

DATA SHEET

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **OW3-9-215T**

60 Hz

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Customer:

MOTOR INFORMATION	
HP	3
RPM	900
Phase	3
Frequency	60 Hz
Voltage	230/460/796
Frame Size	215T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.15
Poles	8
Full Load Speed	855
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	K
Duty Cycle	S1 / Continuous
Slip	5.06%
NEMA Design	D
Moment of Inertia	0.6395 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	72 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%	84.0 %	0.67
75%	84.1 %	0.59
50%	82.2 %	0.46

TORQUE			
FULL LOAD	LRT	BDT	PUT
18.1 lb.ft.	280 %	210 %	295 %

AMPERAGE INFORMATION			
	230V	460V	796V
Full Load Amps	9.80	4.90	2.80
Locked Rotor Amps	61.20	30.60	17.67
No Load Current	6.00	3.00	1.73

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	152.3 lbs.
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3B in accordance with NEC

PERFORMANCE CURVES

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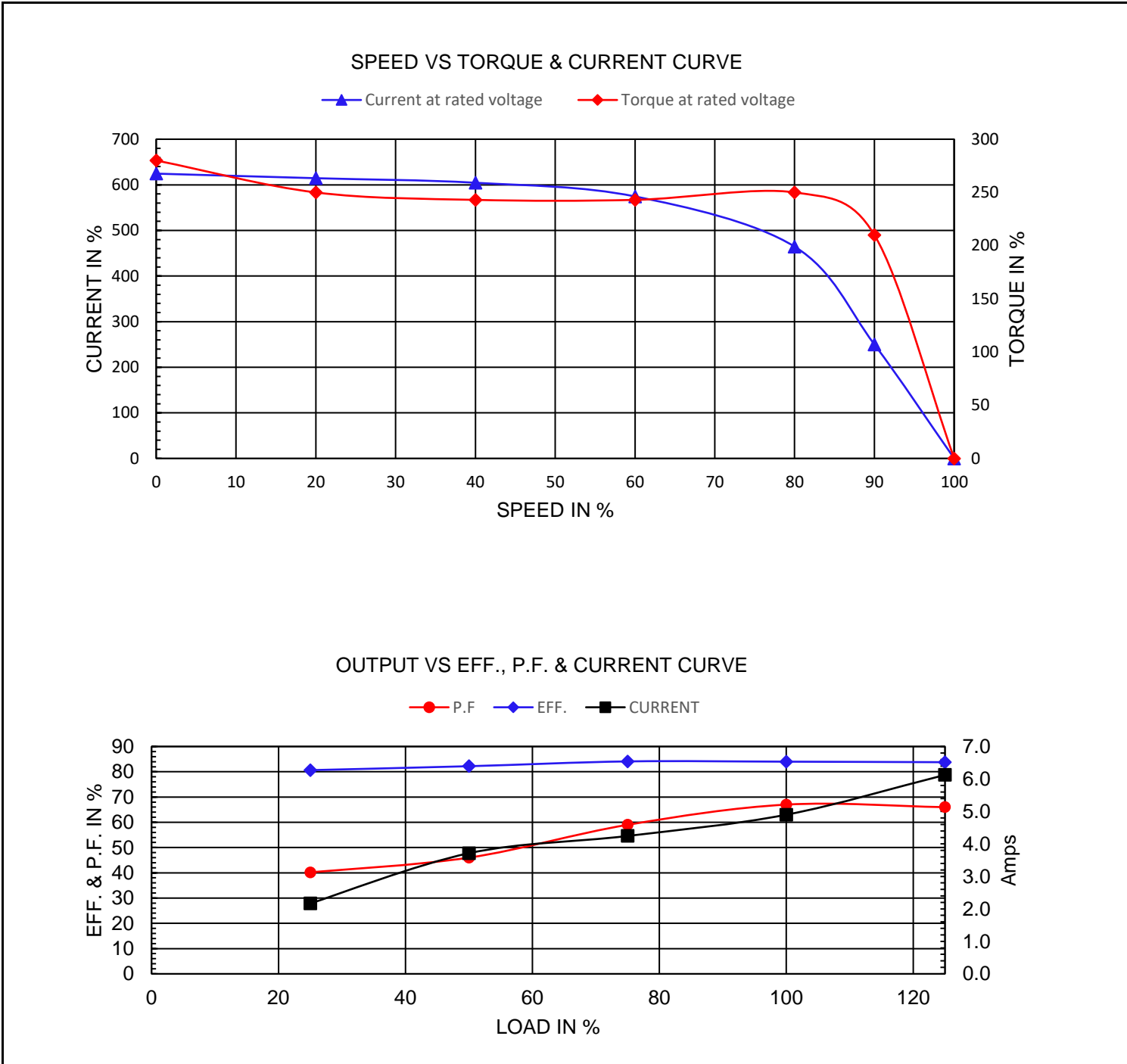
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Motor Type	PEWWE			FL Speed	854.5		
Output Rating (HP)	3			LRT (%FLT)	280	460 volt FLA	4.90
Full Load Torque	18.1	lb.ft		BDT (%FLT)	210	230 volt FLA	9.80
Rotor Wk^2	0.6395	lb-ft^2					



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

OIL WELL PUMPING 3 PHASE INDUSTRIAL ELECTRIC MOTOR					
Model :		SN :		Code :	<p style="text-align: center;">230 V</p> <p style="text-align: center;">460 V</p> <p style="text-align: center;">796 V Y Connection For Starting Only</p>
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

Model	OW3-9-215T				
HP	3	RPM	854.5	IP	IP55
Hz	60 Hz	Hz	50Hz	Frame	215T
Voltage	230/460/796	Volts	200/400/693	Encl	TEFC
230V FLA	9.80	200V FLA	11.80	Ins Cl	F
460V FLA	4.90	400V FLA	5.90	Design	D
796V FLA	2.80	693V FLA	5.90	Code	K
S.F.	1.15	S.F.	1.00	WT	152.3 lbs.
Max. Amb	40°C	Duty	S1 / Continuous	Nom.Eff.	84.0%
LRT/FLT	280%	P.F.	0.67	DE Brng	6308 C3
		ODE Brng	6306 C3		