

DATA SHEET

Premium Efficiency Motor: **PEWWE200-18-445/7TC**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	200
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	445/7TC
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1790
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.55%
NEMA Design	B
Moment of Inertia	61 lb.ft.^2
Locked Rotor Time (Hot)	17 seconds
Sound Pressure Level	78 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%	96.2 %	0.85
75%	96.5 %	0.84
50%	96.3 %	0.76

TORQUE

FULL LOAD	LRT	BDT
587 lb.ft.	180 %	250 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	458A	229A
Locked Rotor Amps	2900A	1450A
No Load Current	148A	74A
Usable at 208V	506A	

BEARING INFORMATION

DE Bearing	6319 C3
ODE Bearing	6313 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	1500 Hours
ODE Regreasing Interval	3000 Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	1964 lbs.

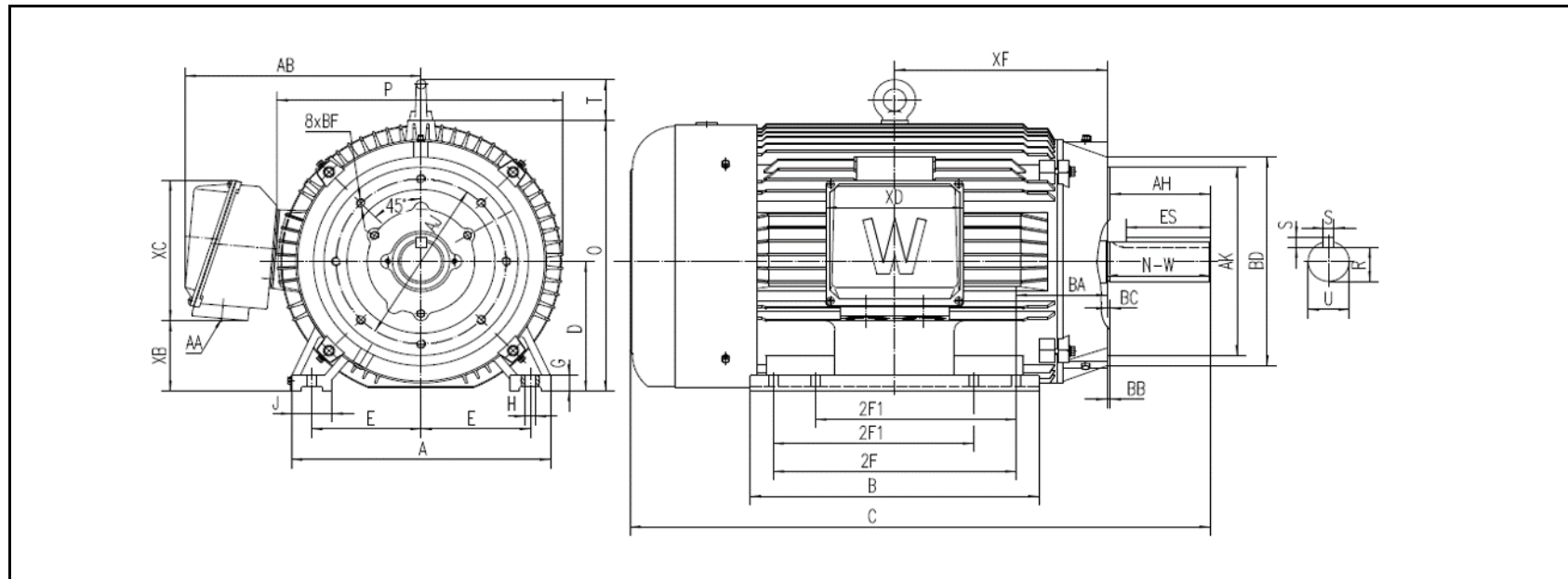
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
9	16.5	20	0.81	7.5	21.339	23.78	47.813	11	1.378	3.346	23.574	22.969	3.465	19.436

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.875	6.91	2.88	8.5	8.25	3.375

TERMINAL BOX				
AA	XB	XC	XD	XF
2 X 3	5.97	11.905	11.339	17.5

FLANGE					
AJ	AK	BB	BD	BF	BC
14	16	0.25	17.717	5/8-11	0.25

PERFORMANCE CURVES

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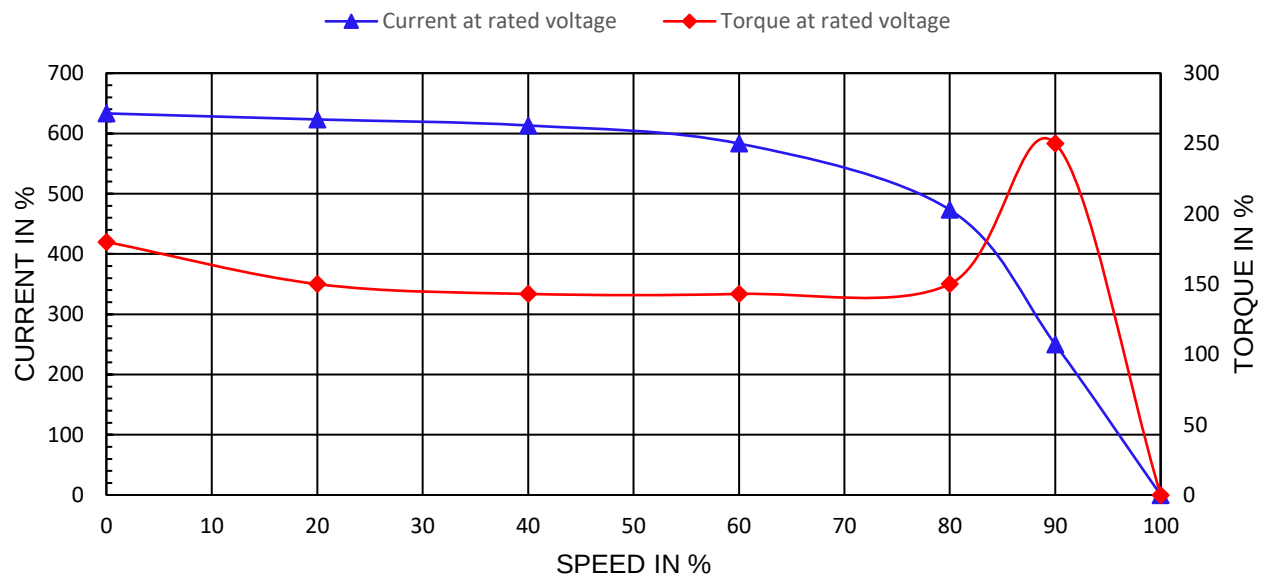
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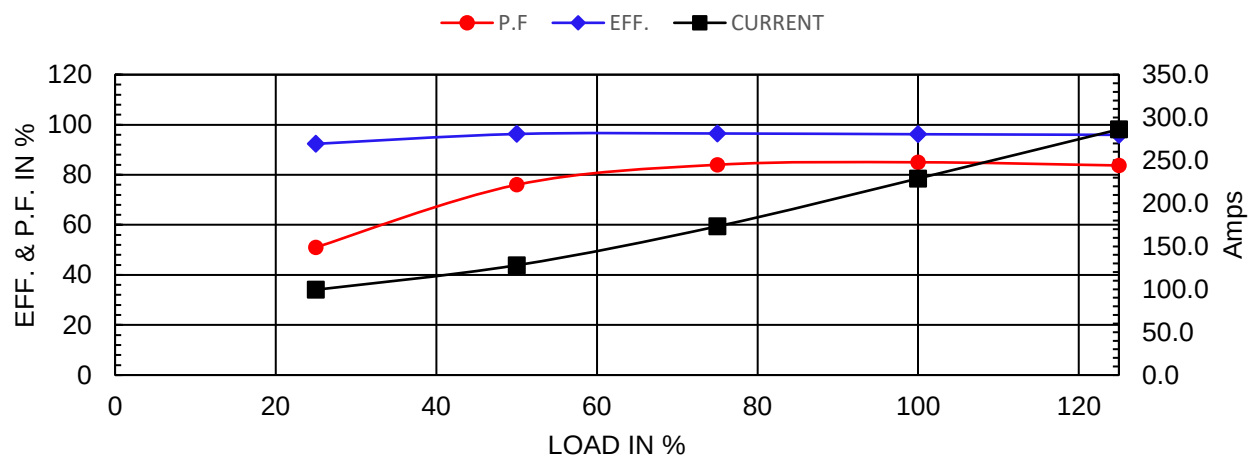
Customer:

Motor Type	PEWWE			FL Speed	1790		
Output Rating (HP)	200			LRT (%FLT)	180	460 volt FLA	229
Full Load Torque	587	lb.ft		BDT (%FLT)	250	230 volt FLA	458
Rotor Wk^2	61	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 6 4 5 7 8 9 12 10 11 1 2 3 L1 L2 L3	
HP		S.F.		IP		Encl	
Frame		P.F.		Code		Type	
Voltage	230/460	Hz		Ins Cl		Rating	°C Amb Cont
Amps		RPM		Design		Date	
Nom.Eff.	FL	% 3/4	%	230/460V	10:1 CT	20:1 VT PWM VFD	1.0SF
Class I DIV. 2 Groups A B C D Class I Zone 2 II C				DE Brng ODE Brng Grease type: LGHP 2 (compatible with polyrex)		High Voltage 4 5 6 7 8 9 12 10 11 1 2 3 L1 L2 L3	
50Hz		HP	V		A	rpm	1.0SF
WorldWide Electric Corporation							

Model	PEWWE200-18-445/7TC						
HP	200	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	445/7TC	P.F.	0.85	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	458/229	RPM	1790	Design	B	DE Brng	6319 C3
Nom.Eff.	FL	96.2%	3/4	96.5%		ODE Brng	6313 C3
						Grease type:	SKF LGHP 2
50Hz	#N/A	HP	#N/A	#N/A	A	#N/A	rpm