



WORLDWIDE ELECTRIC MOTOR DATA SHEET

PEWWE1-18-143TC



HORSEPOWER	1		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	143TC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1755 RPM		
SERVICE FACTOR	1.25		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	3.27 / 1.63 A (Usable On 208V At 3.61 A)		
LOCKED ROTOR AMPS (STARTING); 230 / 460	30 / 15 A		
NO LOAD CURRENT	2.2 / 1.1 A		
NEMA CODE LETTER	N		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100 %	85.5%	0.67
	75 %	84.5%	0.60
	50 %	81.0%	0.47
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	2.99 lb.ft.	300%	420%
SLIP	2.5 %		
NEMA DESIGN	B		
MOMENT OF INERTIA	0.089 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	12 Seconds		
SOUND PRESSURE LEVEL	60 dB (A)		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft.		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6205ZZ C3		
ODE BEARING	6205ZZ C3		
REGREASING INT. - DE BEARING	---		
REGREASING INT. - ODE BEARING	---		
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 - 9 Lead Y		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
APPROXIMATE WEIGHT	41 lbs.		



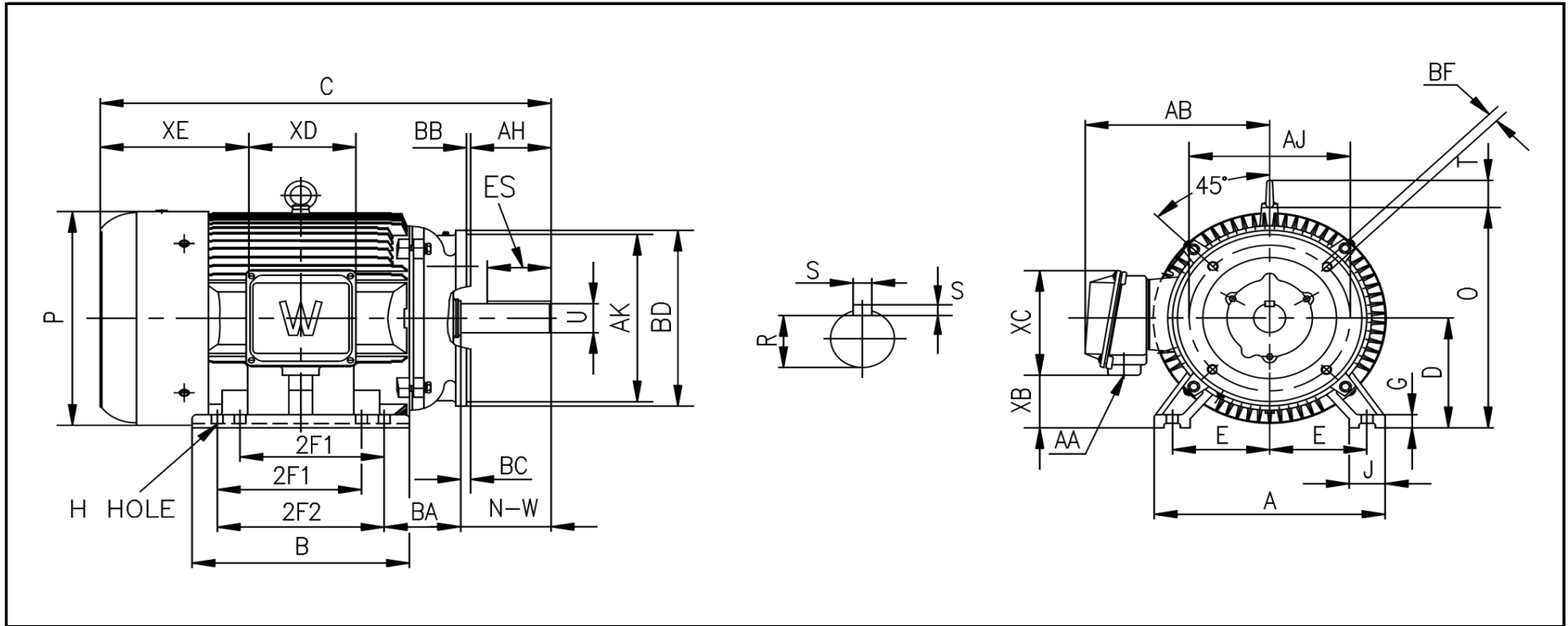
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WORLDWIDE ELECTRIC MOTOR DRAWING

PEWWE-143TC



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
2.75	-	4	0.34	2.25	7	5.6	12.5	3.5	0.43	1	7.8	7.6	1.42	6.7

KEY		KEYSET	FLANGE					SHAFT		TERMINAL BOX				
S	ES	R	AK	AJ	BF	BB	BD	N-W	U	AA	XB	XC	XD	XE
0.188	1.41	0.771	4.5	5.875	3/8 - 16	0.16	6.5	2.25	0.875	0.75	1.6	4.6	4.1	3.95

REVISED - 08/11/17

PERFORMANCE CURVES

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor:

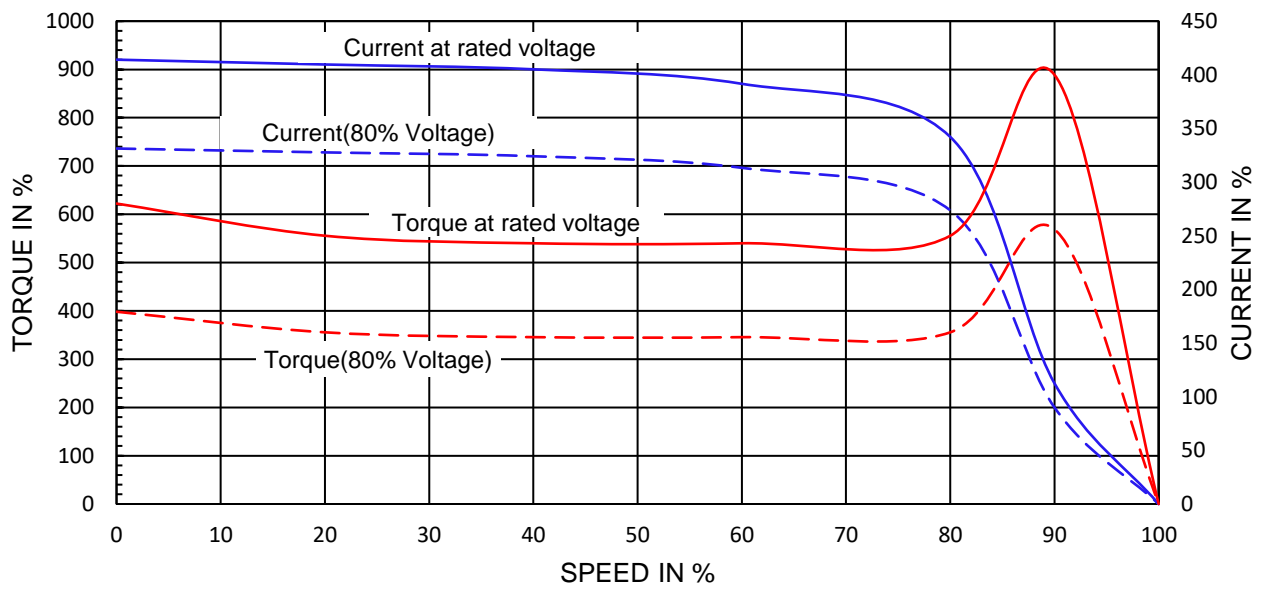
PEWWE1-18-143TC

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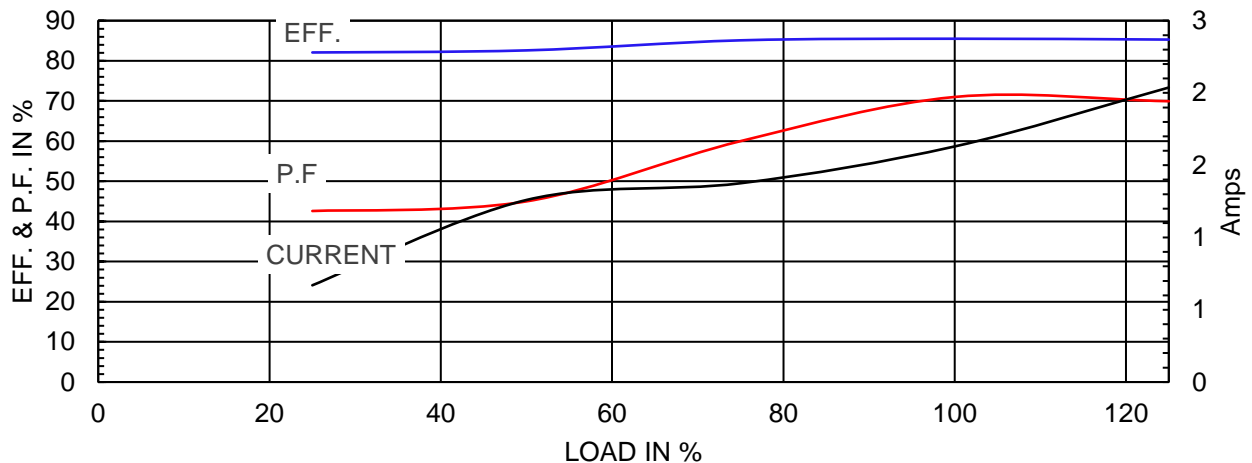
Customer:

Motor Type	PEWWE		FL Speed	1755		
Output Rating (HP)	1		LRT (%FLT)	280	460 volt FLA	1.63
Full Load Torque	2.99	lb.ft	BDT (%FLT)	400	230 volt FLA	3.27A
Rotor Wk ²	0.089	lb-ft ²				

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net






Premium Efficiency Motor: **PEWWE1-18-143TC**

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Customer:

SAMPLE NAMEPLATE DATA

 		PREMIUM EFFICIENCY 3-PHASE INDUCTION MOTOR			CC006A ISO9001	259277 	
Model	PEWWE1-18-143TC		Ser No.	ZP			
HP	1	S.F.	1.25	Type		Encl	TEFC IP55
Frame	143TC	P.F.	0.71	Ins Cl	F	Rating	40°C Amb Cont
Voltage	230/460	Hz	60 Hz	Design	B	DE Brng	6205ZZ C3
Amps	3.27A / 1.63A	RPM	1755	Code	N	ODE Brng	6205ZZ C3
Nom.Eff.	FL 85.5 %	3/4	85.1 %	230/460V		Date	
Usable on 208V network at		3	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 1 HP 200/400 V V 4.0 / 2.0 A 1450 rpm S.F1.0							
WorldWide Electric Corporation							

Low Voltage

4—5—6

7 8 9

1 2 3

L1 L2 L3

High Voltage

4 5 6

7 8 9

1 2 3

L1 L2 L3

