

DATA SHEET

Premium Efficiency Motor: **OW5-12-215T,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	5
RPM	1200
Phase	3
Frequency	60 Hz
Voltage	230/460/796
Frame Size	215T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	6
Full Load Speed	1128
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	J
Duty Cycle	S1 / Continuous
Slip	6.00%
NEMA Design	D
Moment of Inertia	0.7035 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	71 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%	87.5 %	0.71
75%	88.4 %	0.66
50%	86.8 %	0.55

TORQUE

FULL LOAD	LRT	BDT	PUT
23.1 lb.ft.	279 %	215 %	300 %

AMPERAGE INFORMATION

	230V	460V	796V
Full Load Amps	14.90	7.50	4.30
Locked Rotor Amps	84.80	42.40	24.48
No Load Current	6.60	3.30	1.91

BEARING INFORMATION

DE Bearing	6308 C3
ODE Bearing	6306 C3
Grease Type	NSK SN7
DE Regreasing Interval	-- Hours
ODE Regreasing Interval	-- Hours
Grease Quantity	--

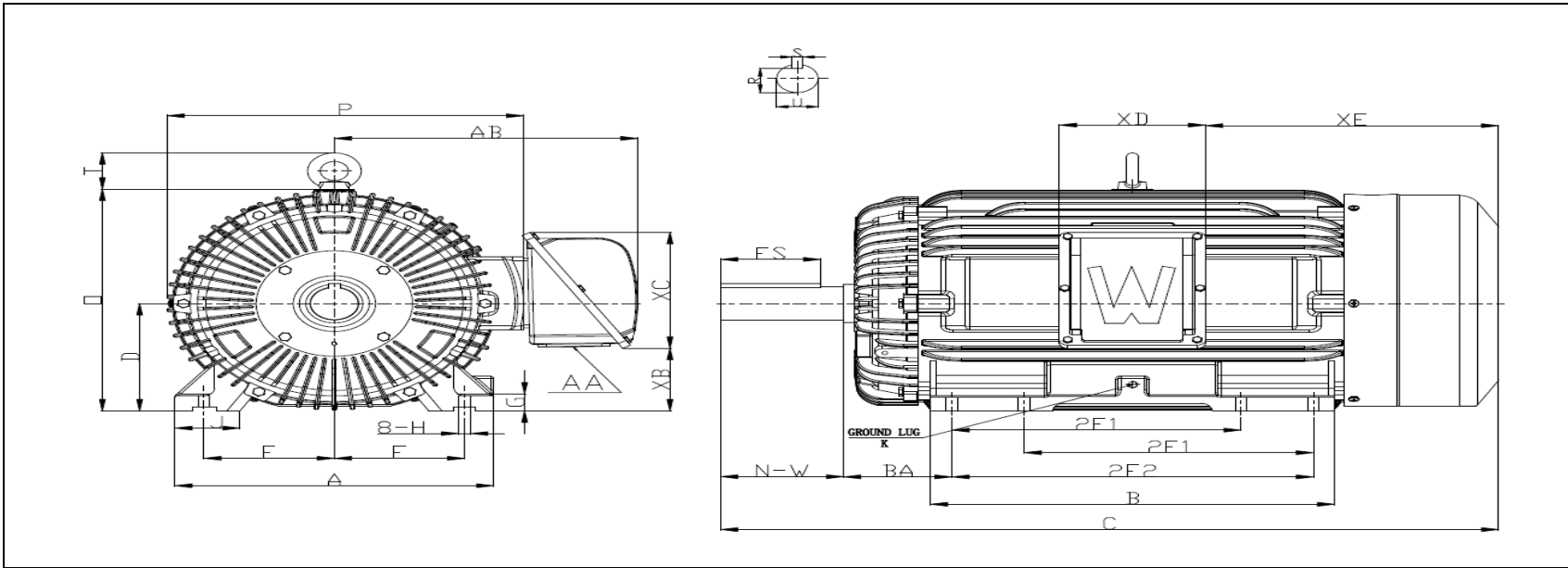
ADDITIONAL DATA

F2 Suitable	YES
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	158 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										
4.25	5.5	7	0.43	3.5	9.88	8.405	20.27	5.25	0.708	1.91	10.8	10.53	1.72	9.8

SHAFT & KEY					
S	ES	R	N-W	AH	U
0.31	2.41	1.201	3.38	0	1.375

TERMINAL BOX				
AA	XB	XC	XD	XE
1-1/2	2.25	7.2	5.8	5.9

GROUND LUG
K
M5

PERFORMANCE CURVES

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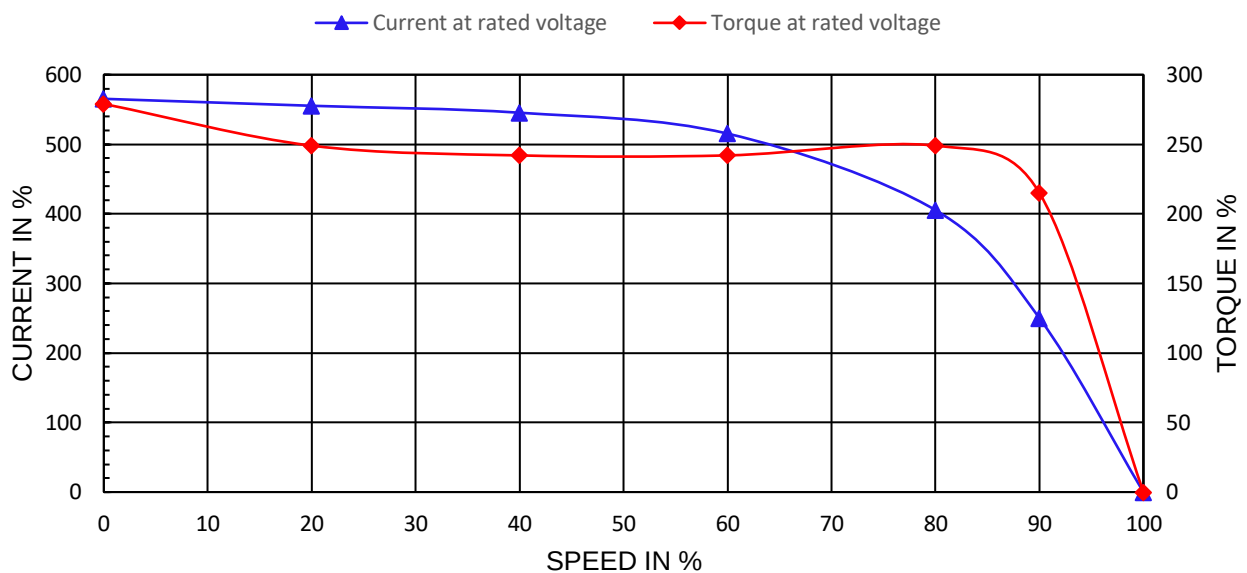
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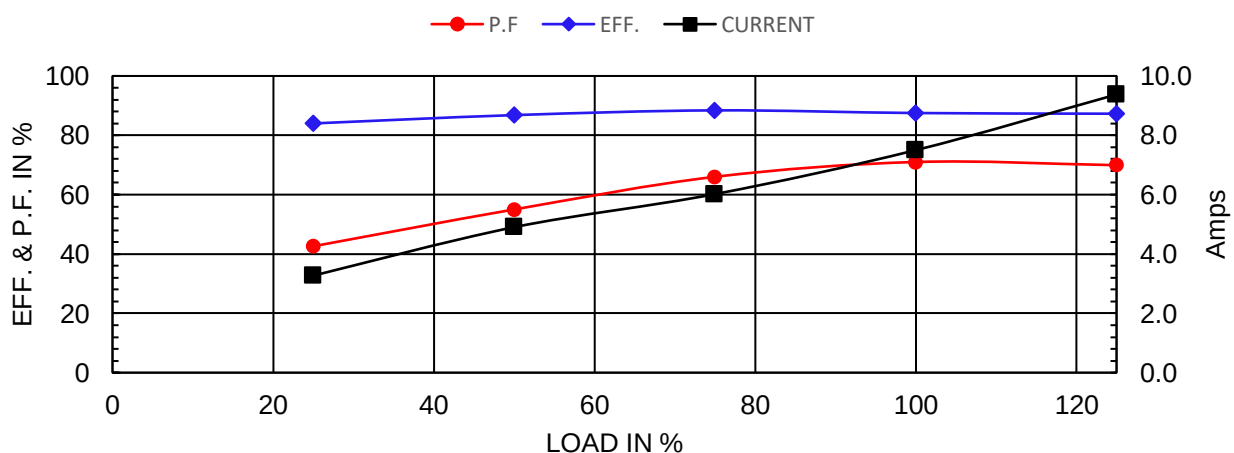
Customer:

Motor Type	PEWWE		FL Speed	1128	
Output Rating (HP)	5		LRT (%FLT)	279	
Full Load Torque	23.1	lb.ft	460 volt FLA	7.50	
Rotor Wk^2	0.7035	lb-ft^2	230 volt FLA	14.90	
			BDT (%FLT)	215	

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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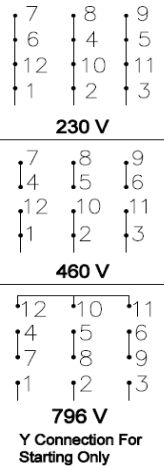
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SAMPLE NAMEPLATE DATA

 OIL WELL PUMPING 3 PHASE INDUSTRIAL ELECTRIC MOTOR  						
Model :		SN :		Code :		 230 V 460 V 796 V Y Connection For Starting Only
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 :	Made in China
 WorldWide Electric Corporation						

Model	OW5-12-215T	RPM	1128	IP	IP55	Frame	215T
HP	5	Hz	60 Hz	Hz	50Hz	Encl	TEFC
Voltage	230/460/796	Volts	200/400/693	Ins Cl	F	Design	D
230V FLA	14.90	200V FLA	15.80	Code	J	WT	158 lbs.
460V FLA	7.50	400V FLA	7.90	Duty	S1 / Continuous	Nom.Eff.	87.5%
796V FLA	4.30	693V FLA	7.90	P.F.	0.71	DE Brng	6308 C3
S.F.	1.15	S.F.	1.00	ODE Brng	6306 C3		
Max. Amb.	40°C						
LRT/FLT	279%						