DATA SHEET

Premium Efficiency Motor: **ODP100-36-365TS,** **60 Hz**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

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MOTOR INFORMATION

HP	100
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	364/5TS
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

ADDITIONAL DATA

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

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 103.06A

BEARING INFORMATION

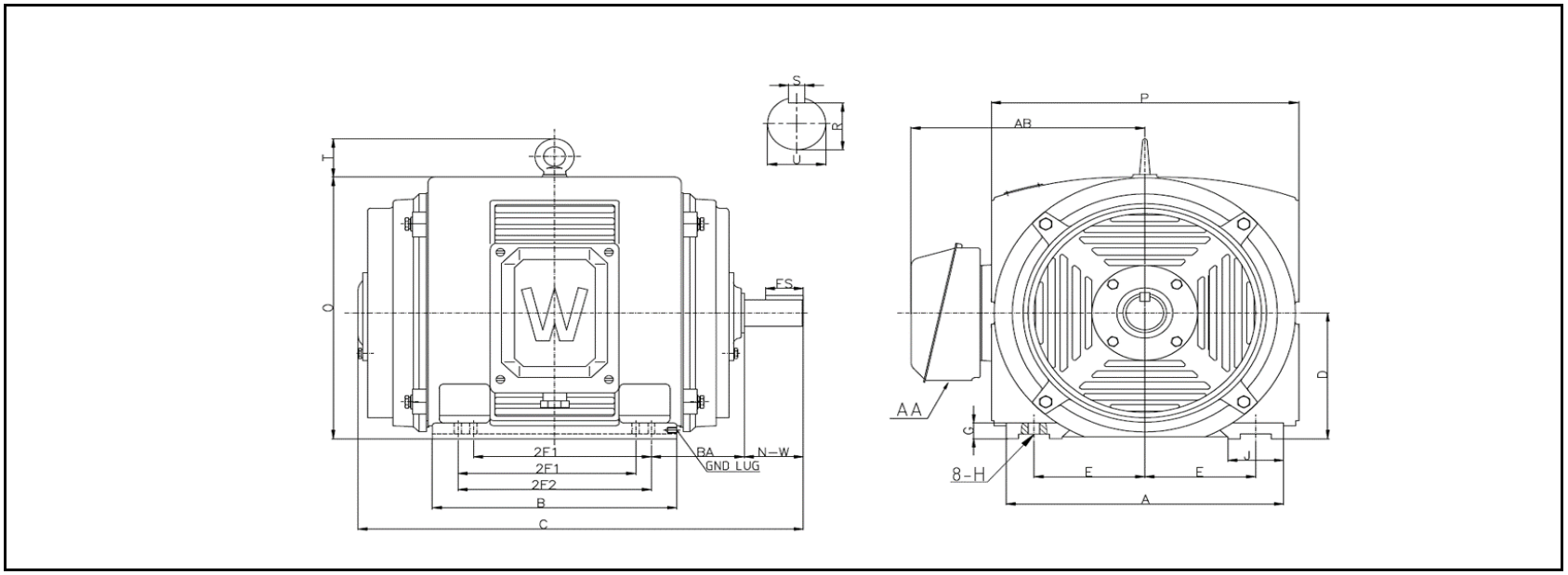
DE Bearing	6314
ODE Bearing	6212
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	26g/12g

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MOTOR DRAWING

Premium Efficiency Motor: **ODP100-36-365TS**

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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
AA	LUG
3	M10*P1.5

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PERFORMANCE CURVES

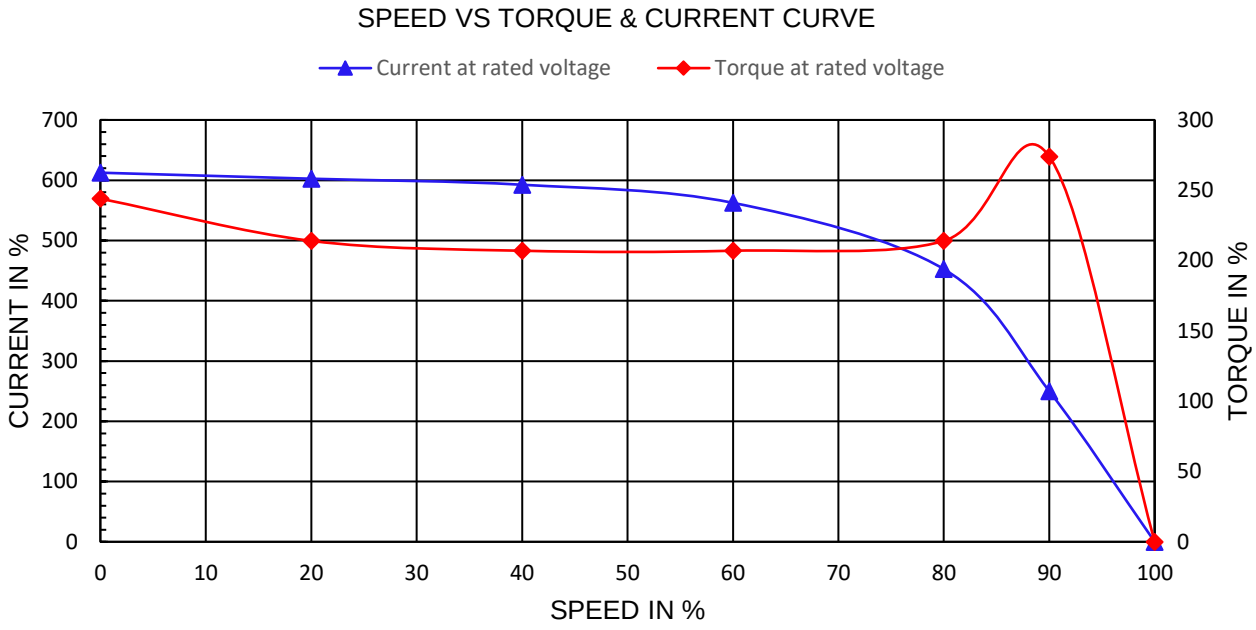
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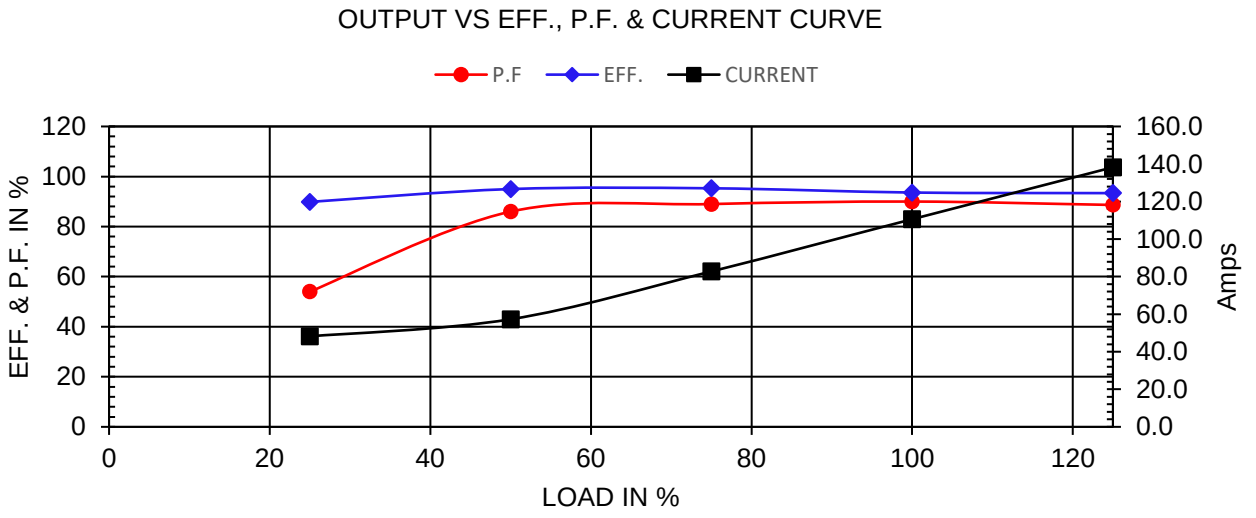
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Motor Type	ODP						
Output Rating (HP)	100		FL Speed	3562			
Full Load Torque	148	lb.ft	LRT (%FLT)	244	460 volt FLA	110.6	
Rotor Wk^2	0.936	lb-ft^2	BDT (%FLT)	274	230 volt FLA	221.2	





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NAMEPLATE / WIRING

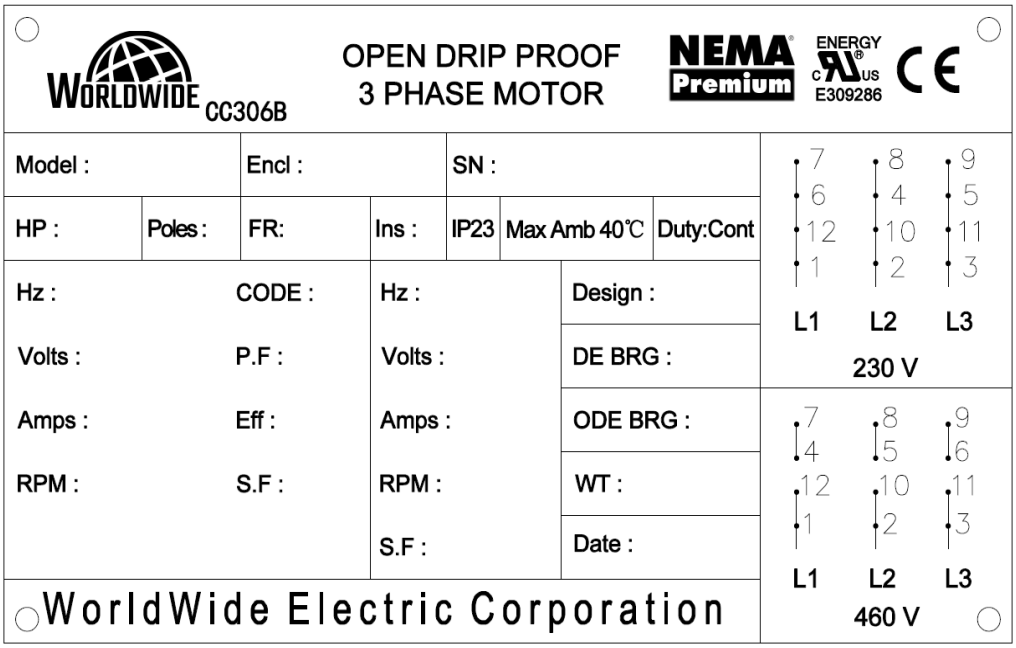
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SAMPLE NAMEPLATE DATA



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

IP	IP23

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