DATA SHEET

Premium Efficiency Motor: **ODP50-18-326T,** **60 Hz**

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

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MOTOR INFORMATION

HP	50
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	324/6T
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1781
Insulation Class	F
Temp Rise	80˚C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.07%
NEMA Design	B
Moment of Inertia	9.333 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	470 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	94.5 %	0.83
75%	94.8 %	0.79
50%	94.3 %	0.69

TORQUE

FULL LOAD	LRT	BDT
146.7 lb.ft.	325 %	353 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	118.6A	59.3A
Locked Rotor Amps	771A	385.5A
No Load Current	46.2A	23.1A
Usable at 208V	48.88A	

BEARING INFORMATION

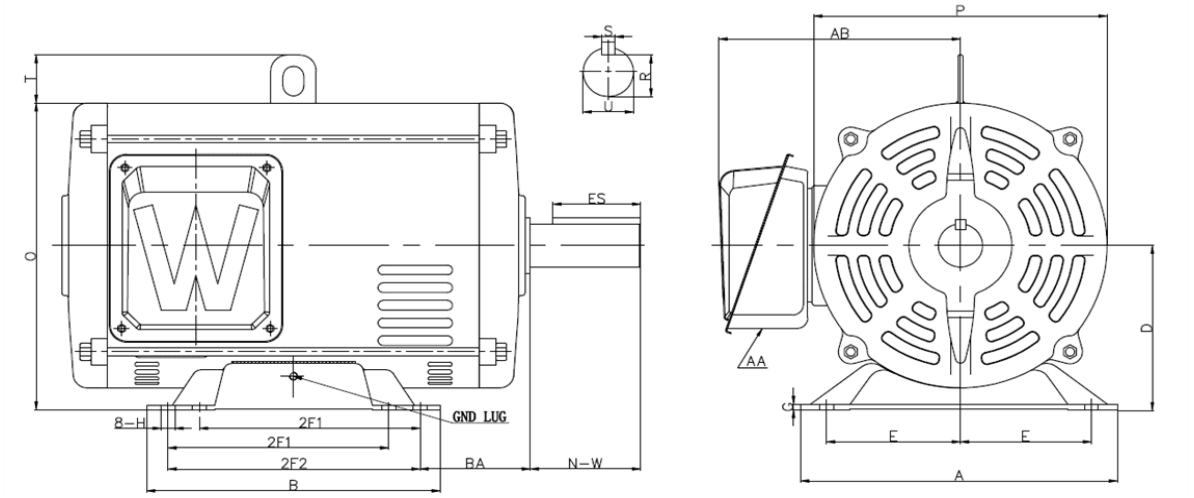
DE Bearing	6314Z
ODE Bearing	6212Z
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	26g/12g

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MOTOR DRAWING

Premium Efficiency Motor: **ODP50-18-326T**

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
6.25	10.5	12	0.66	5.25	15.08	14	27.8	8	0.275	14	15	2.36	13.1

SHAFT & KEY				
S	ES	R	N-W	U
0.5	3.91	1.845	5.25	2.125

T-BOX	GND
AA	LUG
2.5	M8*P1.25

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PERFORMANCE CURVES

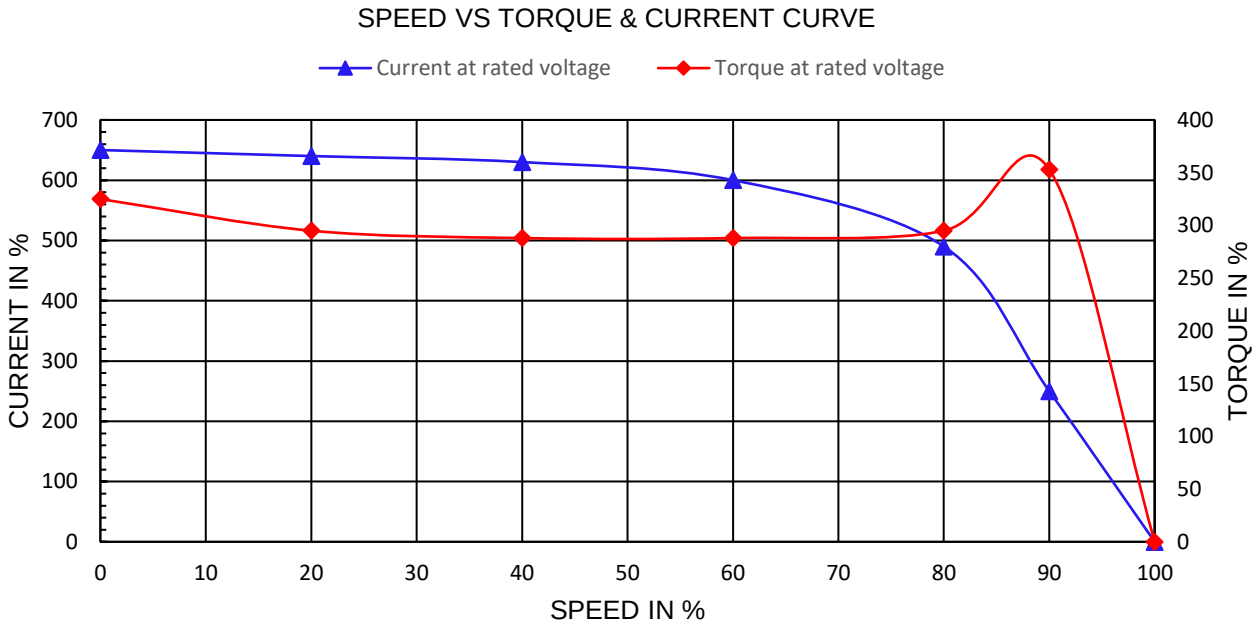
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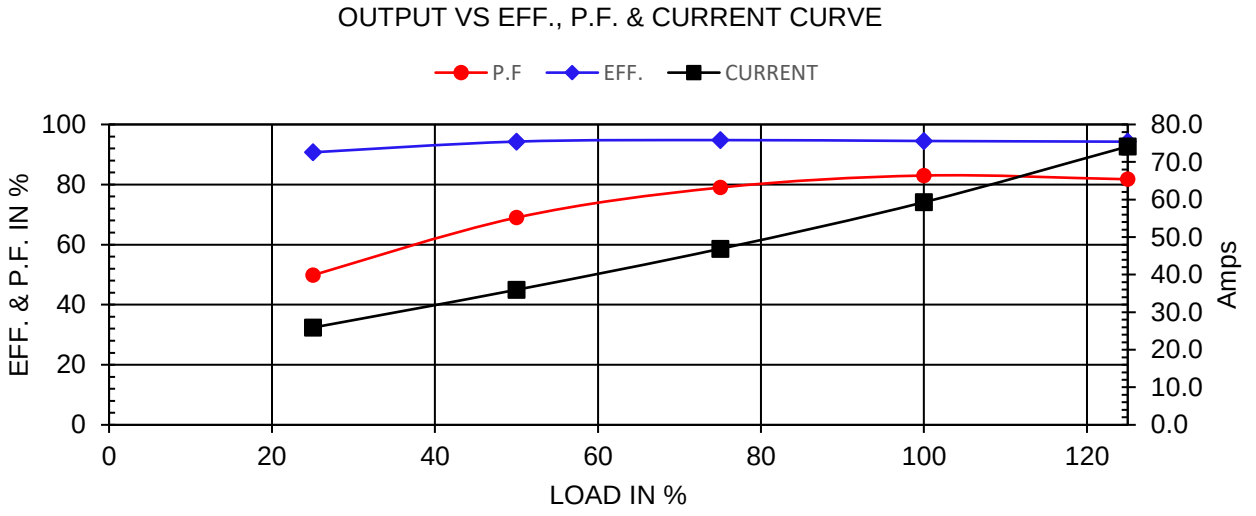
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Motor Type	ODP					
Output Rating (HP)	50		FL Speed	1781		
Full Load Torque	146.7	lb.ft	LRT (%FLT)	325	460 volt FLA	59.3
Rotor Wk^2	0.945	lb-ft^2	BDT (%FLT)	353	230 volt FLA	118.6





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NAMEPLATE / WIRING

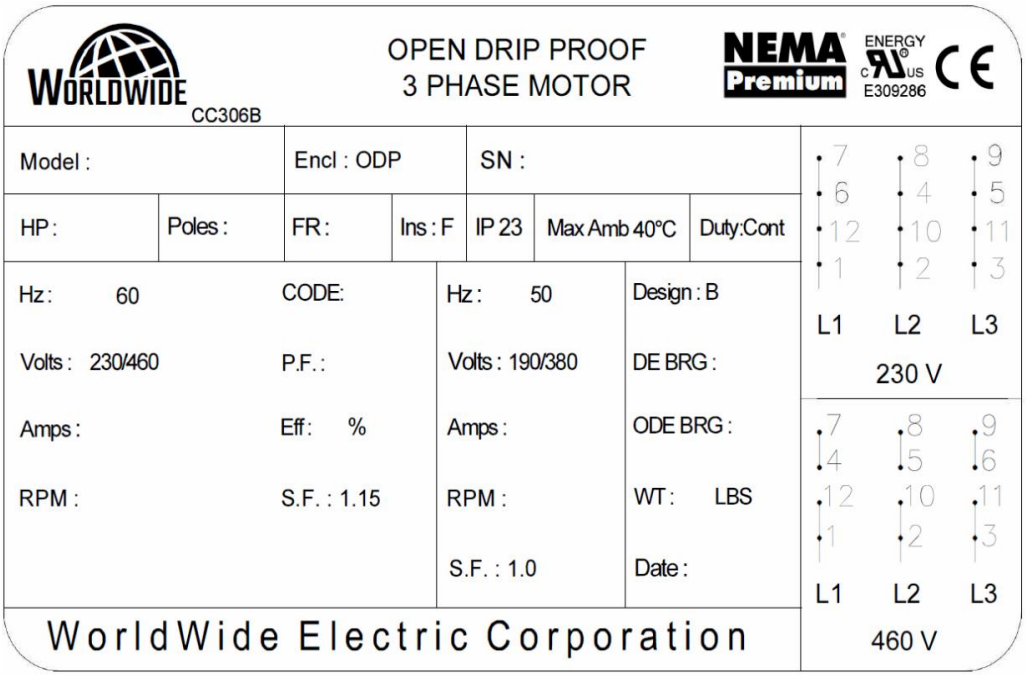
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SAMPLE NAMEPLATE DATA



Model:	ODP50-18-326T			**Encl:**	ODP				
HP:	50	**Poles:**	4	**Frame**	324/6T	**Ins Cl:**	F	**IP**	IP23
Hz:	60	**Code:**	G	**Hz:**	50	**Design:**	B		
Volts:	230/460	**P.F.:**	0.83	**Volts:**	190/380	**DE Brg:**	6314Z		
Amps:	118.6/59.3	**Eff:**	94.5%	**Amps:**	142.4/71.2	**ODE Brg:**	6212Z		
RPM:	1781	**S.F.:**	1.15	**RPM:**	1460	**WT:**	470 lbs.		
				S.F.:	1.0				

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