



DATA SHEET

Premium Efficiency Motor: **PEWWE60-18-364T**

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Customer:

MOTOR INFORMATION	
HP	60
RPM	1800
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	364T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1780
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.10%
NEMA Design	B
Moment of Inertia	14 lb.ft.^2
Locked Rotor Time (Hot)	14 seconds
Sound Pressure Level	73 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 1 Division 2 Groups A,B,C,D T3A(180°C)
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%	95.0 %	0.83
75%	95.3 %	0.80
50%	94.9 %	0.71

TORQUE		
FULL LOAD	LRT	BDT
177 lb.ft.	190 %	250 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	142A	71.2A
Locked Rotor Amps	870A	435A
No Load Current	52A	26A
Usable at 208V	158A	

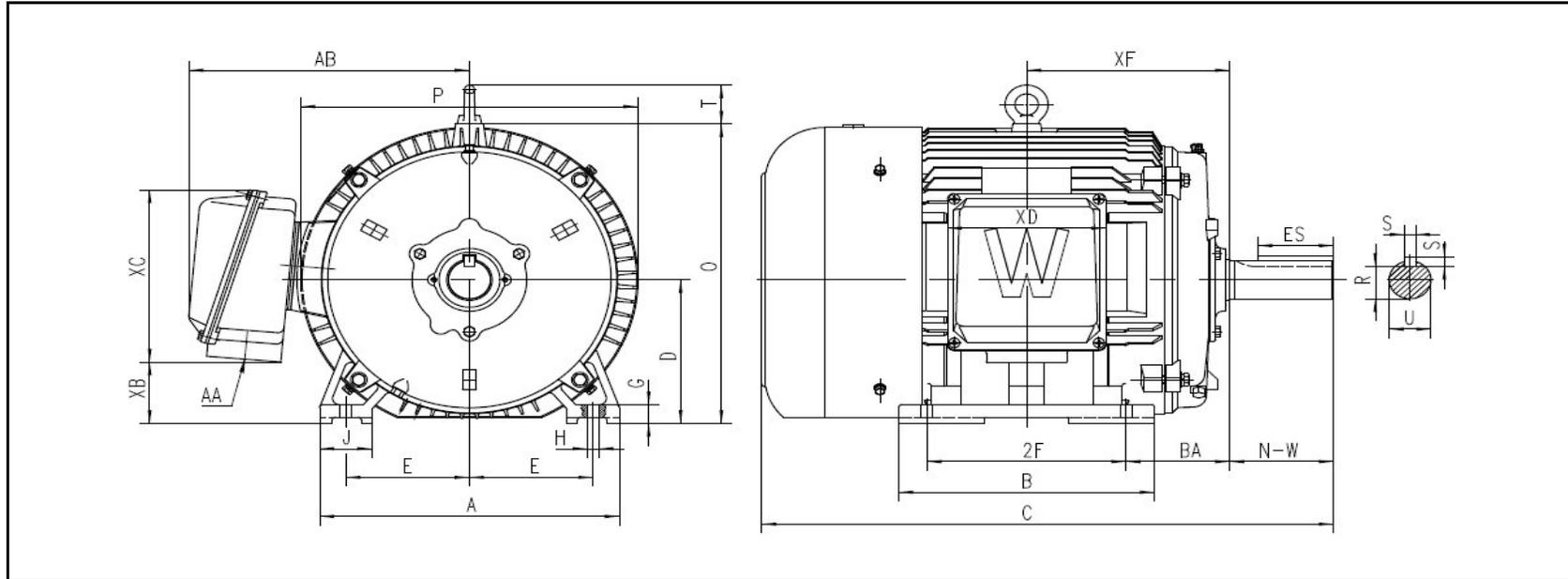
BEARING INFORMATION	
DE Bearing	6313 C3
ODE Bearing Grease Ty	6312 C3
pe DE Regreasing	SKF LGHP 2
Interval	3000 Hours
ODE Regreasing Interval	4000 Hours

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	747 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										
7	--	11.25	0.66	5.88	16.969	14.488	32.376	9	1.181	2.953	19.091	18.8	2.441	15.899

SHAFT & KEY				
S	ES	R	N-W	U
0.625	4.28	2.021	5.88	2.375

TERMINAL BOX				
AA	XB	XC	XD	XF
3	3.849	10.783	8.976	11.496



PERFORMANCE CURVES

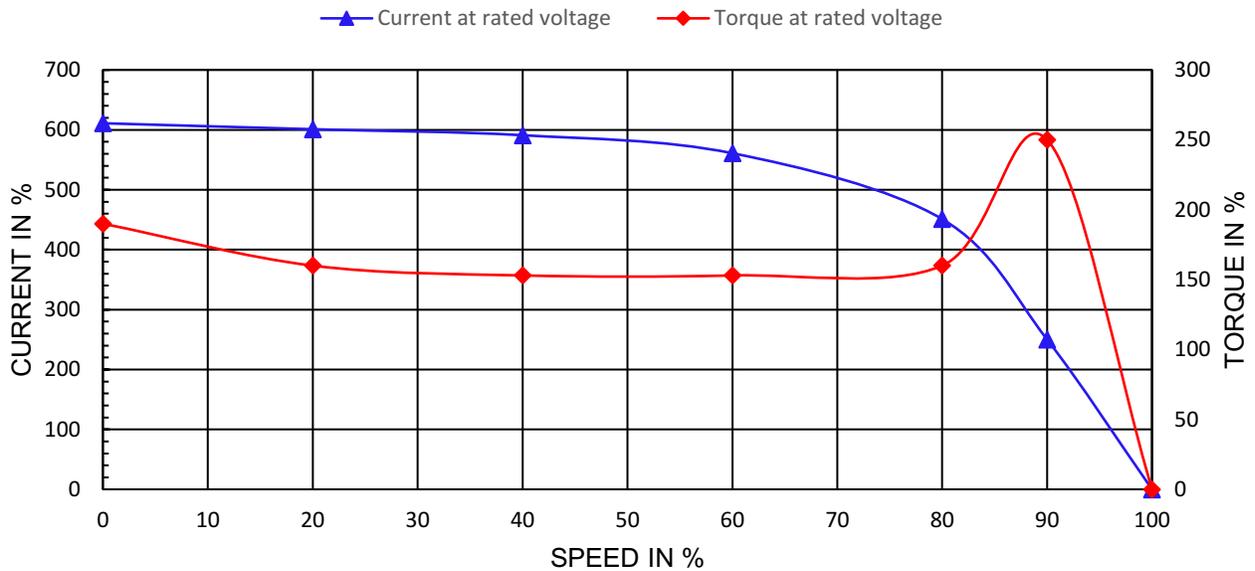
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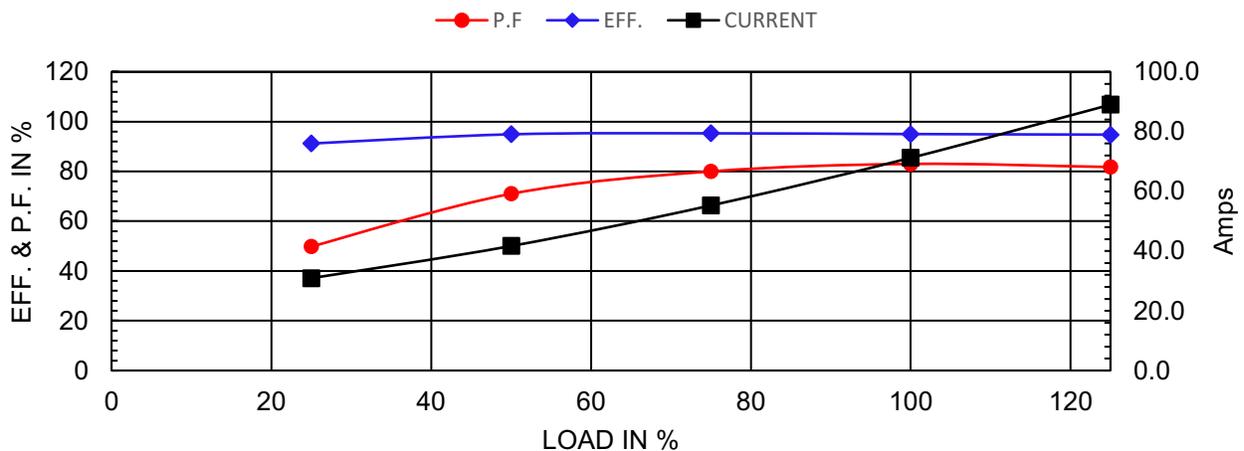
Customer:

Motor Type	PEWWE		FL Speed	1780		
Output Rating (HP)	60		LRT (%FLT)	190	460 volt FLA	71.2 A
Full Load Torque	177	lb.ft	BDT (%FLT)	250	230 volt FLA	142 A
Rotor Wk^2	14	lb-ft^2				

SPEED VS TORQUE & CURRENT CURVE



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





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NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277		
Model		Ser No.				Low Voltage		
HP	S.F.	IP	Encl			6	4	5
Frame	P.F.	Code	Type			7	8	9
Voltage	Hz	Ins Cl	Rating	°C Amb Cont		12	10	11
Amps	RPM	Design	Date			1	2	3
Nom.Eff.	FL	% 3/4	% 230/460 V	10:1 CT	20:1 VT	PWM	VFD	1.0SF
Class I DIV. 2 Groups A B C D		Amb.40°C	DE Brng		High Voltage			
Class I Zone 2 IIC		Amb.55°C	ODE Brng		4 5 6			
		Grease type: LGHP 2 (compatible with polyrex)		7 8 9				
50Hz		HP	V	A	rpm	1.0SF		
WorldWide Electric Corporation								

Model	PEWWE60-18-364T						
HP	60	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	364T	P.F.	0.83	Code	G	Type	
Voltage	230/460 V	Hz	60Hz	Ins Cl	F	Ambient	40°C
Amps	142/71.2	RPM	1780	Design	B	DE Brng 6313 C3	
Nom.Eff.	FL	95.0%	3/4	95.3%	ODE Brng 6312 C3		
Class 1 Division 2 Groups A,B,C,D					T3A(180°C)		Grease type: SKF LGHP 2
50Hz	60 HP	200/400 V	167/83.6	A	1480 rpm		