

# DATA SHEET

Premium Efficiency Motor: **ODP100-36-365TSC,**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 11-Dec-2023  
Document ID:

Customer:

MOTOR INFORMATION	
HP	100
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	364/5TSC
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	2
Full Load Speed	3562
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	F
Duty Cycle	S1 / Continuous
Slip	1.07%
NEMA Design	B
Moment of Inertia	7.508 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	87 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%	93.6 %	0.9
75%	95.3 %	0.89
50%	95.0 %	0.86

TORQUE		
FULL LOAD	LRT	BDT
148 lb.ft.	244 %	274 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	221.2A	110.6A
Locked Rotor Amps	1354.8A	677.4A
No Load Current	45.4A	22.7A
Usable at 208V	122.3A	

BEARING INFORMATION	
DE Bearing	6314
ODE Bearing	6212
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	26g/12g

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	AISI 1045
Connection Diagram	12 Lead Delta
Approximate Weight	812 lbs.

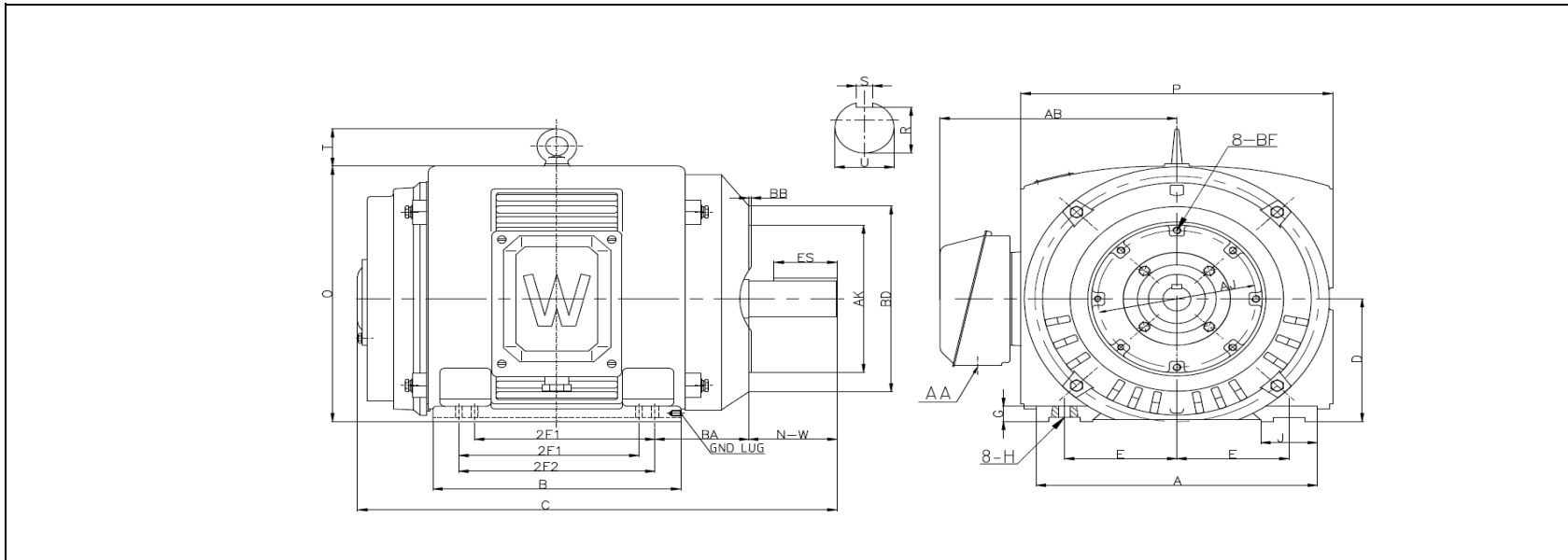
# MOTOR DRAWING

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## DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
7	11.25	12.25	0.66	5.88	17.6	15.51	28.8	9	1.1	19.48	18.5	2.7	14.8

SHAFT & KEY				
S	ES	R	N-W	U
0.5	2.03	1.591	3.75	1.875

T-BOX	GND LUG
AA	
3	M10*P1.5

FLANGE				
AK	BD	AJ	BF	BB
12.5	14	11	8*5/8-11 UNC	0.25

# PERFORMANCE CURVES

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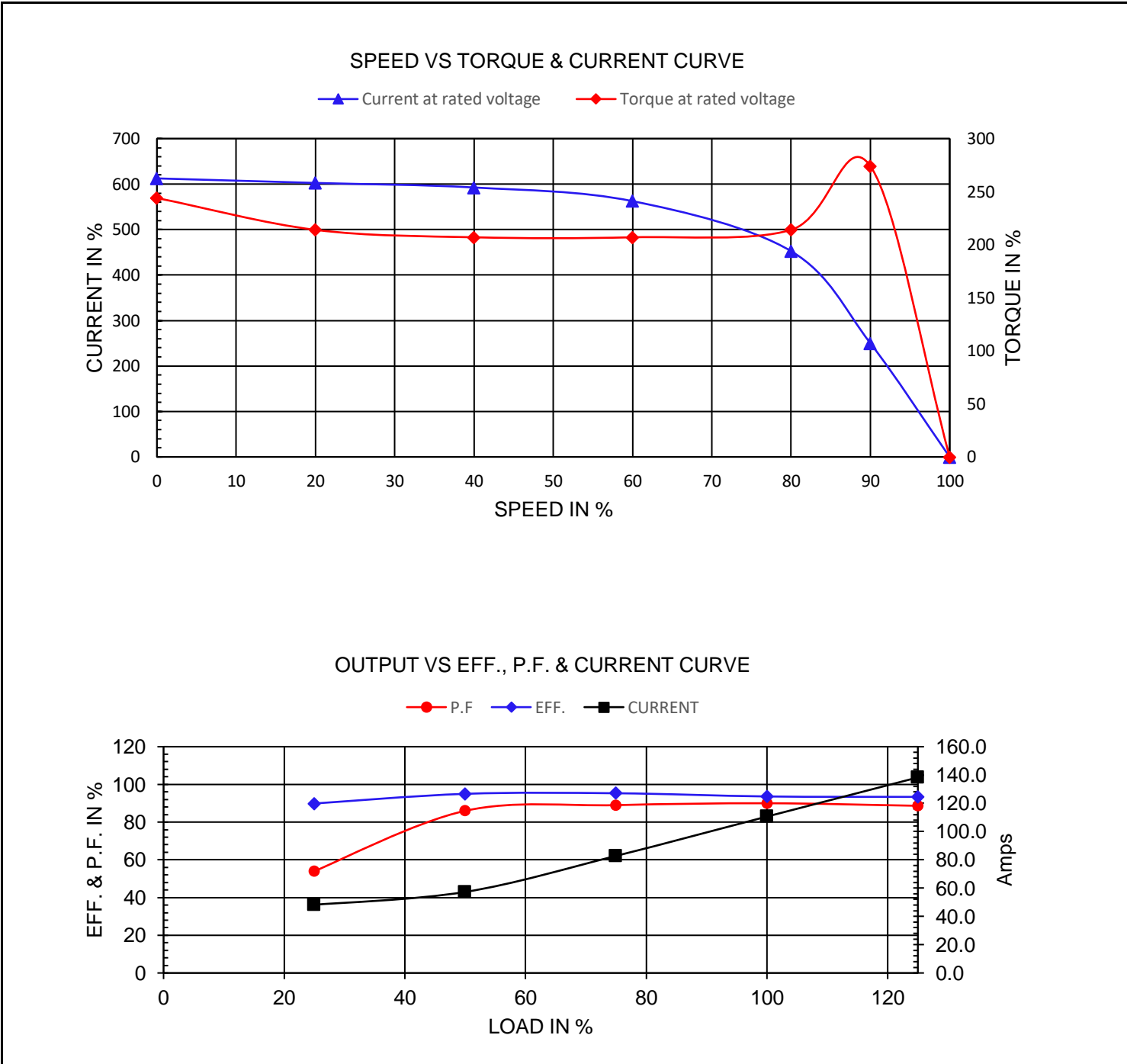


Premium Efficiency Motor:

**ODP100-36-365TSC**

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Motor Type	ODP			FL Speed	3562	460 volt FLA	110.6
Output Rating (HP)	100			LRT (%FLT)	244	230 volt FLA	221.2
Full Load Torque	148	lb.ft		BDT (%FLT)	274		
Rotor Wk <sup>2</sup>	0.936	lb-ft <sup>2</sup>					



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

		<b>OPEN DRIP PROOF 3 PHASE MOTOR</b>							
<b>CC306B</b>		<b>Model :</b>		<b>Encl : ODP</b>		<b>SN :</b>			
<b>HP :</b>	<b>Poles :</b>	<b>FR:</b>	<b>Ins : F</b>	<b>IP23</b>	<b>Max Amb 40°C</b>	<b>Duty:Cont</b>			
<b>Hz : 60</b>	<b>CODE :</b>		<b>Hz : 50</b>		<b>Design : B</b>		<b>L1 L2 L3</b>	<b>230 V</b>	
<b>Volts : 230/460</b>	<b>P.F. :</b>		<b>Volts : 190/380</b>		<b>DE BRG :</b>		<b>230 V</b>		
<b>Amps :</b>	<b>Eff : %</b>		<b>Amps :</b>		<b>ODE BRG :</b>			<b>L1 L2 L3</b>	
<b>RPM :</b>	<b>S.F. : 1.15</b>		<b>RPM :</b>		<b>WT : LBS</b>			<b>L1 L2 L3</b>	
							<b>Date :</b>		<b>460 V</b>
<b>WorldWide Electric Corporation</b>									

<b>Model:</b> ODP100-36-365TSC		<b>Encl:</b> ODP						
<b>HP:</b> 100	<b>Poles:</b> 2	<b>Frame</b> 364/5TSC	<b>Ins Cl:</b> F	<b>IP</b> IP23				
<b>Hz:</b> 60	<b>Code:</b> F	<b>Hz:</b> 50	<b>Design:</b> B					
<b>Volts:</b> 230/460	<b>P.F.:</b> 0.9	<b>Volts:</b> 190/380	<b>DE Brg:</b> 6314					
<b>Amps:</b> 221.2/110.6	<b>Eff:</b> 93.6%	<b>Amps:</b> 273/136.5	<b>ODE Brg:</b> 6212					
<b>RPM:</b> 3562	<b>S.F.:</b> 1.15	<b>RPM:</b> 2946	<b>WT:</b> 812 lbs.					
		<b>S.F.:</b> 1.0						