DATA SHEET

Premium Efficiency Motor: **ODP100-18-404TS,** **60 Hz**

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

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Customer:

MOTOR INFORMATION

HP	100
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	404/5TS
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1785
Insulation Class	F
Temp Rise	80˚C
NEMA Code Letter	E
Duty Cycle	S1 / Continuous
Slip	0.81%
NEMA Design	B
Moment of Inertia	23.76 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	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	1034 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	95.4 %	0.86
75%	95.5 %	0.85
50%	95.0 %	0.79

TORQUE

FULL LOAD	LRT	BDT
294.7 lb.ft.	192 %	253 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	229.6A	114.8A
Locked Rotor Amps	1209.6A	604.8A
No Load Current	64.8A	32.4A
Usable at 208V	131.1A	

BEARING INFORMATION

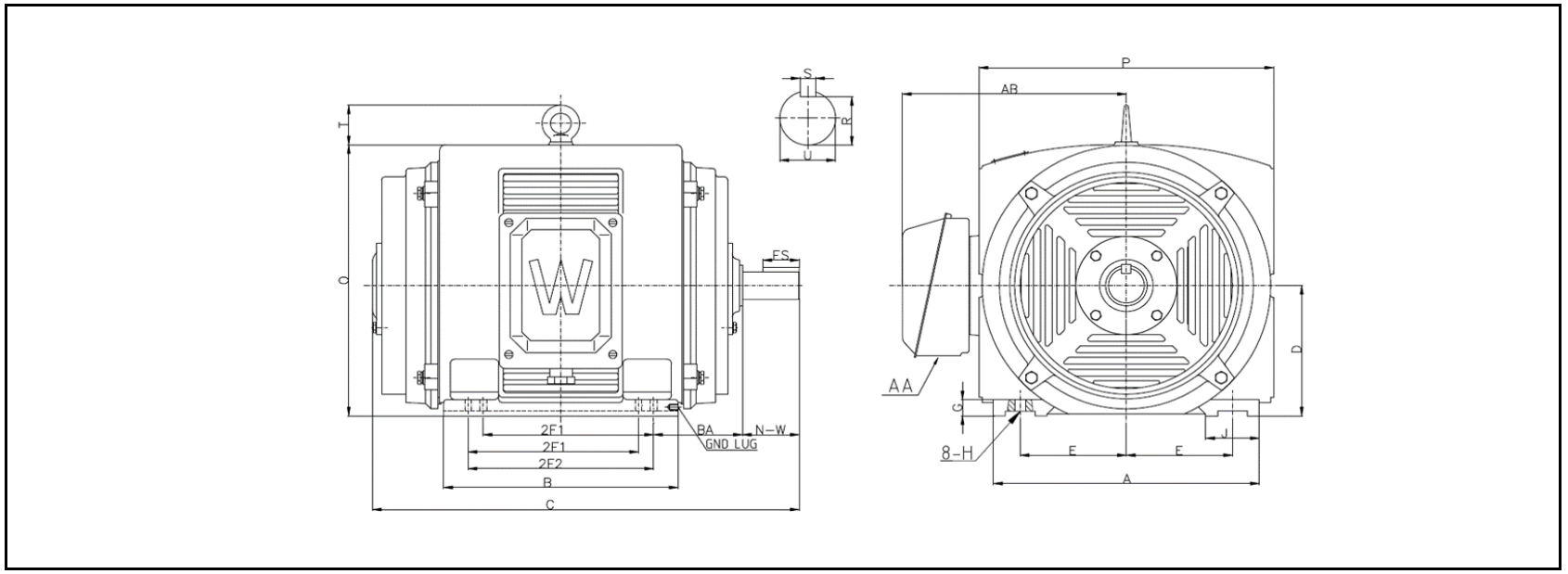
DE Bearing	6316
ODE Bearing	6313
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	26g/12g

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MOTOR DRAWING

Premium Efficiency Motor: **ODP100-18-404TS**

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
8	12.25	13.75	0.81	6.62	20	17.6	30.7	10	1.18	21.3	20.3	3	16.93

SHAFT & KEY				
S	ES	R	N-W	U
0.5	2.78	1.845	4.25	2.125

T-BOX	GND
AA	LUG
3	M12*P1.75

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PERFORMANCE CURVES

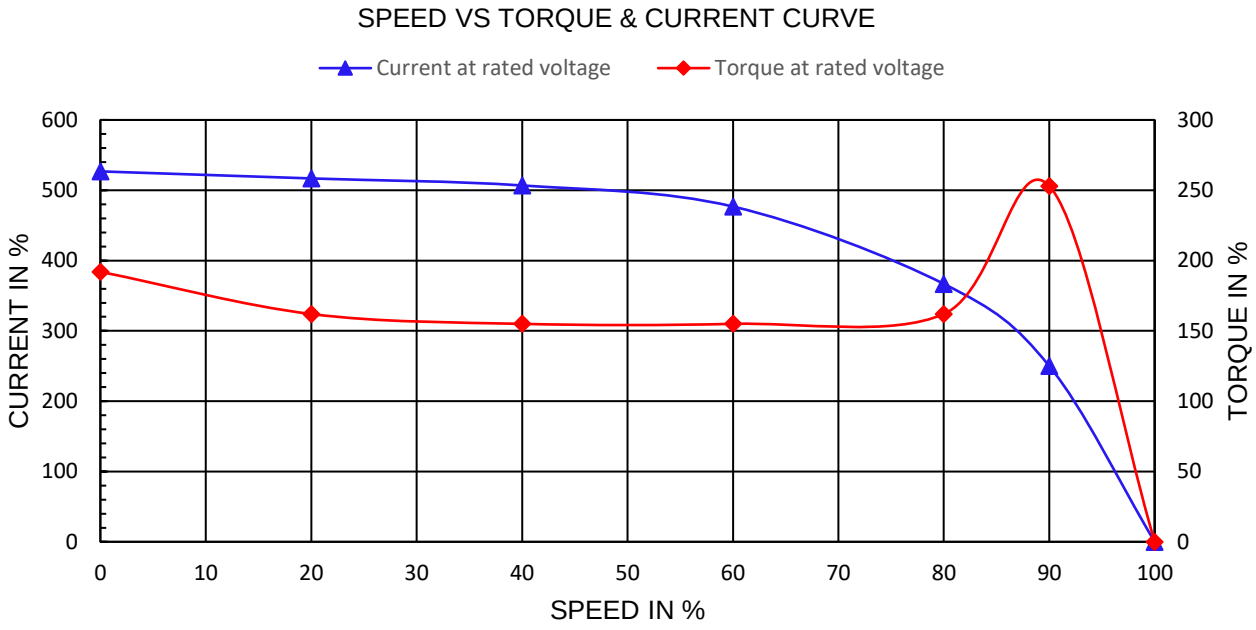
Premium Efficiency Motor: **ODP100-18-404TS**

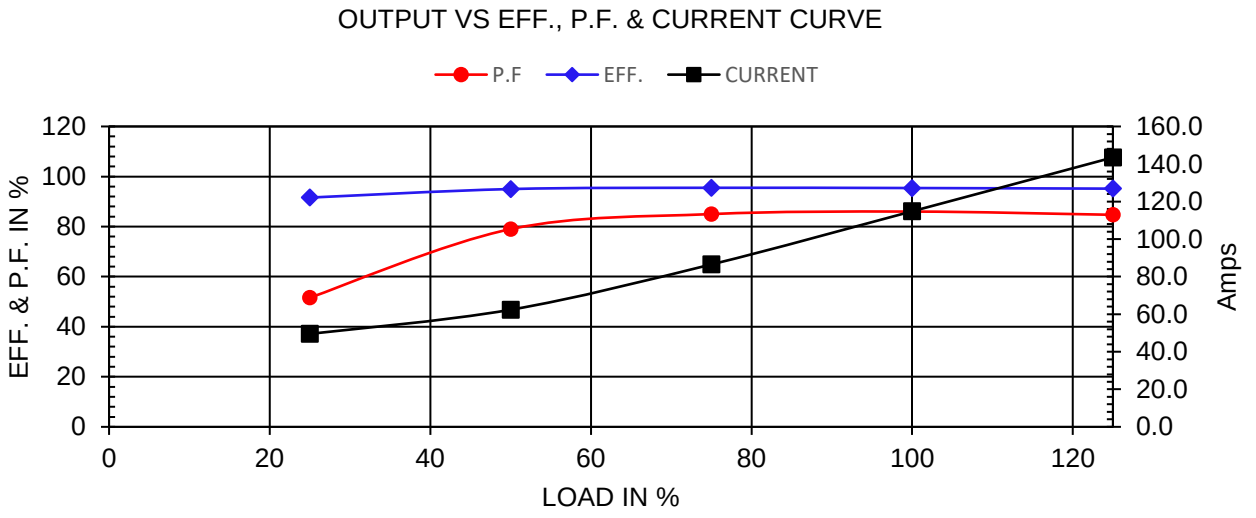
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Motor Type	ODP					
Output Rating (HP)	100		FL Speed	1785		
Full Load Torque	294.7	lb.ft	LRT (%FLT)	192	460 volt FLA	114.8
Rotor Wk^2	0.954	lb-ft^2	BDT (%FLT)	253	230 volt FLA	229.6





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NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

WORLDWIDE CC306B

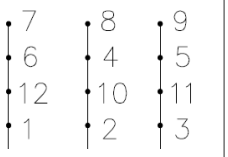
OPEN DRIP PROOF
3 PHASE MOTOR

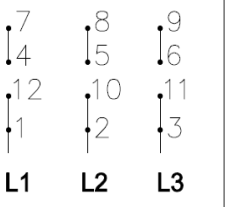
NEMA Premium ENERGY c UL us E309286 CE

Model :		Encl :		SN :		
HP :	Poles :	FR:	Ins :	IP23	Max Amb 40℃	Duty:Cont

Hz :	CODE :	Hz :	Design :
Volts :	P.F :	Volts :	DE BRG :
Amps :	Eff :	Amps :	ODE BRG :
RPM :	S.F :	RPM :	WT :
		S.F :	Date :

WorldWide Electric Corporation





Model:	ODP100-18-404TS			**Encl:**	ODP				
HP:	100	**Poles:**	4	**Frame**	404/5TS	**Ins Cl:**	F	**IP**	IP23
Hz:	60	**Code:**	E	**Hz:**	50	**Design:**	B		
Volts:	230/460	**P.F.:**	0.86	**Volts:**	190/380	**DE Brg:**	6316		
Amps:	229.6/114.8	**Eff:**	95.4%	**Amps:**	281.2/140.6	**ODE Brg:**	6313		
RPM:	1785	**S.F.:**	1.15	**RPM:**	1484	**WT:**	1034 lbs.		
				S.F.:	1.0				

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