DATA SHEET

Premium Efficiency Motor: **ODP20-36-254T,** **60 Hz**

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

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MOTOR INFORMATION

HP	20
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	254/6T
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	2
Full Load Speed	3532
Insulation Class	F
Temp Rise	80˚C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.90%
NEMA Design	B
Moment of Inertia	1.291 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	72 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	246.9 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	91.0 %	0.92
75%	92.8 %	0.92
50%	92.8 %	0.9

TORQUE

FULL LOAD	LRT	BDT
29.92 lb.ft.	251 %	298 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	44.2A	22.1A
Locked Rotor Amps	309A	154.5A
No Load Current	7.06A	3.53A

Usable at 208V	9.51A

BEARING INFORMATION

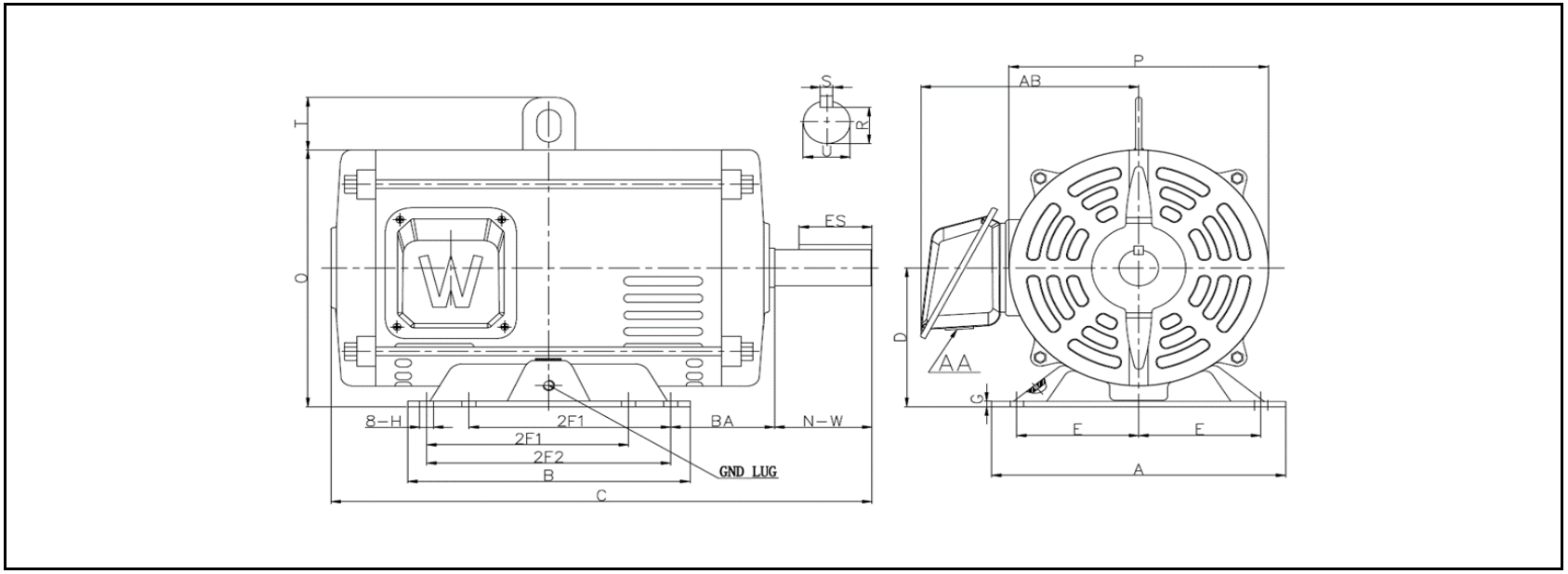
DE Bearing	6309Z
ODE Bearing	6307Z
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	13g/8g

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MOTOR DRAWING

Premium Efficiency Motor: **ODP20-36-254T**

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
5	8.25	10	0.53	4.25	12.05	11.57	22.3	6.25	0.236	10.63	11.6	2.48	9.7

SHAFT & KEY				
S	ES	R	N-W	U
0.375	2.91	1.416	4	1.625

T-BOX	GND
AA	LUG
1.38	M6*P1.0

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PERFORMANCE CURVES

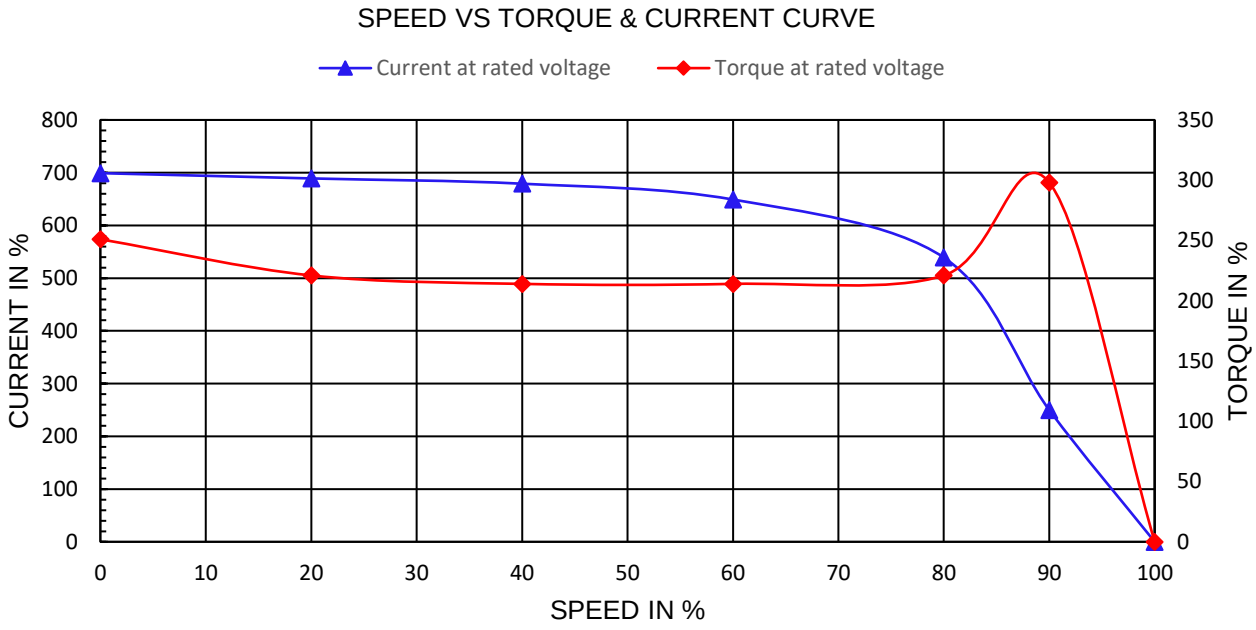
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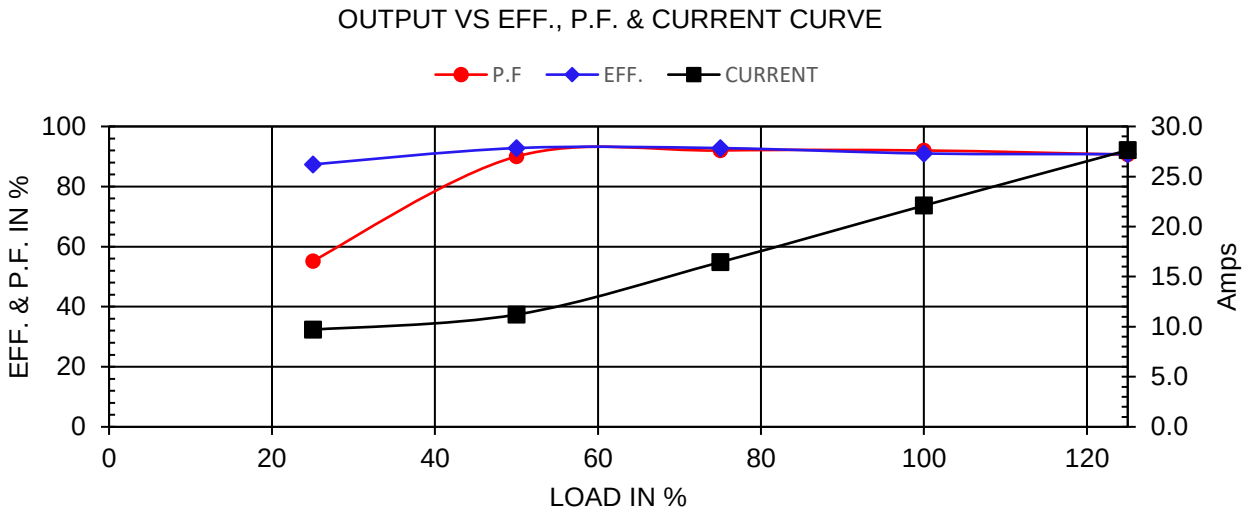
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Motor Type	ODP						
Output Rating (HP)	20		FL Speed	3532			
Full Load Torque	29.92	lb.ft	LRT (%FLT)	251	460 volt FLA	22.1	
Rotor Wk^2	0.91	lb-ft^2	BDT (%FLT)	298	230 volt FLA	44.2	





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NAMEPLATE / WIRING

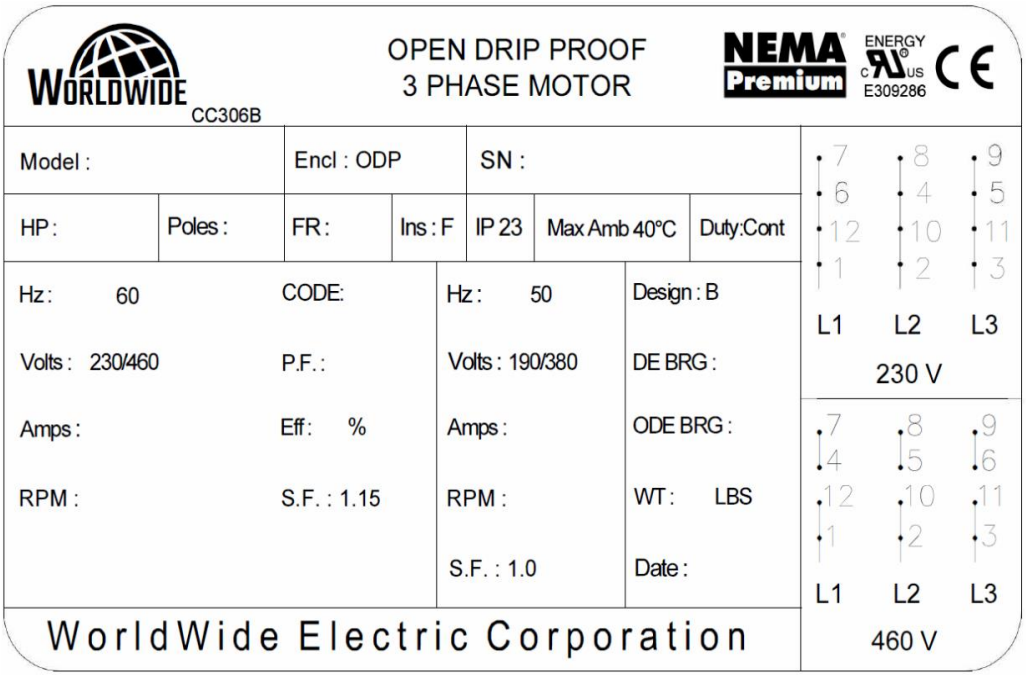
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SAMPLE NAMEPLATE DATA



Model:	ODP20-36-254T			**Encl:**	ODP				
HP:	20	**Poles:**	2	**Frame**	254/6T	**Ins Cl:**	F	**IP**	IP23
Hz:	60	**Code:**	G	**Hz:**	50	**Design:**	B		
Volts:	230/460	**P.F.:**	0.92	**Volts:**	190/380	**DE Brg:**	6309Z		
Amps:	44.2/22.1	**Eff:**	91.0%	**Amps:**	51/25.5	**ODE Brg:**	6307Z		
RPM:	3532	**S.F.:**	1.15	**RPM:**	2938	**WT:**	246.9 lbs.		
				S.F.:	1.0				

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