

# DATA SHEET

Premium Efficiency Motor: **OW150-12-449T**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 8-Feb-2024  
Document ID:

Customer:

MOTOR INFORMATION	
HP	150
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460/796
Frame Size	449T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	6
Full Load Speed	1135
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	F
Duty Cycle	S1 / Continuous
Slip	5.42%
NEMA Design	D
Moment of Inertia	63.9524 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	97 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

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	94.5 %	0.87
75%	92.9 %	0.84
50%	90.5 %	0.74

TORQUE			
FULL LOAD	LRT	BDT	PUT
683.1 lb.ft.	285 %	185 %	315 %

AMPERAGE INFORMATION			
	230V	460V	796V
Full Load Amps	347.00	173.50	100.00
Locked Rotor Amps	2231.40	1115.70	644.17
No Load Current	97.20	48.60	28.06

BEARING INFORMATION	
DE Bearing	NU320 C3
ODE Bearing	6316 C3
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	2400 Hours
Grease Quantity	51g/33g

ADDITIONAL DATA	
F2 Suitable	YES
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	2064 lbs.
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3B in accordance with NEC

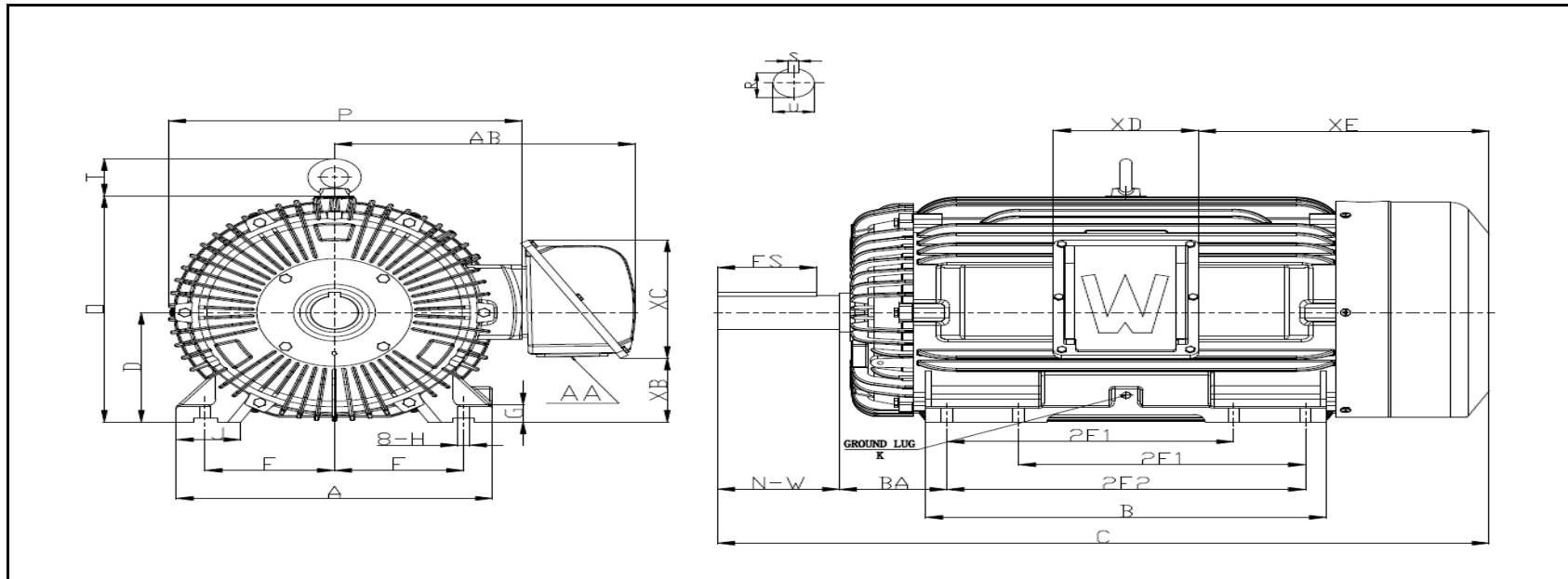
# MOTOR DRAWING

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## DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
9	20	25	0.81	7.5	22	29	54.4	11	1.417	4.33	24.3	22.2	4.06	23.03

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

TERMINAL BOX				
AA	XB	XC	XD	XE
3	4.13	16.2	11.6	19.2

GROUND LUG
K
M12

# PERFORMANCE CURVES

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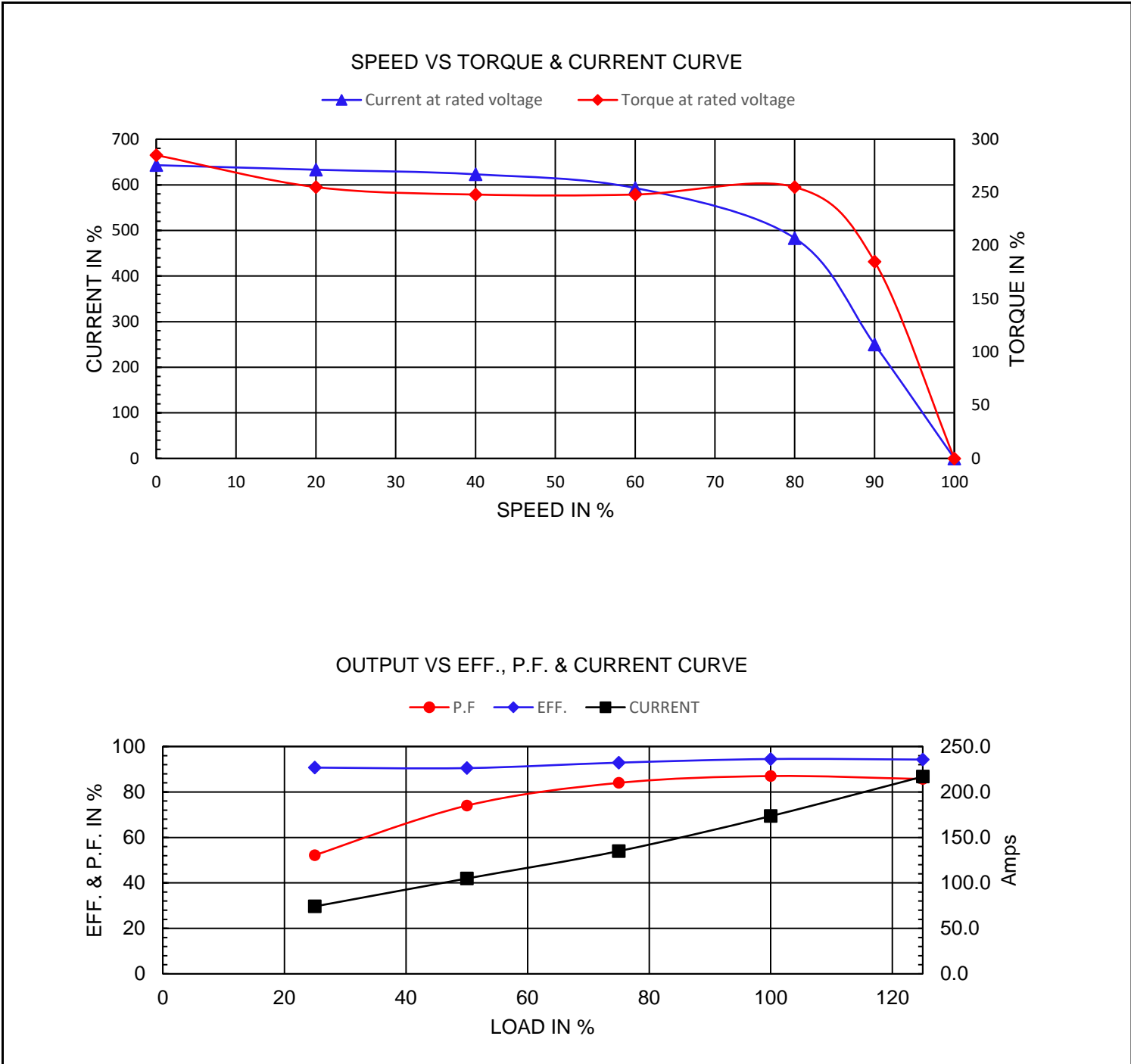
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Motor Type	PEWWE		FL Speed	1135	
Output Rating (HP)	150		LRT (%FLT)	285	460 volt FLA 173.50
Full Load Torque	683.1 lb.ft		BDT (%FLT)	185	230 volt FLA 347.00
Rotor Wk <sup>2</sup>	63.9524 lb-ft <sup>2</sup>				



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

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

<b>Model</b>	OW150-12-449T				
<b>HP</b>	150	<b>RPM</b>	1135	<b>IP</b>	IP55
<b>Hz</b>	60 Hz	<b>Hz</b>	50Hz	<b>Frame</b>	449T
<b>Voltage</b>	230/460/796	<b>Volts</b>	200/400/693	<b>Encl</b>	TEFC
<b>230V FLA</b>	347.00	<b>200V FLA</b>	399.00	<b>Ins Cl</b>	F
<b>460V FLA</b>	173.50	<b>400V FLA</b>	199.50	<b>Design</b>	D
<b>796V FLA</b>	100.00	<b>693V FLA</b>	199.50	<b>Code</b>	F
<b>S.F.</b>	1.15	<b>S.F.</b>	1.00	<b>WT</b>	2064 lbs.
<b>Max. Amb</b>	40°C	<b>Duty</b>	S1 / Continuous	<b>Nom.Eff.</b>	94.5%
<b>LRT/FLT</b>	285%	<b>P.F.</b>	0.87	<b>DE Brng</b>	NU320 C3
		<b>ODE Brng</b>	6316 C3		