

DATA SHEET

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

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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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, IEEE45

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

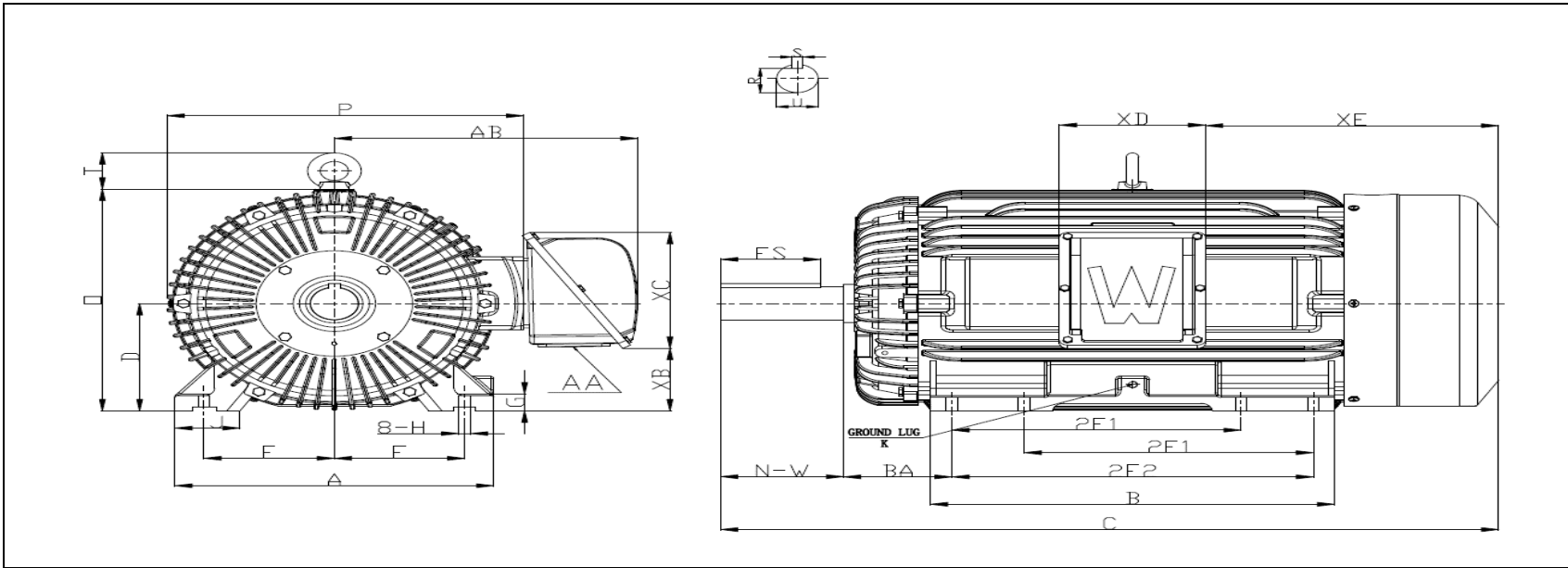
ADDITIONAL DATA

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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OW150-12-449T

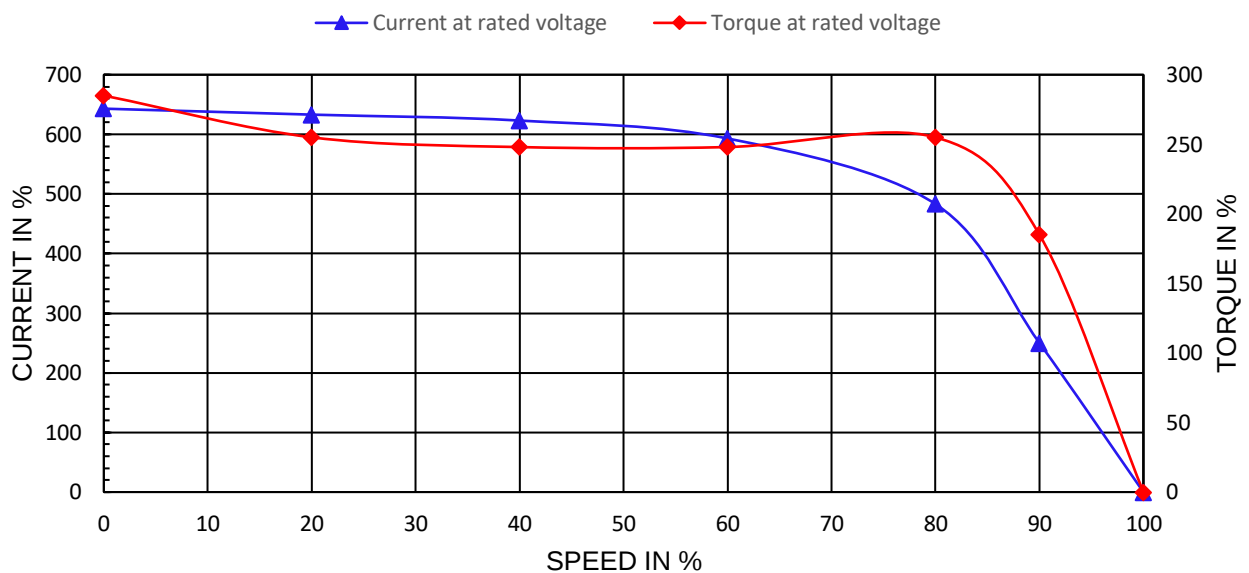
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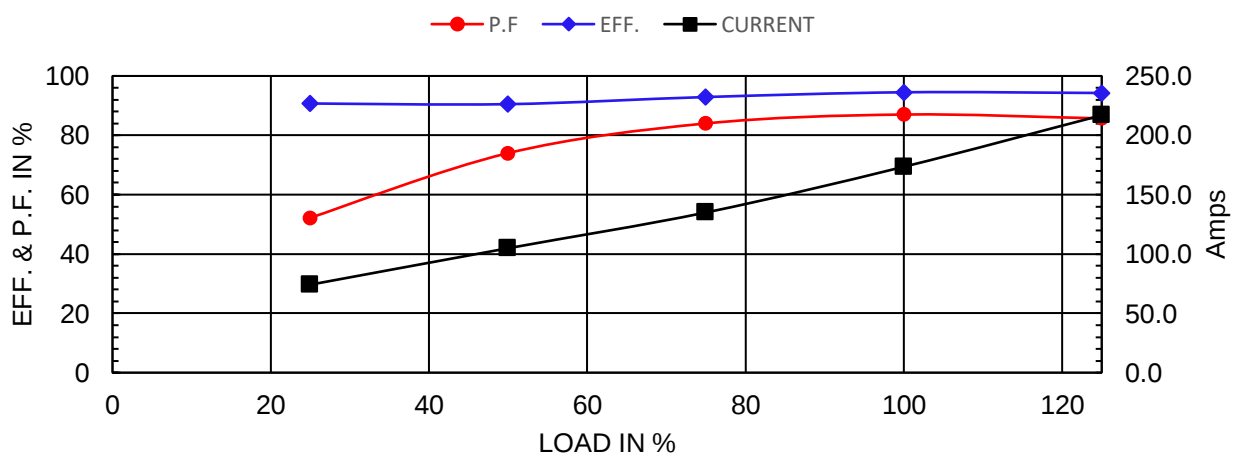
Customer:

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

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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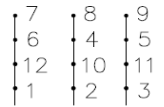
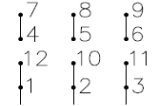
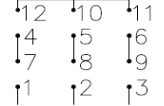
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SAMPLE NAMEPLATE DATA

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