

DATA SHEET

Premium Efficiency Motor: **OW50-9-405T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	50
RPM	900
Phase	3
Frequency	60 Hz
Voltage	230/460/796
Frame Size	405T
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	G
Duty Cycle	S1 / Continuous
Slip	5.06%
NEMA Design	D
Moment of Inertia	26.046 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	89 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%	91.5 %	0.79
75%	91.7 %	0.75
50%	90.9 %	0.65

TORQUE			
FULL LOAD	LRT	BDT	PUT
303.7 lb.ft.	320 %	195 %	305 %

AMPERAGE INFORMATION			
	230V	460V	796V
Full Load Amps	128.40	64.20	37.10
Locked Rotor Amps	585.20	292.60	168.94
No Load Current	57.00	28.50	16.45

BEARING INFORMATION	
DE Bearing	NU316 C3
ODE Bearing	6313 C3
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	2400 Hours
Grease Quantity	33g/23g

ADDITIONAL DATA	
F2 Suitable	YES
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	1107 lbs.
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3B in accordance with NEC

PERFORMANCE CURVES

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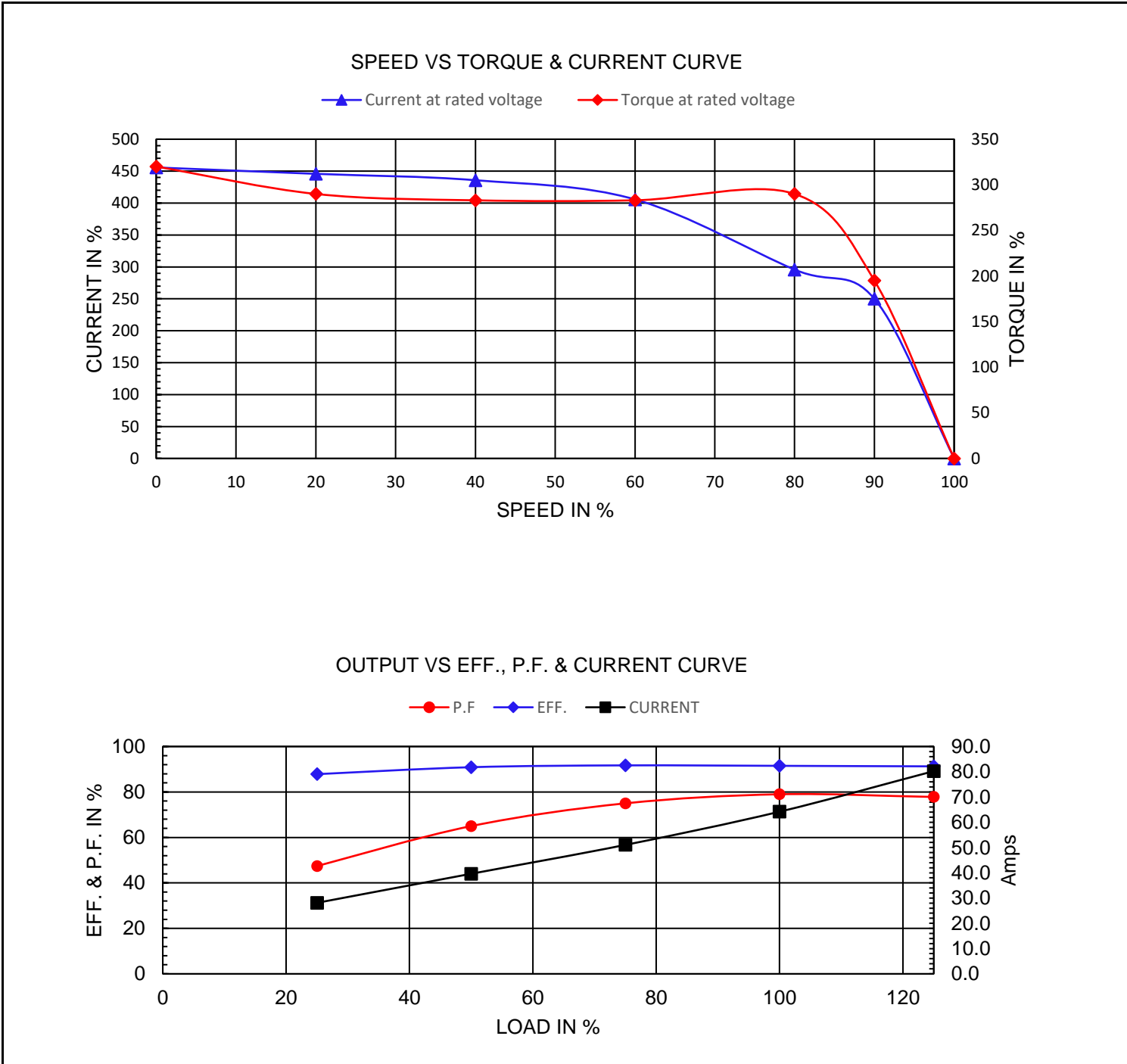
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Motor Type	PEWWE		FL Speed	854.5	460 volt FLA	64.20
Output Rating (HP)	50		LRT (%FLT)	320	230 volt FLA	128.40
Full Load Torque	303.7	lb.ft	BDT (%FLT)	195		
Rotor Wk^2	26.046	lb-ft^2				



NAMEPLATE / WIRING

Premium Efficiency Motor: **OW50-9-405T**

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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	OW50-9-405T						
HP	50	RPM	854.5	IP	IP55	Frame	405T
Hz	60 Hz	Hz	50Hz	Encl	TEFC		
Voltage	230/460/796	Volts	200/400/693	Ins Cl	F		
230V FLA	128.40	200V FLA	154.00	Design	D		
460V FLA	64.20	400V FLA	77.00	Code	G		
796V FLA	37.10	693V FLA	77.00	WT	1107 lbs.		
S.F.	1.15	S.F.	1.00	Duty	S1 / Continuous		
Max. Amb	40°C	Nom.Eff.	91.5%	P.F.	0.79		
LRT/FLT	320%	DE Brng	NU316 C3	ODE Brng	6313 C3		