

DATA SHEET

Premium Efficiency Motor: **ODP7.5-36-184T,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	7.5
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	182/4T
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	2
Full Load Speed	3499
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	2.80%
NEMA Design	B
Moment of Inertia	0.21 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	62 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	F1
Rotation	Bi-Directional
Area of Classification	Safe Area
Inverter Rating	10:1 CT / 20:1 VT
Standard	NEMA MG 1
Approvals	UL, CE

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	88.5 %	0.89
75%	89.9 %	0.87
50%	89.4 %	0.8

TORQUE

FULL LOAD	LRT	BDT
11.02 lb.ft.	301 %	381 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	17.4A	8.7A
Locked Rotor Amps	132.26A	66.13A
No Load Current	4.86A	2.43A
Usable at 208V	4.2A	

BEARING INFORMATION

DE Bearing	6306ZZ
ODE Bearing	6305ZZ
Grease Type	NSK SN7
DE Regreasing Interval	-- Hours
ODE Regreasing Interval	-- Hours
Grease Quantity	--

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	AISI 1045
Connection Diagram	9 Lead Wye
Approximate Weight	78.1 lbs.

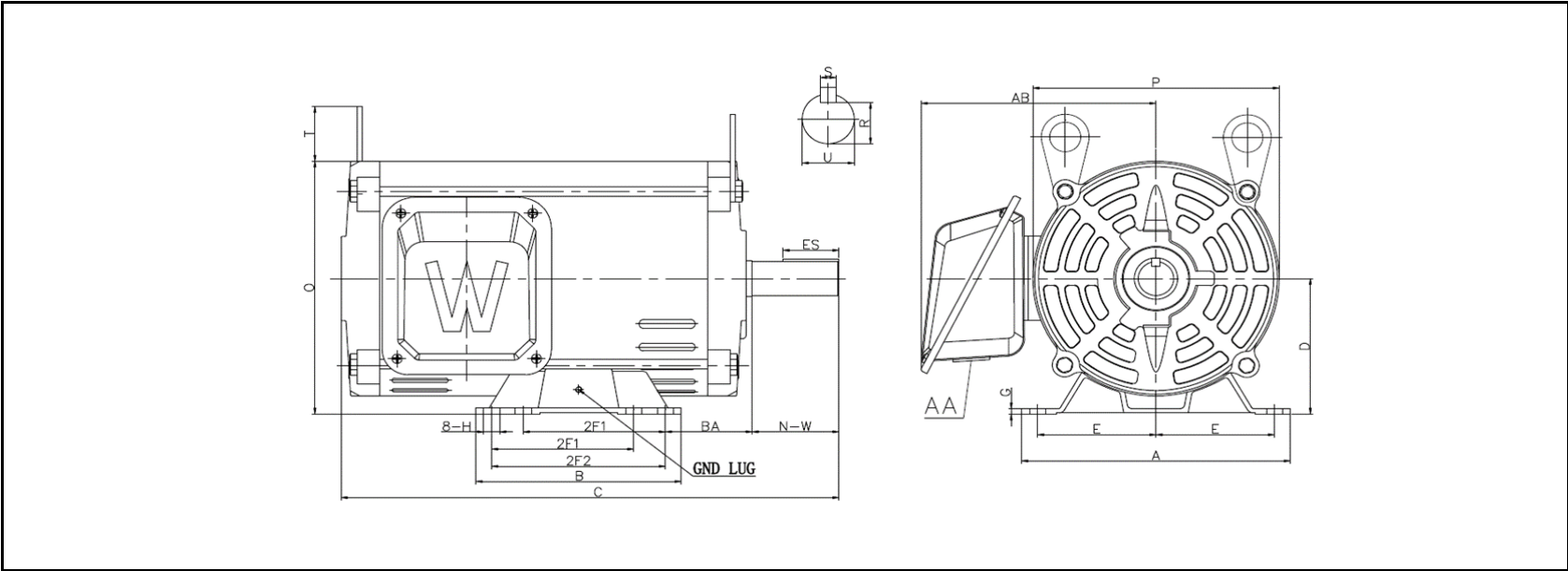
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
3.75	4.5	5.5	0.41	2.75	8.5	6.495	16.4	4.5	0.41	7.72	8.36	1.6	7.55

SHAFT & KEY				
S	ES	R	N-W	U
0.25	1.78	0.986	2.75	1.125

T-BOX	GND LUG
AA	
1.09	M5*P0.8

PERFORMANCE CURVES

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Premium Efficiency Motor:

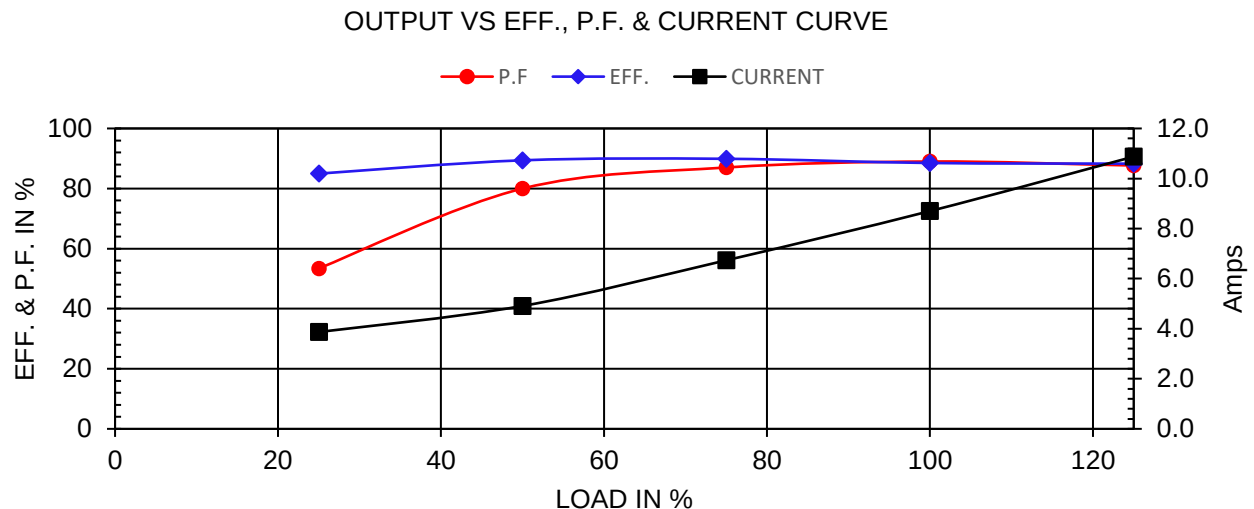
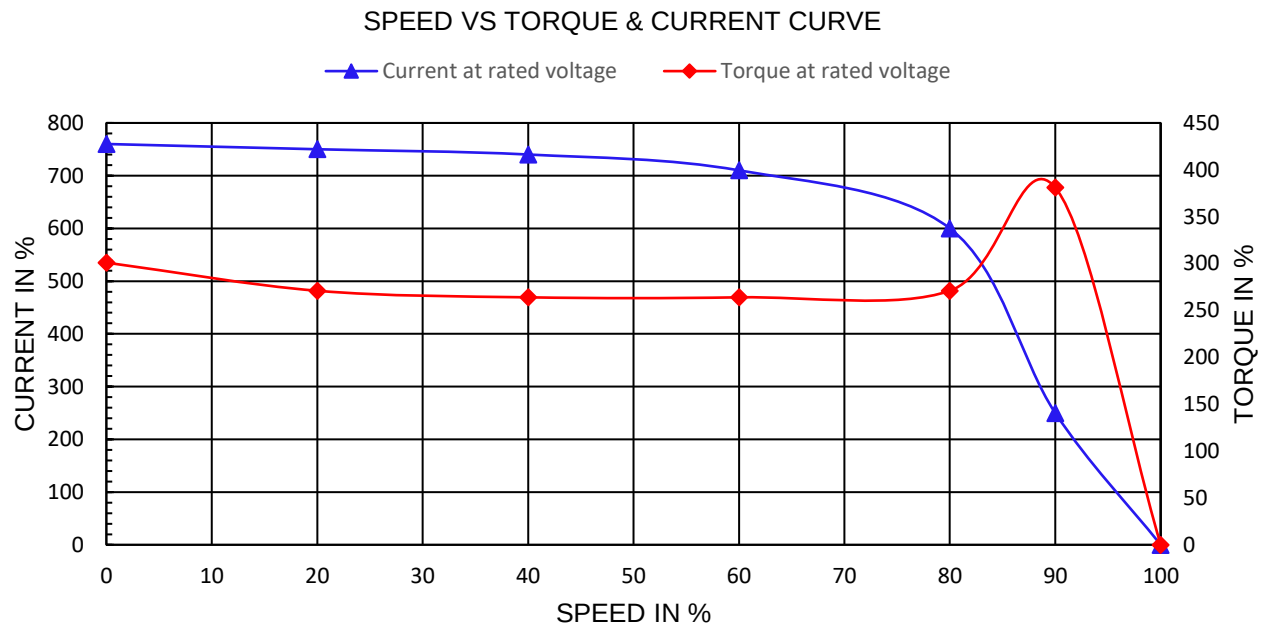
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Motor Type	ODP						
Output Rating (HP)	7.5			FL Speed	3499		
Full Load Torque	11.02	lb.ft		LRT (%FLT)	301	460 volt FLA	8.7
Rotor Wk^2	0.885	lb-ft^2		BDT (%FLT)	381	230 volt FLA	17.4



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		OPEN DRIP PROOF 3 PHASE MOTOR						
Model :		Encl : ODP		SN :		456		
HP :	Poles :	FR :	Ins : F	IP 23	Max Amb 40°C	Duty : Cont	789	
Hz: 60	CODE:		Hz: 50		Design: B		123	
Volts: 230/460	P.F.:		Volts: 190/380		DE BRG:		L1L2L3	
Amps:	Eff: %		Amps:		ODE BRG:		456	
RPM:	S.F. : 1.15		RPM:		WT: LBS		789	
						Date:		123
WorldWide Electric Corporation						L1L2L3		
						460 V		

Model: ODP7.5-36-184T		Encl: ODP							
HP:	7.5	Poles:	2	Frame	182/4T	Ins Cl:	F	IP	IP23
Hz:	60	Code:	H	Hz:	50	Design:	B		
Volts:	230/460	P.F.:	0.89	Volts:	190/380	DE Brg:	6306ZZ		
Amps:	17.4/8.7	Eff:	88.5%	Amps:	21/10.5	ODE Brg:	6305ZZ		
RPM:	3499	S.F.:	1.15	RPM:	2870	WT:	78.1 lbs.		
				S.F.:	1.0				