

DATA SHEET

Premium Efficiency Motor: **OW40-12-365T**,

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 6-Apr-2023

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Customer:

MOTOR INFORMATION

HP	40
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460/796
Frame Size	365T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	6
Full Load Speed	1113
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	7.25%
NEMA Design	D
Moment of Inertia	11.4386 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	86 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	F2
Rotation	Bi-Directional
Standard	NEMA MG-1
Approvals	UL, CE, IEEE45

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	87.4 %	0.90
75%	89.0 %	0.88
50%	89.4 %	0.82

TORQUE

FULL LOAD	LRT	BDT	PUT
190 lb.ft.	337 %	205 %	357 %

AMPERAGE INFORMATION

	230V	460V	796V
Full Load Amps	95.80	47.90	27.60
Locked Rotor Amps	682.80	341.40	197.11
No Load Current	39.80	19.90	11.49

BEARING INFORMATION

DE Bearing	6314 C3
ODE Bearing	6212 C3
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	2400 Hours
Grease Quantity	26g/12g

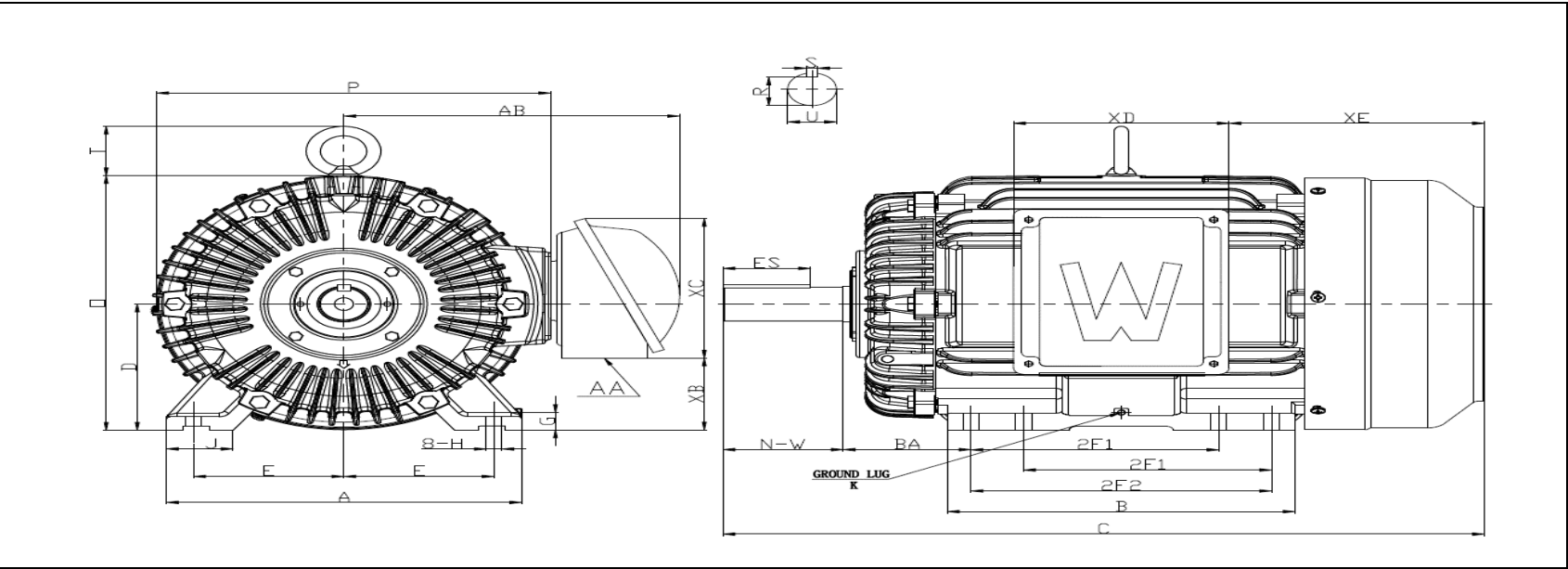
ADDITIONAL DATA

F2 Suitable	YES
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	714 lbs.
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3B in accordance with NEC

MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
7	11.25	12.25	0.66	5.88	16.93	15.4	33.52	9	1.181	3.543	16.54	19.11	2.81	15.55

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

TERMINAL BOX				
AA	XB	XC	XD	XE
3	4.29	11.27	9.17	12.4

GROUND LUG
K
M8

PERFORMANCE CURVES

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OW40-12-365T

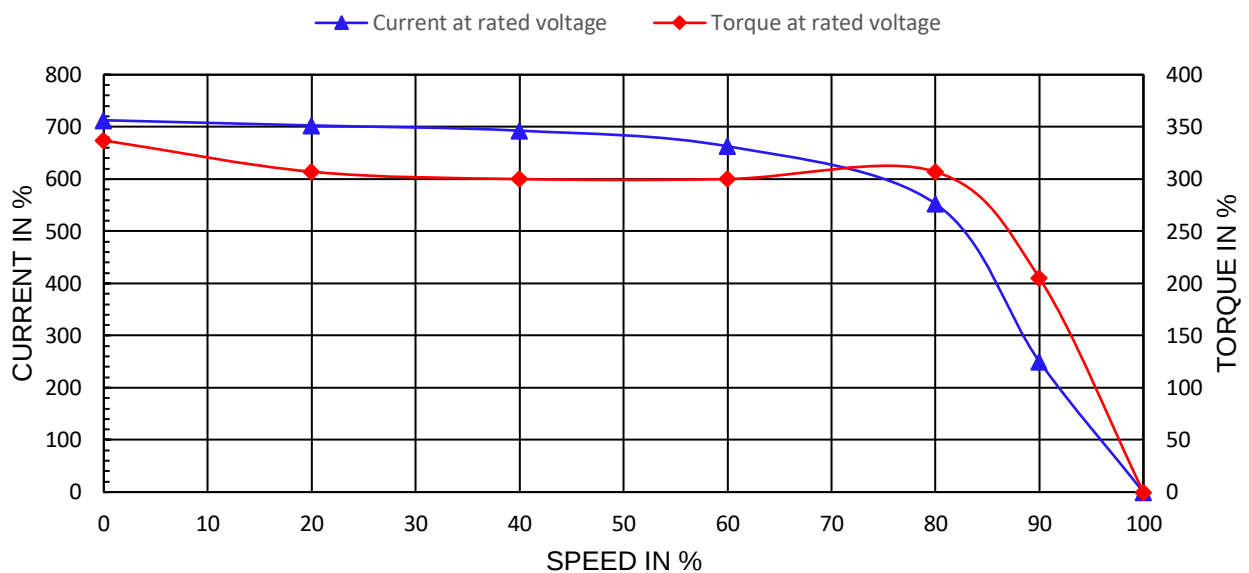
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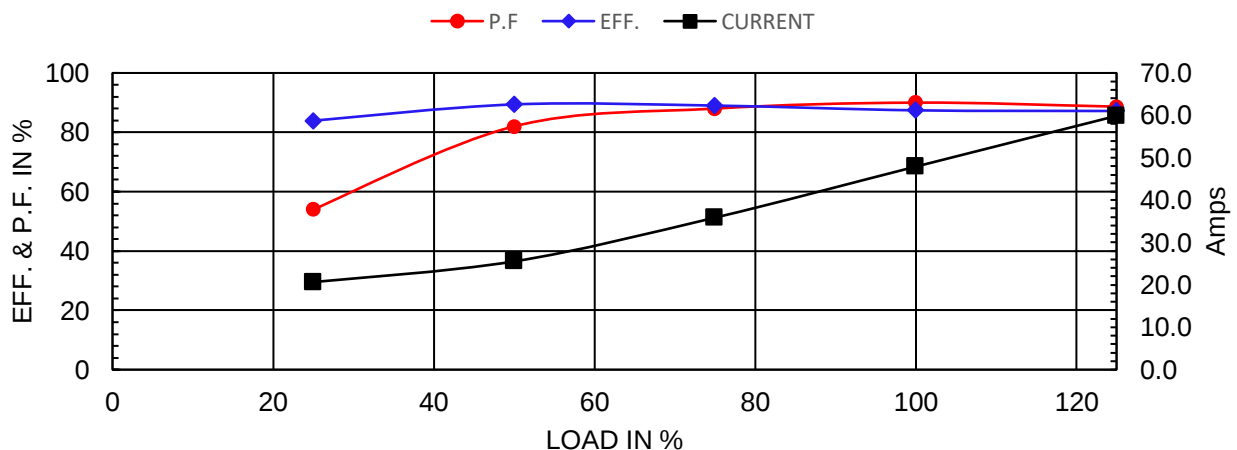
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Motor Type	PEWWE		FL Speed	1113	
Output Rating (HP)	40		LRT (%FLT)	337	460 volt FLA 47.90
Full Load Torque	190	lb.ft	BDT (%FLT)	205	230 volt FLA 95.80
Rotor Wk^2	11.4386	lb-ft^2			

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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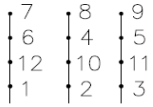
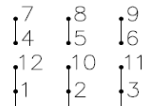
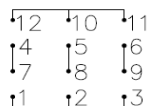
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SAMPLE NAMEPLATE DATA

 OIL WELL PUMPING 3 PHASE INDUSTRIAL ELECTRIC MOTOR  						 230 V  460 V  796 V Y Connection For Starting Only	Made in China
Model :		SN :		Code :			
HP :	RPM :	IP 55	FR :	End: TEFC			
Hz :	60	50	Ins : F	Eff :			
Volts :	230/460/796	200/400/693	Design : D	P.F. :			
Amps :			WT :	DE BRG :			
SF :	1.15	1.0	Duty: Cont	ODE BRG :			
Max Amb 40°C-CONT			LRT/FLT : %	Date :			
 WorldWide Electric Corporation							

Model	OW40-12-365T				
HP	40	RPM	1113	IP	IP55
Hz	60 Hz	Hz	50Hz	Frame	365T
Voltage	230/460/796	Volts	200/400/693	Encl	TEFC
230V FLA	95.80	200V FLA	118.60	Ins Cl	F
460V FLA	47.90	400V FLA	59.30	Design	D
796V FLA	27.60	693V FLA	59.30	Code	G
S.F.	1.15	S.F.	1.00	WT	714 lbs.
Max. Amb.	40°C			Duty	S1 / Continuous
LRT/FLT	337%			Nom.Eff.	87.4%
				P.F.	0.9
				DE Brng	6314 C3
				ODE Brng	6212 C3