



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE15-12-284TC



HORSEPOWER	15		
RPM / POLES	1200 / 6		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	284TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1185 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	38.8 / 19.4 A (Usable On 208V At 42.9 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	232 / 116 A		
NO LOAD CURRENT	17 / 8.5 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	91.7%	0.79
	75 %	92.0%	0.75
	50 %	91.4%	0.65
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	66.5 lb.ft.	145%	230%
SLIP	1.25 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	3.61 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	15 Seconds		
SOUND PRESSURE LEVEL	70 dB (A)		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft.		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6311 C3		
ODE BEARING	6309 C3		
REGREASING INT. - DE BEARING	6000 Hours		
REGREASING INT. - ODE BEARING	7500 Hours		
GREASE TYPE	SKF LGHP 2		
MOUNTING	F1 (F2 Suitable)		
ROTATION	Bi-Directional		
SHAFT MATERIAL	1045 Carbon Steel		
INVERTER RATING	10:1 CT / 20:1 VT PWM Type		
CONNECTION DIAGRAM	230 / 460 V - 12 Lead Δ		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
APPROXIMATE WEIGHT	366 lbs.		



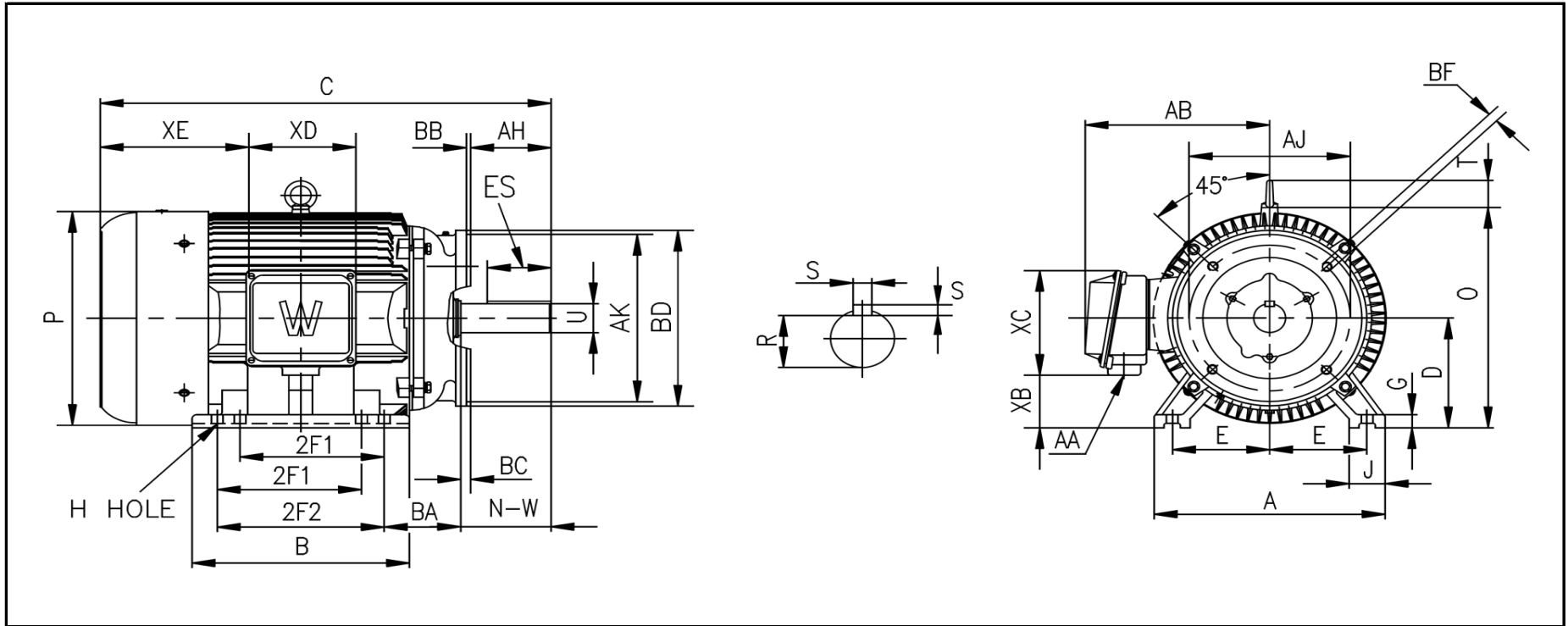
CC006A





WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-284TC



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
5.5	-	9.5	0.53	4.75	14	12.4	26.6	7	0.87	2.8	14	14.3	2.05	11.5

KEY		KEYSET	FLANGE				SHAFT		TERMINAL BOX					
S	ES	R	AK	AJ	BF	BB	BD	N-W	U	AA	XB	XC	XD	XE
0.5	3.28	1.591	10.5	9	1/2 - 13	0.25	11.25	4.62	1.875	1.5	3.6	7.4	6.3	6.18

REVISED - 08/11/17

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net

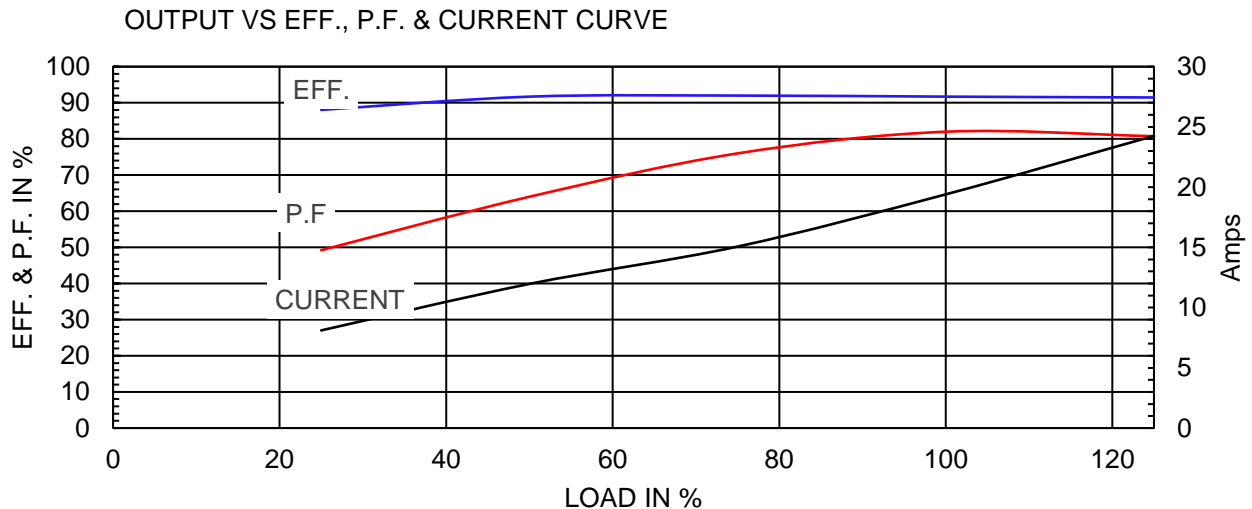
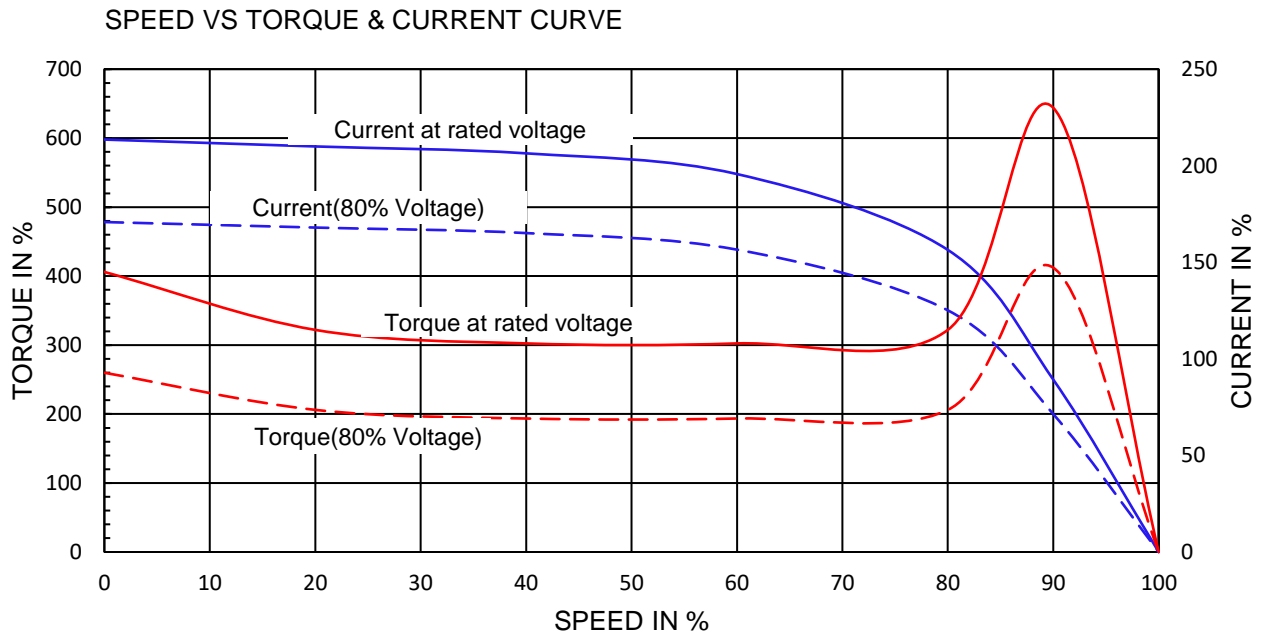


Premium Efficiency Motor:

PEWWE15-12-284TC

Document Generated:	25-Jun-2020	Customer:	
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Motor Type	PEWWE		
Output Rating (HP)	15	FL Speed	1185
Full Load Torque	66.5 lb.ft	LRT (%FLT)	145
Rotor Wk^2	4.09 lb-ft^2	BDT (%FLT)	230
		460 volt FLA	19.4
		230 volt FLA	38.8A



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **PEWWE15-12-284TC**

Document Generated: 24-Sep-2019
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Customer:

SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR				CC006A ISO9001	259277 																																				
Model	PEWWE15-12-284TC		Ser No.	ZP			<table border="1"> <tr><th colspan="3">Low Voltage</th></tr> <tr><td>6</td><td>4</td><td>5</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>12</td><td>10</td><td>11</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>L1</td><td>L2</td><td>L3</td></tr> <tr><th colspan="3">High Voltage</th></tr> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>12</td><td>10</td><td>11</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>L1</td><td>L2</td><td>L3</td></tr> </table>	Low Voltage			6	4	5	7	8	9	12	10	11	1	2	3	L1	L2	L3	High Voltage			4	5	6	7	8	9	12	10	11	1	2	3	L1	L2	L3
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HP	15	S.F.	1.25	Type		Encl	TEFC IP55																																				
Frame	284TC	P.F.	0.82	Ins Cl	F	Rating	40°C Amb Cont																																				
Voltage	230/460	Hz	60 Hz	Design	B	DE Brng	6311 C3																																				
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Nom.Eff.	FL 91.7 %	3/4 92.0 %	230/460V		Date																																						
Usable on 208V network at 41 Amps 1.0SF		Class I DIV. 2 Groups A B C D		Amb.40°C		T3C(160°C)																																					
10:1 CT 20:1 VT PWM VFD 1.0SF		Class I Zone 2 IIC		Amb.55°C		T3A(180°C)																																					
50Hz 15 HP 200/400V V 46. / 23. A 980 rpm S.F1.0																																											
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