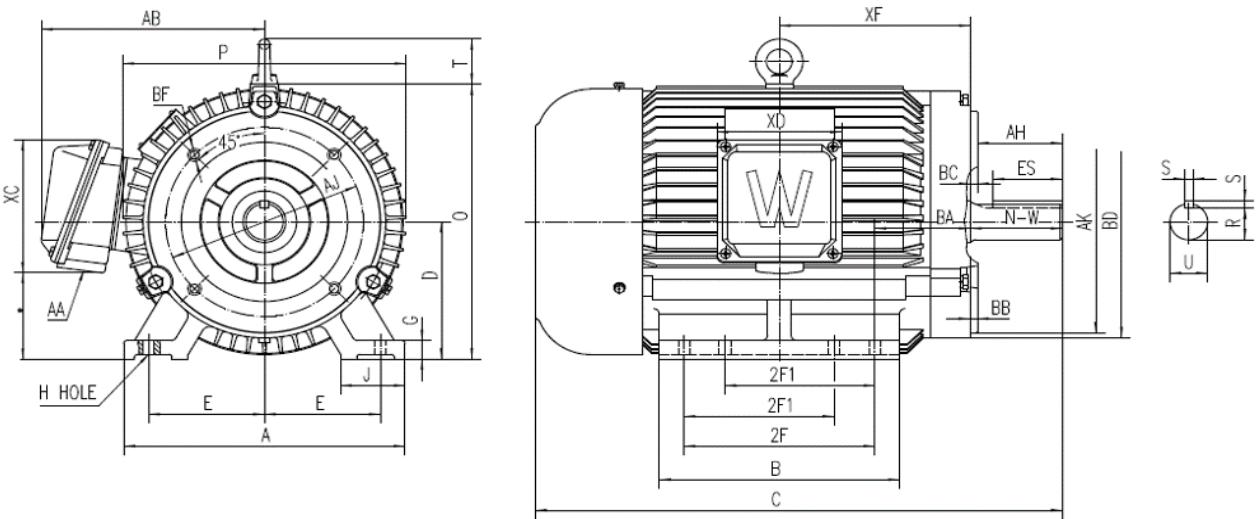
ADDITIONAL DATA

F2 Suitable	No
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Δ
Approximate Weight	190 lbs.

MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
4.25	5.5	7	0.41	3.5	10.315	8.819	19.319	5.25	0.709	2.362	10.389	10.526	1.732	8.178

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.312	2.41	1.201	3.38	3.12	1.375

TERMINAL BOX				
AA	XB	XC	XD	XF
1	3.296	5.098	4.567	7.002

FLANGE					
AJ	AK	BB	BD	BF	BC
7.25	8.5	0.25	8.898	1/2-13	0.25

PERFORMANCE CURVES

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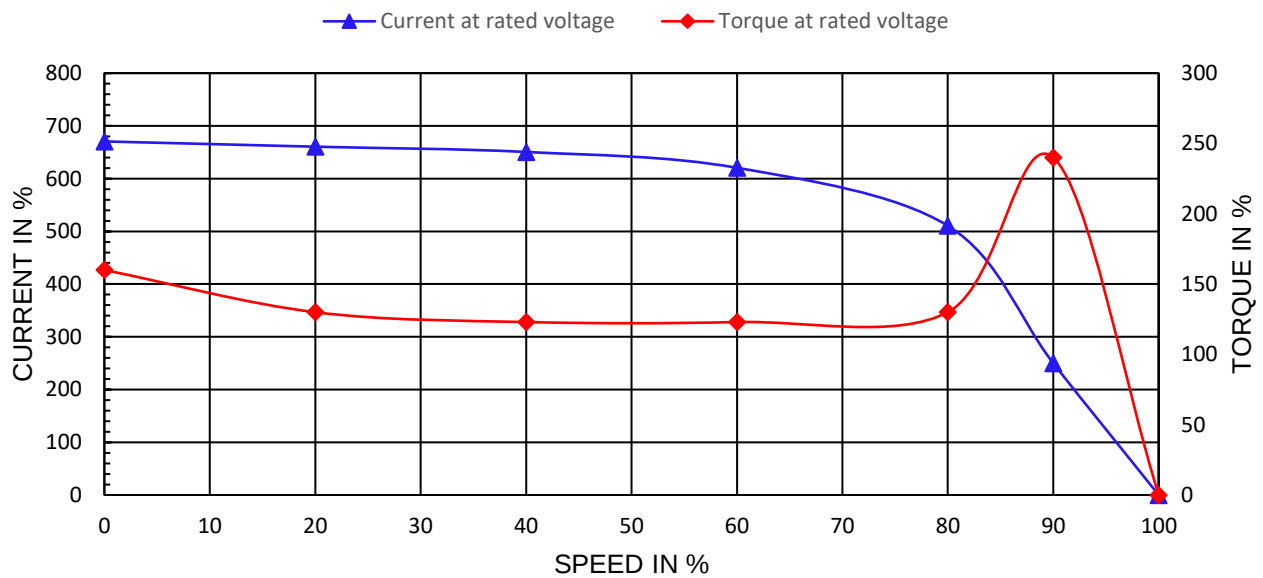
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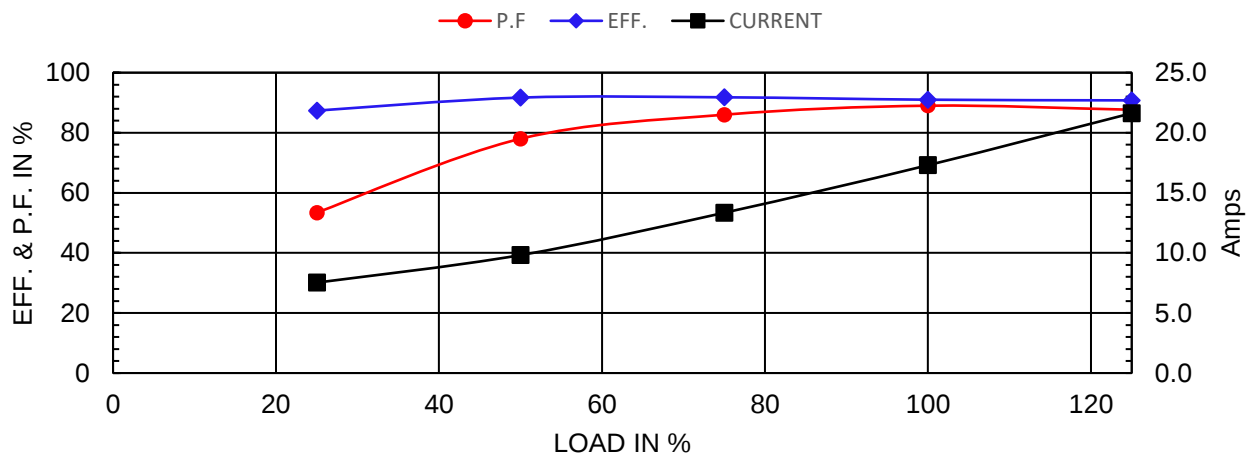
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Motor Type	PEWWE			FL Speed	3505		
Output Rating (HP)	15			LRT (%FLT)	160	460 volt FLA	17.3
Full Load Torque	22.5	lb.ft		BDT (%FLT)	240	230 volt FLA	34.7
Rotor Wk^2	0.369	lb-ft^2					

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277 		CE CC006A	
Model				Ser No.				Low Voltage	
HP		S.F.		IP		Encl		6 4 5 7 8 9 1 2 3 L1 L2 L3	
Frame		P.F.		Code		Type		High Voltage	
Voltage	230/460	Hz		Ins Cl		Rating	°C Amb Cont	4 5 6 7 8 9 1 2 3 L1 L2 L3	
Amps		RPM		Design		Date			
Nom.Eff.	FL	% 3/4	%	230/460V	10:1 CT	20:1 VT	PWM VFD	1.0SF	
				DE Brng					
Class I DIV. 2 Groups A B C D				Amb.40°C		T3C(160°C)		ODE Brng	
Class I Zone 2 IIC				Amb.55°C		T3A(180°C)		Grease type:	
50Hz		HP	V	A	rpm	S.F1.0			
WorldWide Electric Corporation									

Model	PEWWE15-36-215TC								
HP	15	S.F.	1.15	IP	IP55	Encl	TEFC		
Frame	215TC	P.F.	0.89	Code	G	Type			
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C		
Amps	34.7/17.3	RPM	3505	Design	B	DE Brng	6308ZZ C3		
Nom.Eff.	FL	91.0%	3/4	91.8%		ODE Brng	6207ZZ C3		
						Grease type:	--		
50Hz 15 HP 200/400 V 40.6/20.3 A 2895 rpm									