

DATA SHEET

Premium Efficiency Motor: **OW7.5-12-254T**,

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	7.5
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460/796
Frame Size	254T
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	H
Duty Cycle	S1 / Continuous
Slip	5.42%
NEMA Design	D
Moment of Inertia	1.517 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	75 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%	85.0 %	0.76
75%	85.3 %	0.69
50%	83.6 %	0.57

TORQUE

FULL LOAD	LRT	BDT	PUT
34 lb.ft.	442 %	205 %	309 %

AMPERAGE INFORMATION

	230V	460V	796V
Full Load Amps	21.40	10.70	6.20
Locked Rotor Amps	131.00	65.50	37.82
No Load Current	10.20	5.10	2.94

BEARING INFORMATION

DE Bearing	6309 C3
ODE Bearing	6307 C3
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	2400 Hours
Grease Quantity	13g/8g

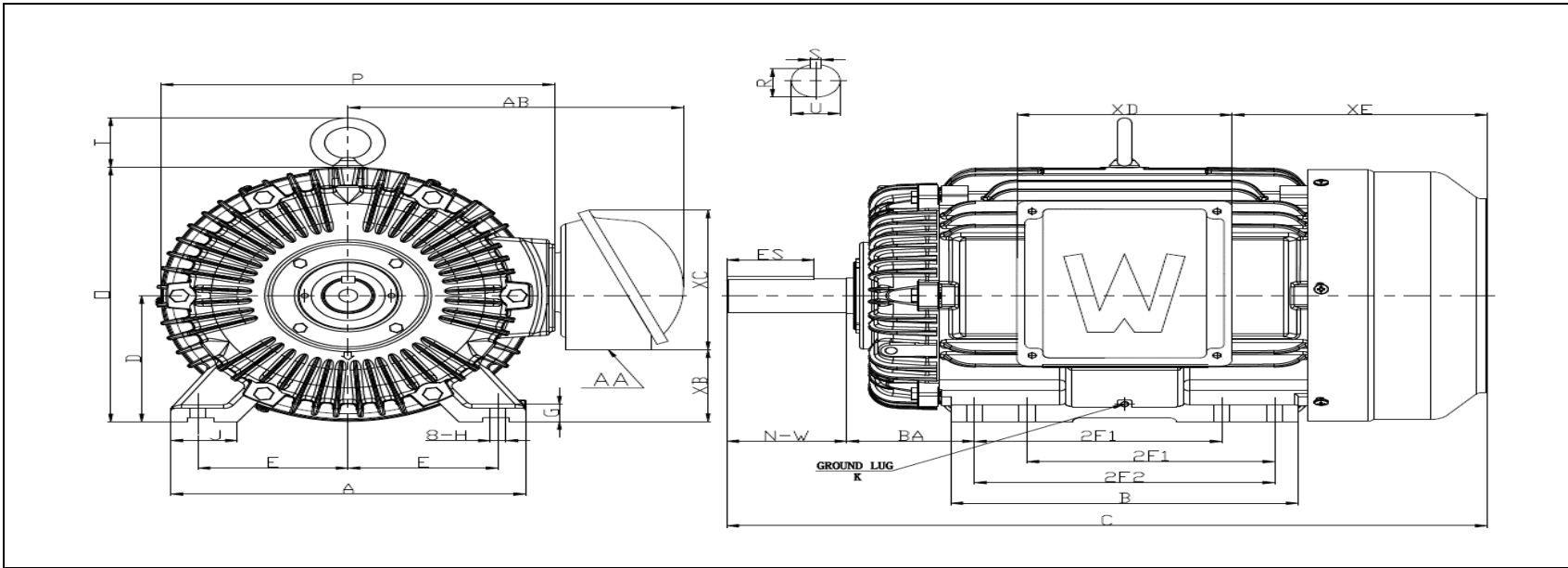
ADDITIONAL DATA

F2 Suitable	YES
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	251 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										
5	8.25	10	0.53	4.25	11.8	11.57	25.39	6.25	0.669	2.038	13.46	12.68	2.03	10.57

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.375	2.91	1.416	4	N/A	1.625

TERMINAL BOX				
AA	XB	XC	XD	XE
1-1/2	2.86	7.2	5.8	8.1

GROUND LUG
K
M8

PERFORMANCE CURVES

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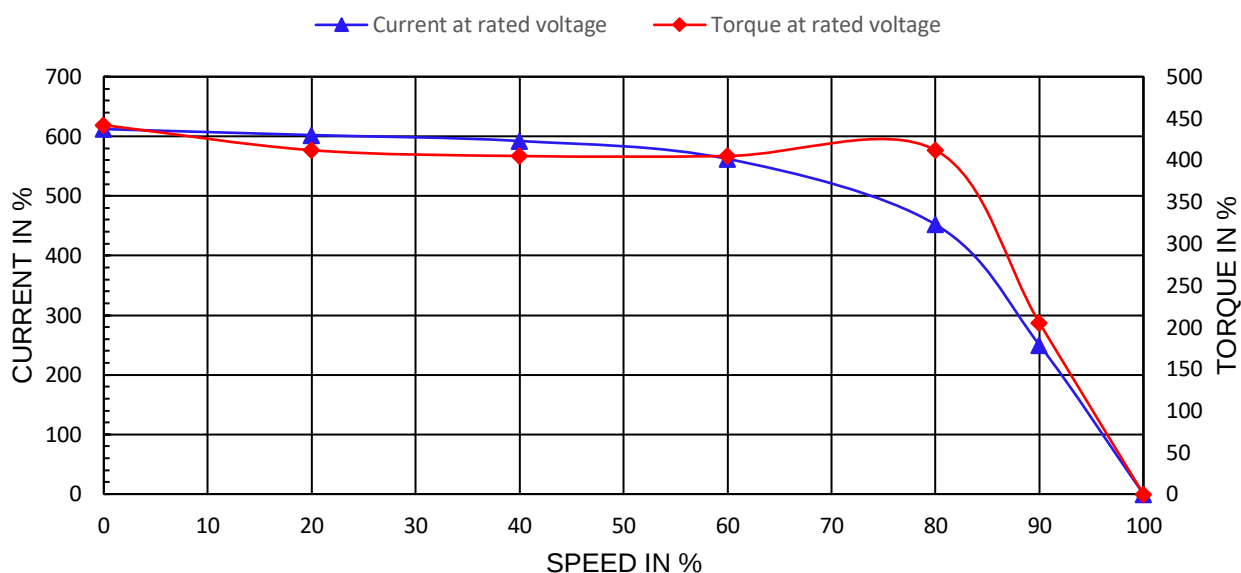
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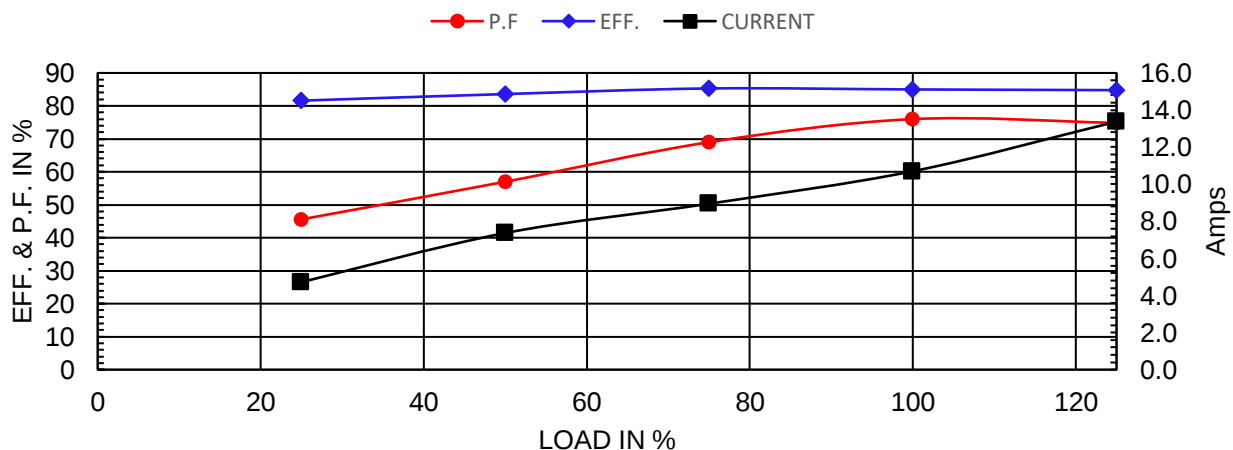
Customer:

Motor Type	PEWWE		FL Speed	1135	
Output Rating (HP)	7.5		LRT (%FLT)	442	
Full Load Torque	34	lb.ft	460 volt FLA	10.70	
Rotor Wk^2	1.517	lb-ft^2	230 volt FLA	21.40	
			BDT (%FLT)	205	

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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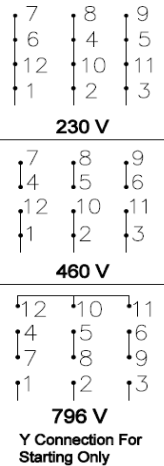
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SAMPLE NAMEPLATE DATA

 OIL WELL PUMPING 3 PHASE INDUSTRIAL ELECTRIC MOTOR  						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	OW7.5-12-254T						
HP	7.5	RPM	1135	IP	IP55	Frame	254T
Hz	60 Hz	Hz	50Hz	Encl	TEFC		
Voltage	230/460/796	Volts	200/400/693	Ins Cl	F		
230V FLA	21.40	200V FLA	24.20	Design	D		
460V FLA	10.70	400V FLA	12.10	Code	H		
796V FLA	6.20	693V FLA	12.10	WT	251 lbs.		
S.F.	1.15	S.F.	1.00	Duty	S1 / Continuous		
Max. Amb.	40°C			Nom.Eff.	85.0%		
LRT/FLT	442%			P.F.	0.76		
				DE Brng	6309 C3		
				ODE Brng	6307 C3		