DATA SHEET

Premium Efficiency Motor: **ODP60-18-364TS,** **60 Hz**

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

Document Generated: 31-Mar-2025
Document ID:

Customer:

MOTOR INFORMATION

HP	60
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	364/5TS
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1782
Insulation Class	F
Temp Rise	80˚C
NEMA Code Letter	F
Duty Cycle	S1 / Continuous
Slip	0.99%
NEMA Design	B
Moment of Inertia	12.031 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	75 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	715 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	95.0 %	0.84
75%	95.0 %	0.81
50%	94.5 %	0.73

TORQUE

FULL LOAD	LRT	BDT
177.8 lb.ft.	165 %	249 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	142.4A	71.2A
Locked Rotor Amps	806.8A	403.4A
No Load Current	50.2A	25.1A
Usable at 208V	68.12A	

BEARING INFORMATION

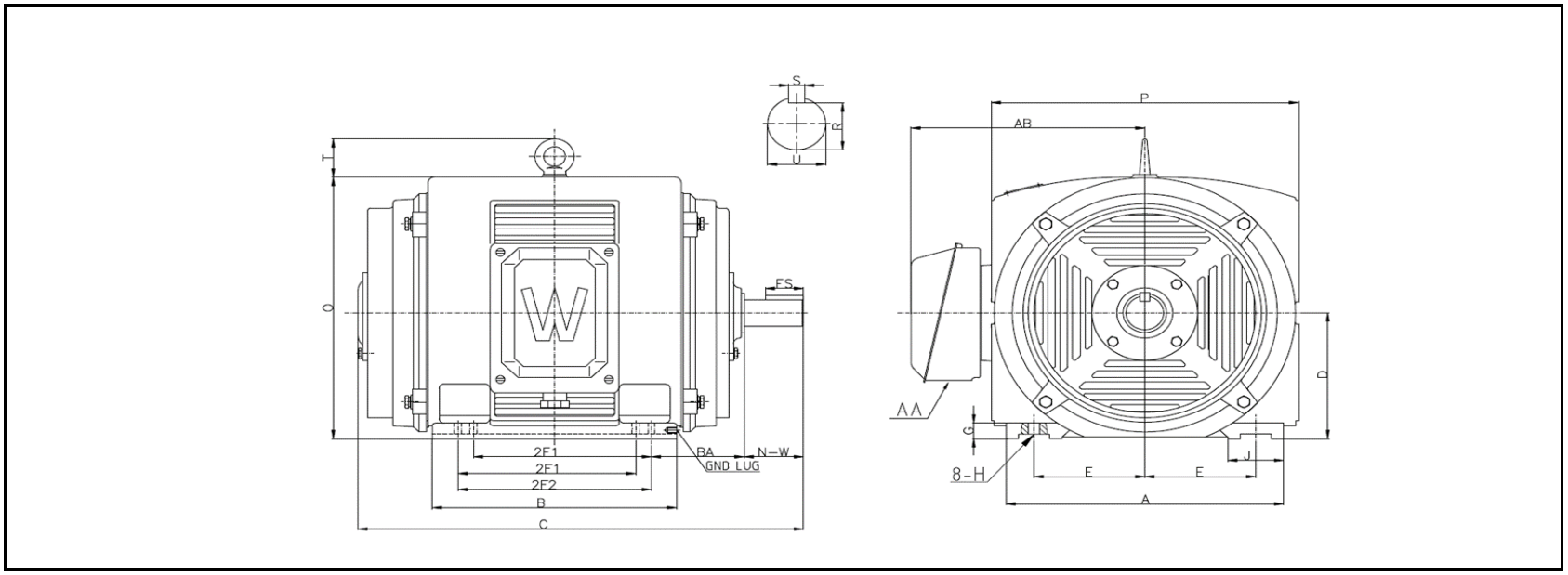
DE Bearing	6314
ODE Bearing	6212
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	26g/12g

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

MOTOR DRAWING

Premium Efficiency Motor: **ODP60-18-364TS**

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



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

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

PERFORMANCE CURVES

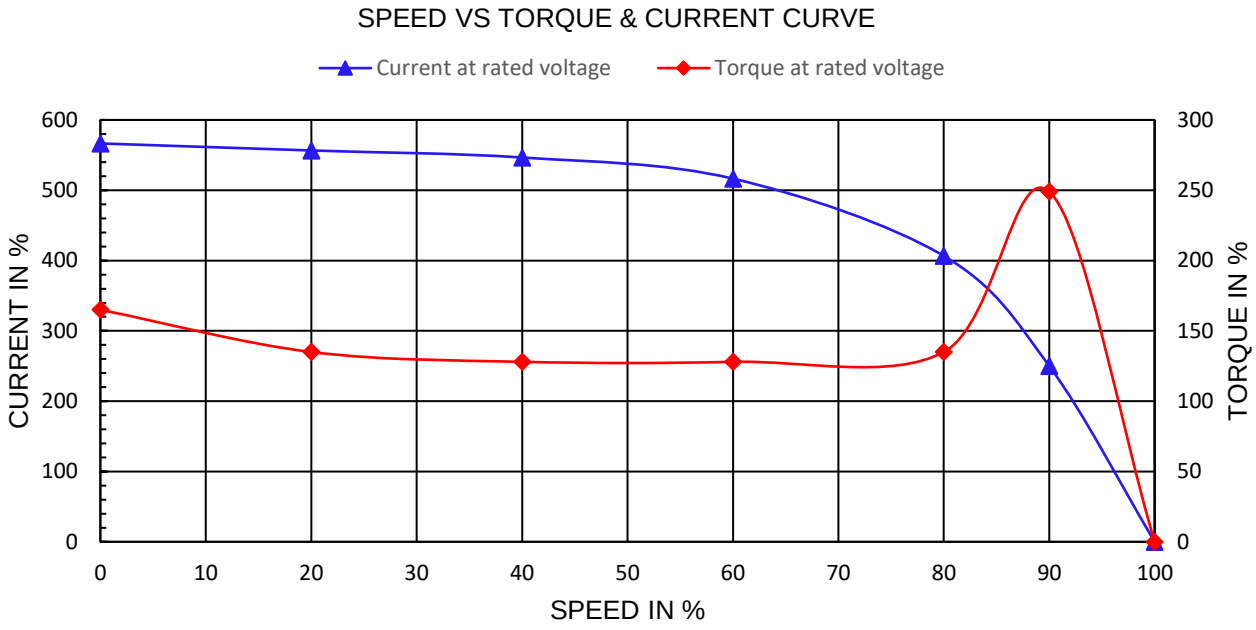
Premium Efficiency Motor: **ODP60-18-364TS**

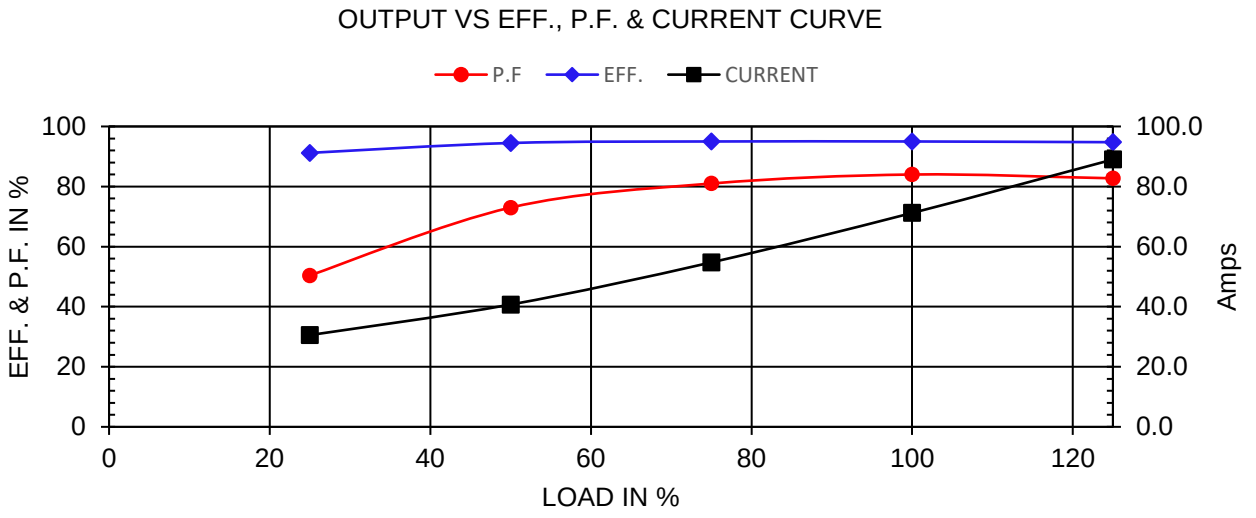
WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated:	31-Mar-2025
Document ID:	

Customer:

Motor Type	ODP					
Output Rating (HP)	60		FL Speed	1782		
Full Load Torque	177.8	lb.ft	LRT (%FLT)	165	460 volt FLA	71.2
Rotor Wk^2	0.95	lb-ft^2	BDT (%FLT)	249	230 volt FLA	142.4





This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization.

NAMEPLATE / WIRING

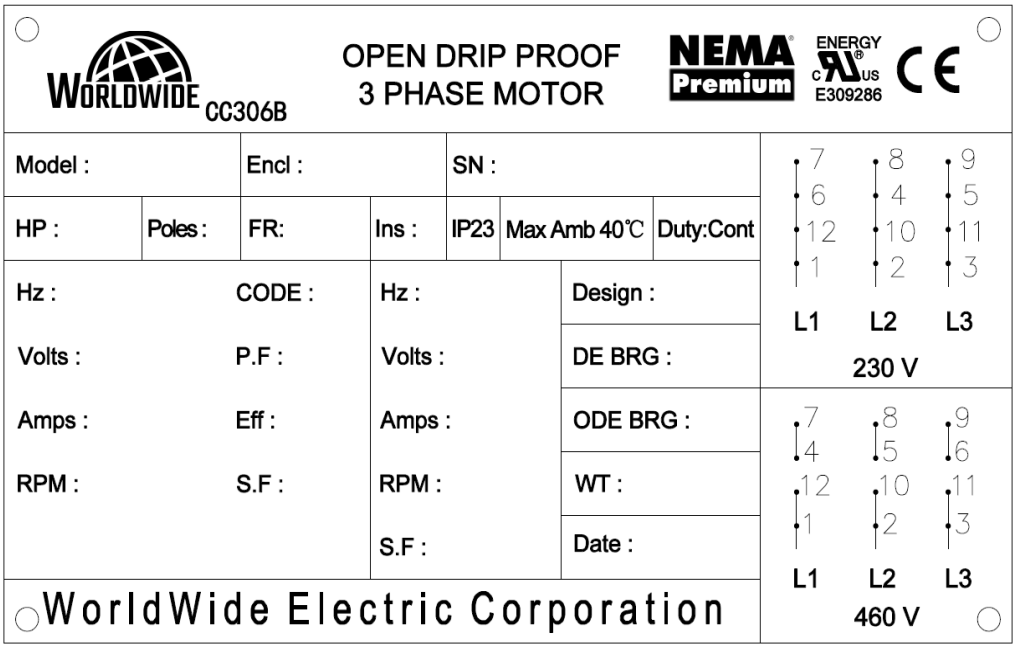
Premium Efficiency Motor: **ODP60-18-364TS**

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

Document Generated:	31-Mar-2025
Document ID:	

Customer:

SAMPLE NAMEPLATE DATA



Model:	ODP60-18-364TS	**Encl:**	ODP				
HP:	60	**Poles:**	4	**Frame**	364/5TS	**Ins Cl:**	F	**IP**	IP23
Hz:	60	**Code:**	F	**Hz:**	50	**Design:**	B		
Volts:	230/460	**P.F.:**	0.84	**Volts:**	190/380	**DE Brg:**	6314		
Amps:	142.4/71.2	**Eff:**	95.0%	**Amps:**	173.8/86.9	**ODE Brg:**	6212		
RPM:	1782	**S.F.:**	1.15	**RPM:**	1476	**WT:**	715 lbs.		
				S.F.:	1.0				

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization