

DATA SHEET

Premium Efficiency Motor: **PEWWE40-9-365T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	40
RPM	900
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	365T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	8
Full Load Speed	885
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.67%
NEMA Design	B
Moment of Inertia	22 lb.ft.^2
Locked Rotor Time (Hot)	20 seconds
Sound Pressure Level	70 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%	91.7 %	0.75
75%	92.0 %	0.71
50%	91.6 %	0.61

TORQUE

FULL LOAD	LRT	BDT
237 lb.ft.	150 %	200 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	109A	54.5A
Locked Rotor Amps	580A	290A
No Load Current	59A	24.5A
Usable at 208V	120A	

BEARING INFORMATION

DE Bearing	6313 C3
ODE Bearing	6312 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	5100 Hours
ODE Regreasing Interval	6800 Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	796 lbs.

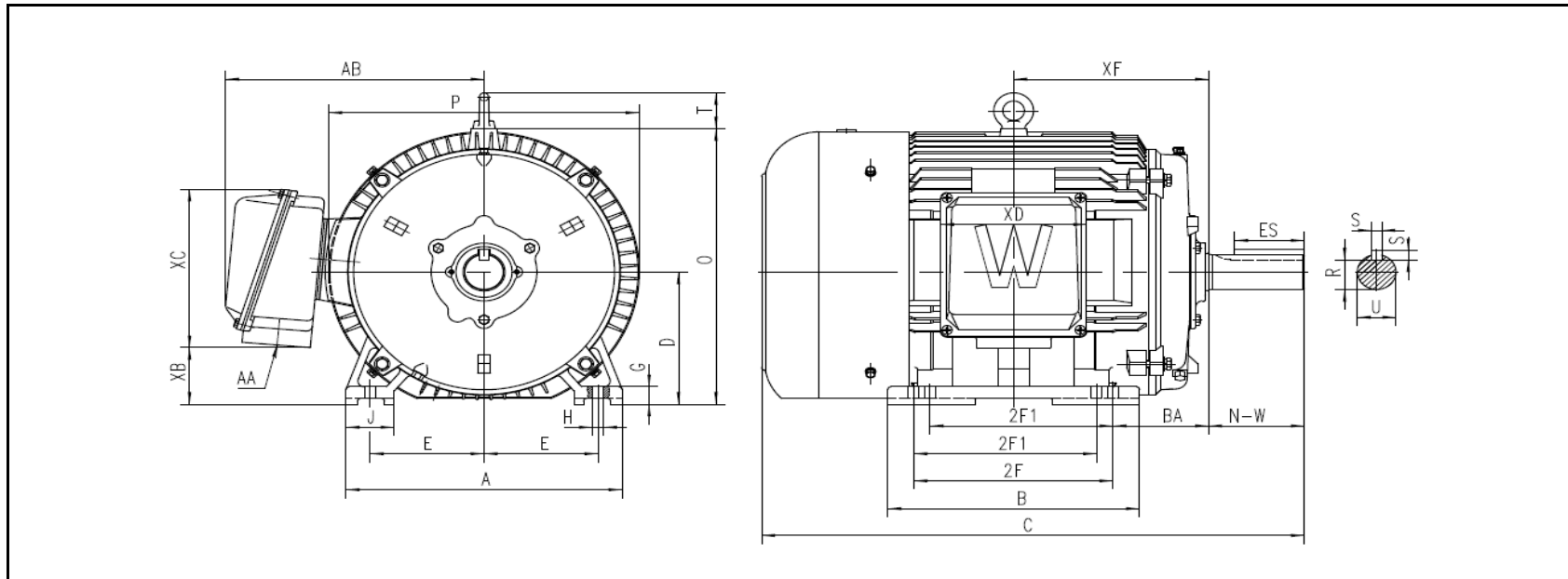
MOTOR DRAWING

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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	12.25	0.66	5.88	16.969	15.472	33.36	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	11.988

PERFORMANCE CURVES

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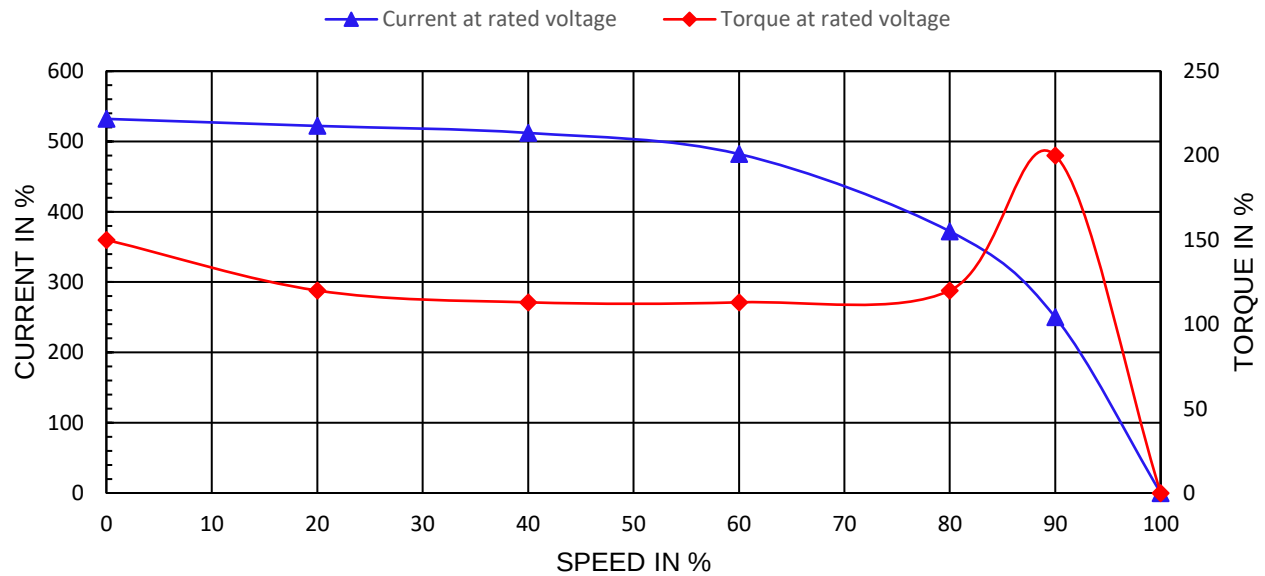
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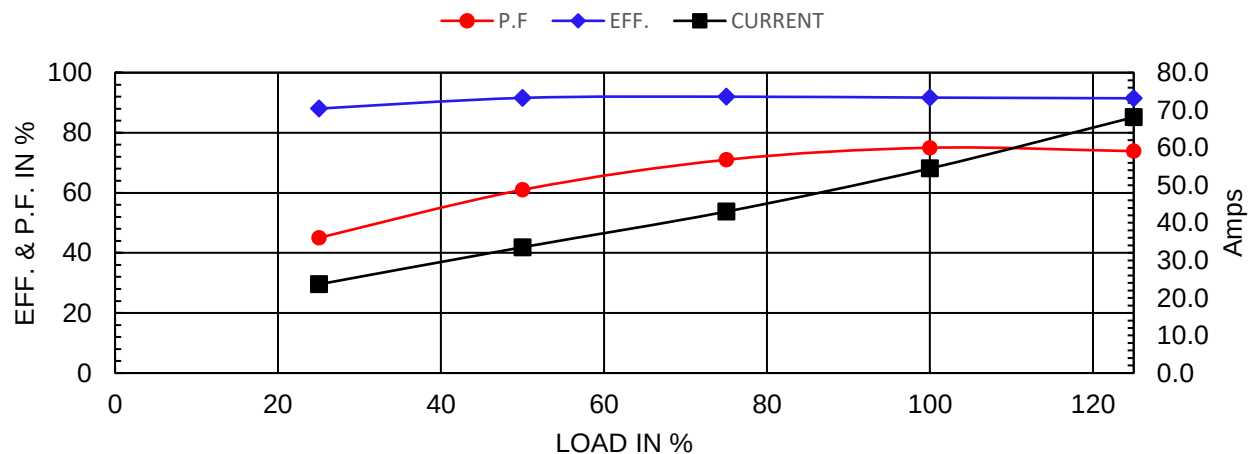
Customer:

Motor Type	PEWWE							
Output Rating (HP)	40			FL Speed	885			
Full Load Torque	237	lb.ft		LRT (%FLT)	150	460 volt FLA	54.5	A
Rotor Wk^2	22	lb-ft^2		BDT (%FLT)	200	230 volt FLA	109	A

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 	 CC006A
Model			Ser No.			Low Voltage	
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	% 230/460 V	10:1 CT	20:1 VT	PWM VFD	1.0SF
				DE Brng			
Class I DIV. 2 Groups A B C D				ODE Brng			
Class I Zone 2 IIC				Grease type: LGHP 2 (compatible with polyrex)			
50Hz				HP	V	A	rpm 1.0SF
WorldWide Electric Corporation							

Model	PEWWE40-9-365T						
HP	40	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	365T	P.F.	0.75	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	109/54.5	RPM	885	Design	B	DE Brng 6313 C3	
Nom.Eff.	FL	91.7%	3/4	92.0%	ODE Brng 6312 C3		
						Grease type: SKF LGHP 2	
50Hz 40 HP 200/400 V 128/64 A 735 rpm							