

DATA SHEET

Premium Efficiency Motor: **OW10-9-284T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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MOTOR INFORMATION

HP	10
RPM	900
Phase	3
Frequency	60 Hz
Voltage	230/460/796
Frame Size	284T
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	5.1418 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	80 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%	87.0 %	0.65
75%	86.1 %	0.57
50%	83.1 %	0.46

TORQUE

FULL LOAD	LRT	BDT	PUT
61.9 lb.ft.	389 %	200 %	363 %

AMPERAGE INFORMATION

	230V	460V	796V
Full Load Amps	33.40	16.70	9.60
Locked Rotor Amps	211.20	105.60	60.97
No Load Current	16.20	8.10	4.68

BEARING INFORMATION

DE Bearing	6311 C3
ODE Bearing	6310 C3
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	2400 Hours
Grease Quantity	17g/15g

ADDITIONAL DATA

F2 Suitable	YES
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	409.5 lbs.
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3B in accordance with NEC

PERFORMANCE CURVES

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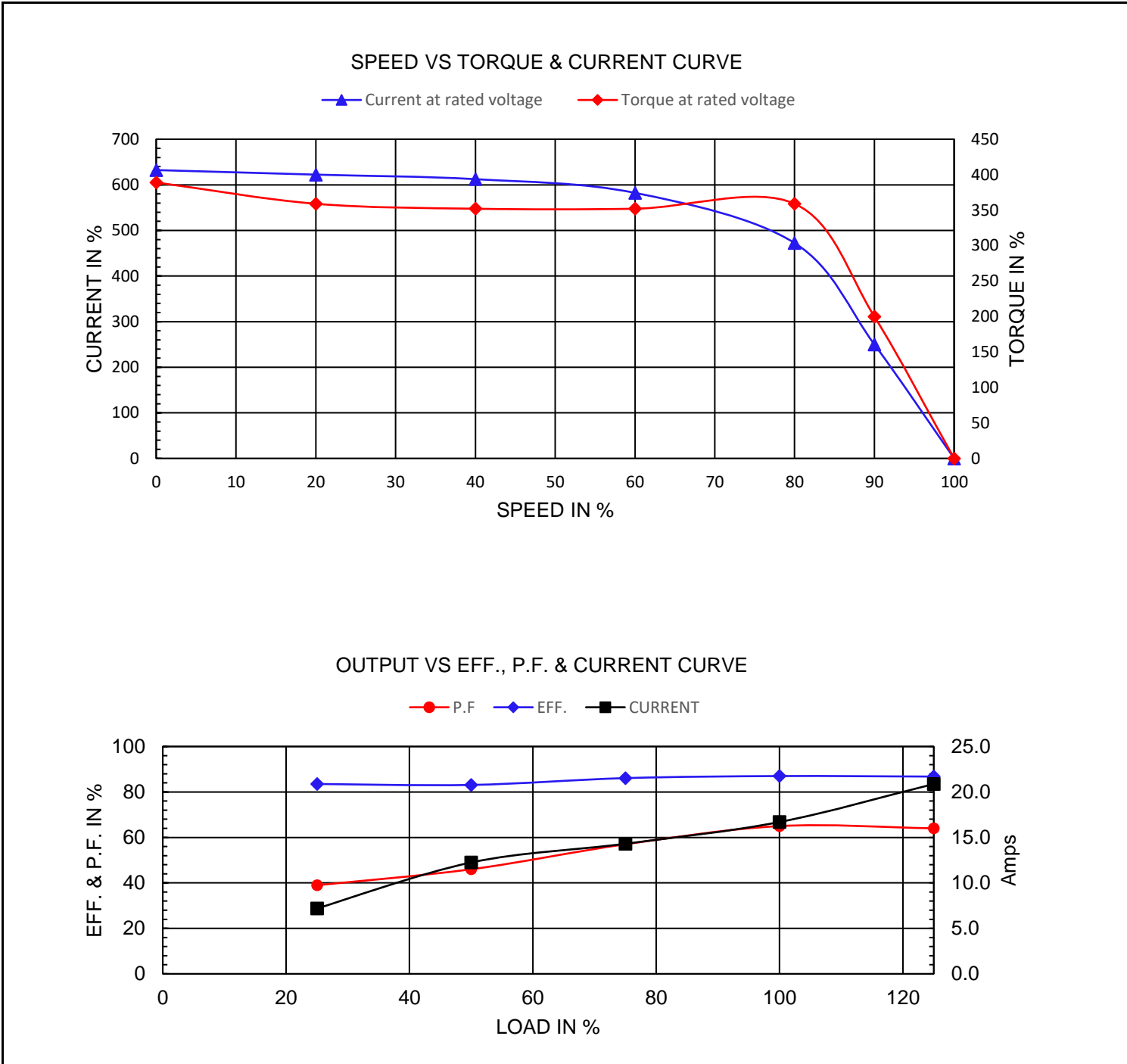
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Motor Type	PEWWE		FL Speed	854.5		
Output Rating (HP)	10		LRT (%FLT)	389	460 volt FLA	16.70
Full Load Torque	61.9	lb.ft	BDT (%FLT)	200	230 volt FLA	33.40
Rotor Wk^2	5.1418	lb-ft^2				



NAMEPLATE / WIRING

Premium Efficiency Motor: **OW10-9-284T**

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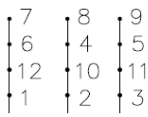
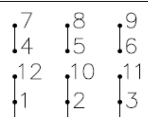
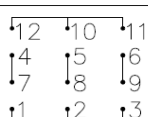

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SAMPLE NAMEPLATE DATA

 OIL WELL PUMPING 3 PHASE INDUSTRIAL ELECTRIC MOTOR  						
Model :	SN :		Code :	 <p>230 V</p>  <p>460 V</p>  <p>796 V Y Connection For Starting Only</p>	Made in China	
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	OW10-9-284T				
HP	10	RPM	854.5	IP	IP55
Hz	60 Hz	Hz	50Hz	Frame	284T
Voltage	230/460/796	Volts	200/400/693	Encl	TEFC
230V FLA	33.40	200V FLA	40.00	Ins Cl	F
460V FLA	16.70	400V FLA	20.00	Design	D
796V FLA	9.60	693V FLA	20.00	Code	K
S.F.	1.15	S.F.	1.00	WT	409.5 lbs.
Max. Amb	40°C	Duty	S1 / Continuous	Nom.Eff.	87.0%
LRT/FLT	389%	P.F.	0.65	DE Brng	6311 C3
		ODE Brng	6310 C3		