

DATA SHEET

Premium Efficiency Motor: **OW25-12-324T**,

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	25
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460/796
Frame Size	324T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	6
Full Load Speed	1138
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	R
Duty Cycle	S1 / Continuous
Slip	5.17%
NEMA Design	D
Moment of Inertia	6.7787 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	83 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%	90.3 %	0.75
75%	89.6 %	0.67
50%	87.6 %	0.54

TORQUE

FULL LOAD	LRT	BDT	PUT
114.5 lb.ft.	285 %	205 %	302 %

AMPERAGE INFORMATION

	230V	460V	796V
Full Load Amps	69.20	34.60	20.00
Locked Rotor Amps	476.20	238.10	137.47
No Load Current	29.80	14.90	8.60

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

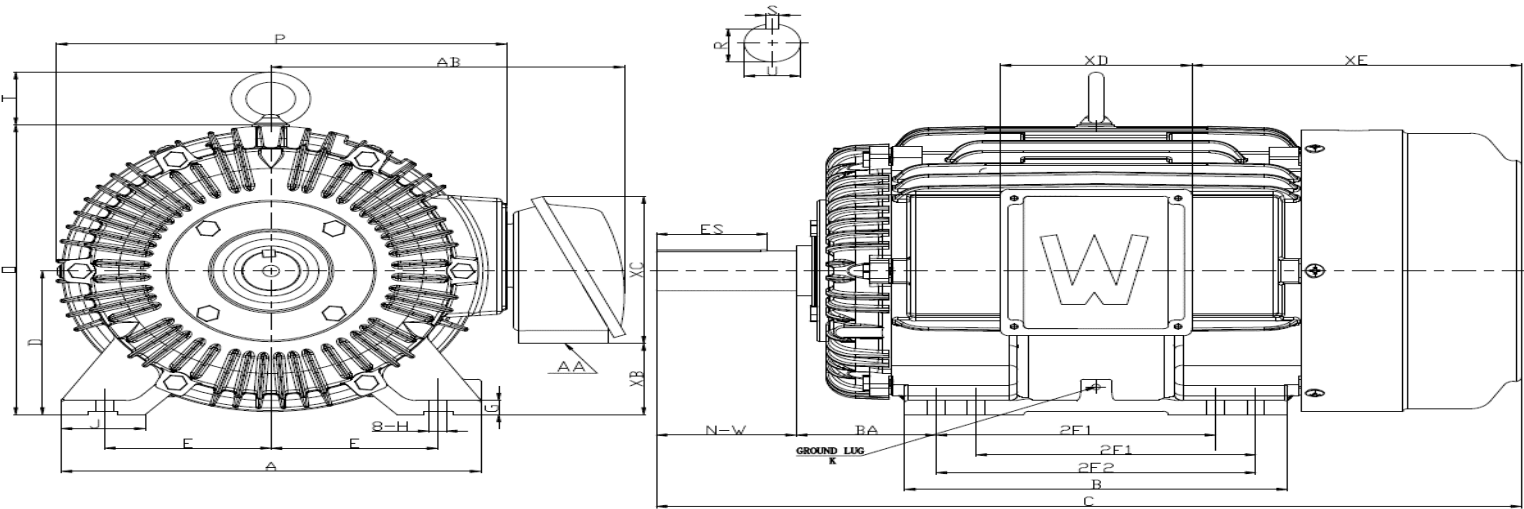
ADDITIONAL DATA

F2 Suitable	YES
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	550 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										
6.25	10.5	12	0.66	5.25	15.75	14.37	32.67	8	0.984	3.15	16.3	16.13	2.42	12.8

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.5	3.91	1.845	5.25	N/A	2.125

TERMINAL BOX				
AA	XB	XC	XD	XE
2	4.15	8.32	6.85	12.1

GROUND LUG
K
M8

PERFORMANCE CURVES

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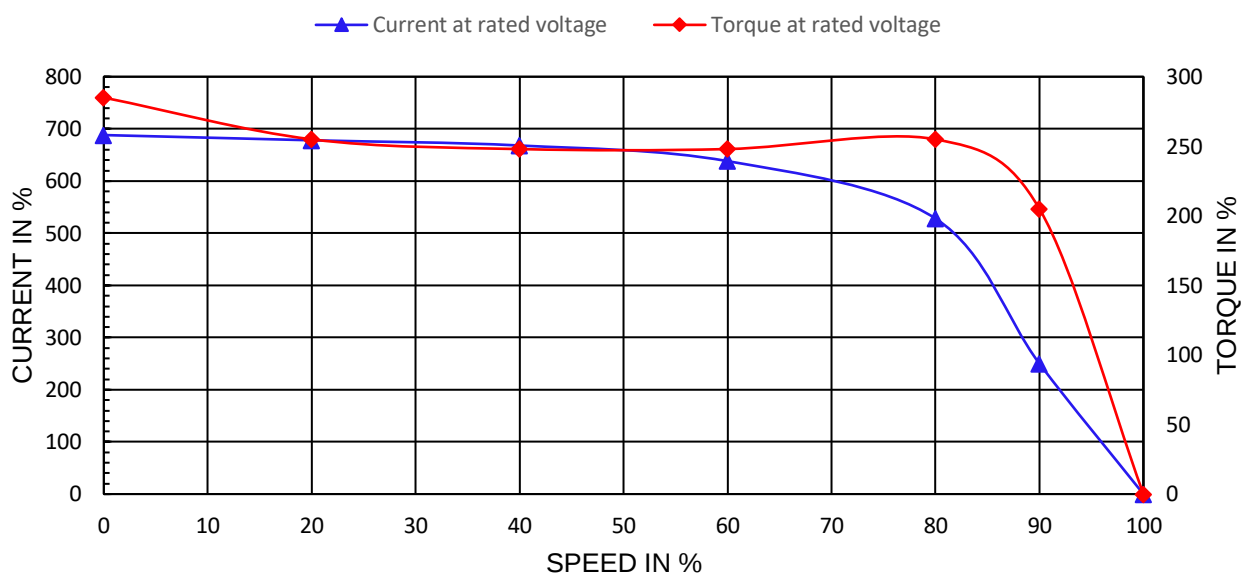
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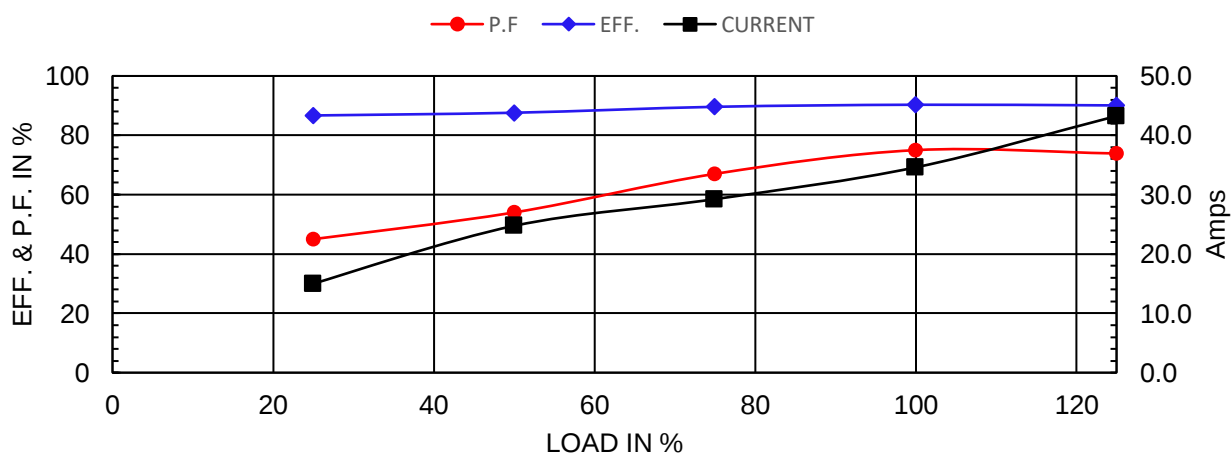
Customer:

Motor Type	PEWWE		FL Speed	1138	
Output Rating (HP)	25		LRT (%FLT)	285	
Full Load Torque	114.5	lb.ft	460 volt FLA	34.60	
Rotor Wk^2	6.7787	lb-ft^2	230 volt FLA	69.20	
			BDT (%FLT)	205	

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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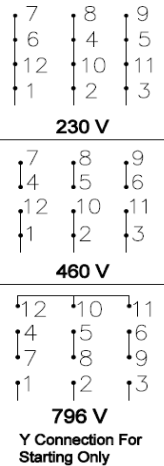
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SAMPLE NAMEPLATE DATA

 OIL WELL PUMPING 3 PHASE INDUSTRIAL ELECTRIC MOTOR  						 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	OW25-12-324T				
HP	25	RPM	1138	IP	IP55
Hz	60 Hz	Hz	50Hz	Frame	324T
Voltage	230/460/796	Volts	200/400/693	Encl	TEFC
230V FLA	69.20	200V FLA	75.00	Ins Cl	F
460V FLA	34.60	400V FLA	37.50	Design	D
796V FLA	20.00	693V FLA	37.50	Code	R
S.F.	1.15	S.F.	1.00	WT	550 lbs.
Max. Amb.	40°C			Duty	S1 / Continuous
LRT/FLT	285%			Nom.Eff.	90.3%
				P.F.	0.75
				DE Brng	6314 C3
				ODE Brng	6212 C3