DATA SHEET

Premium Efficiency Motor: **ODP40-36-286TS,** **60 Hz**

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

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MOTOR INFORMATION

HP	40
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	284/6TS
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	2
Full Load Speed	3549
Insulation Class	F
Temp Rise	80˚C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.42%
NEMA Design	B
Moment of Inertia	2.577 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	79 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	340 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	92.4 %	0.9
75%	93.2 %	0.89
50%	93.3 %	0.91

TORQUE

FULL LOAD	LRT	BDT
58.5 lb.ft.	299 %	356 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	90.8A	45.4A
Locked Rotor Amps	618.6A	309.3A
No Load Current	16.8A	8.4A

Usable at 208V	28.97A

BEARING INFORMATION

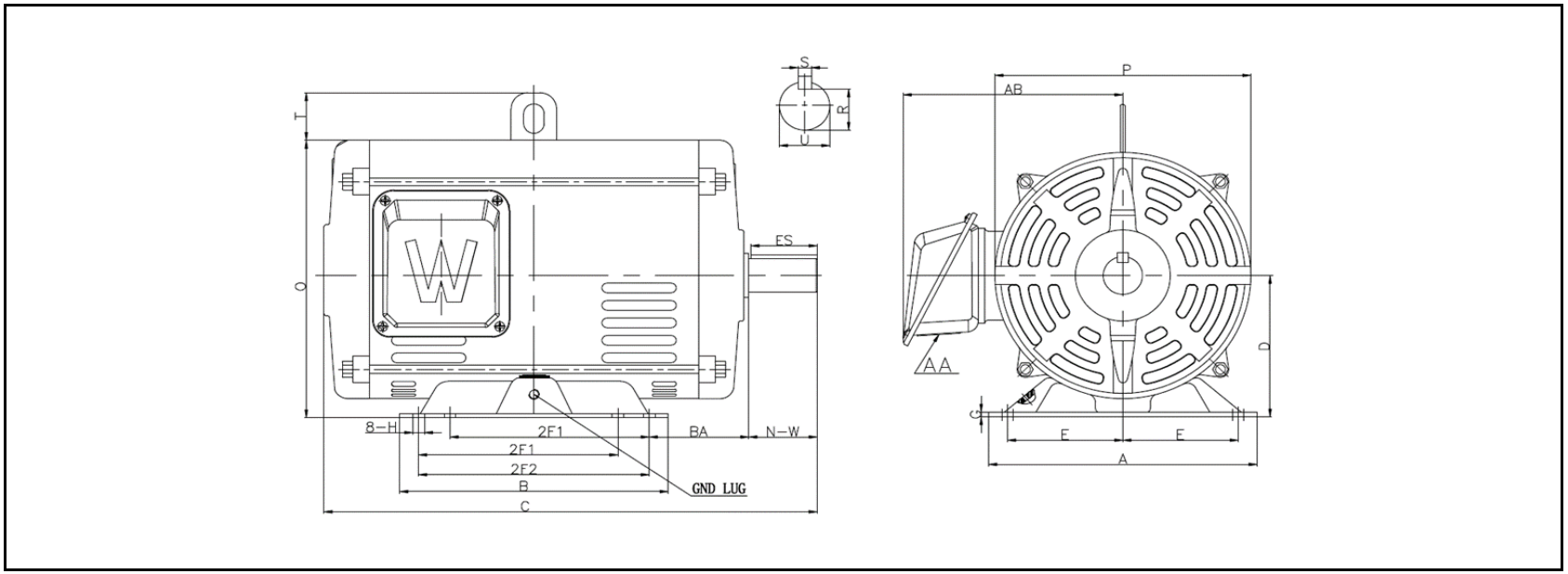
DE Bearing	6311Z
ODE Bearing	6310Z
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	17g/15g

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MOTOR DRAWING

Premium Efficiency Motor: **ODP40-36-286TS**

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
5.5	9.5	11	0.53	4.75	12.8	12.8	22.6	7	0.24	12.2	13.1	2.36	11.1

SHAFT & KEY				
S	ES	R	N-W	U
0.375	1.91	1.416	3.25	1.625

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

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PERFORMANCE CURVES

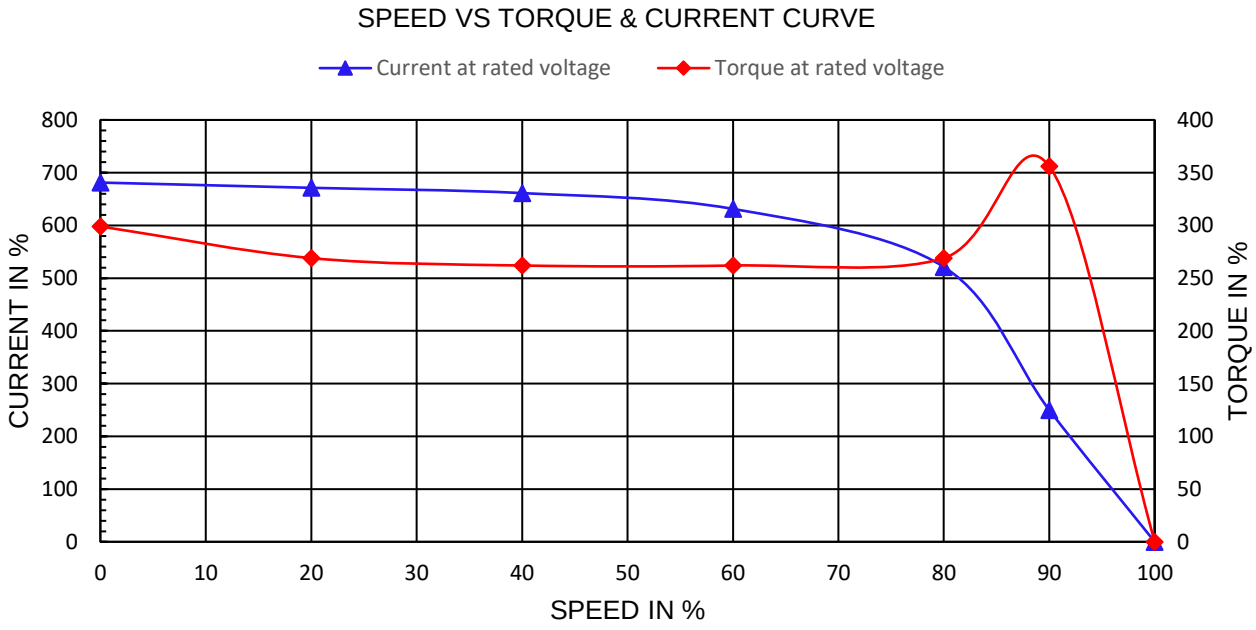
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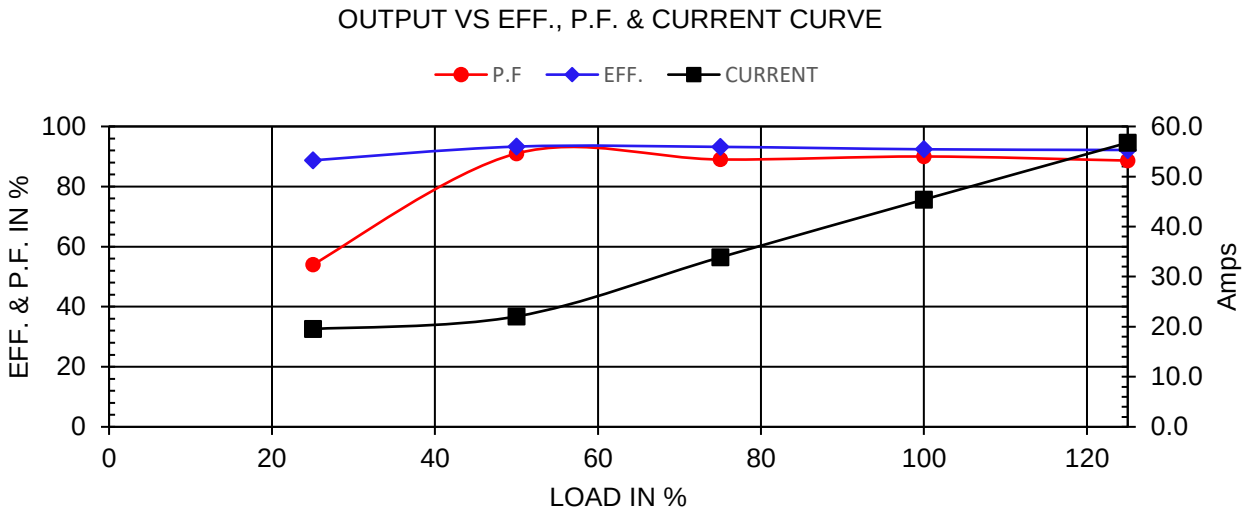
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Motor Type	ODP					
Output Rating (HP)	40		FL Speed	3549		
Full Load Torque	58.5	lb.ft	LRT (%FLT)	299	460 volt FLA	45.4
Rotor Wk^2	0.924	lb-ft^2	BDT (%FLT)	356	230 volt FLA	90.8





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NAMEPLATE / WIRING

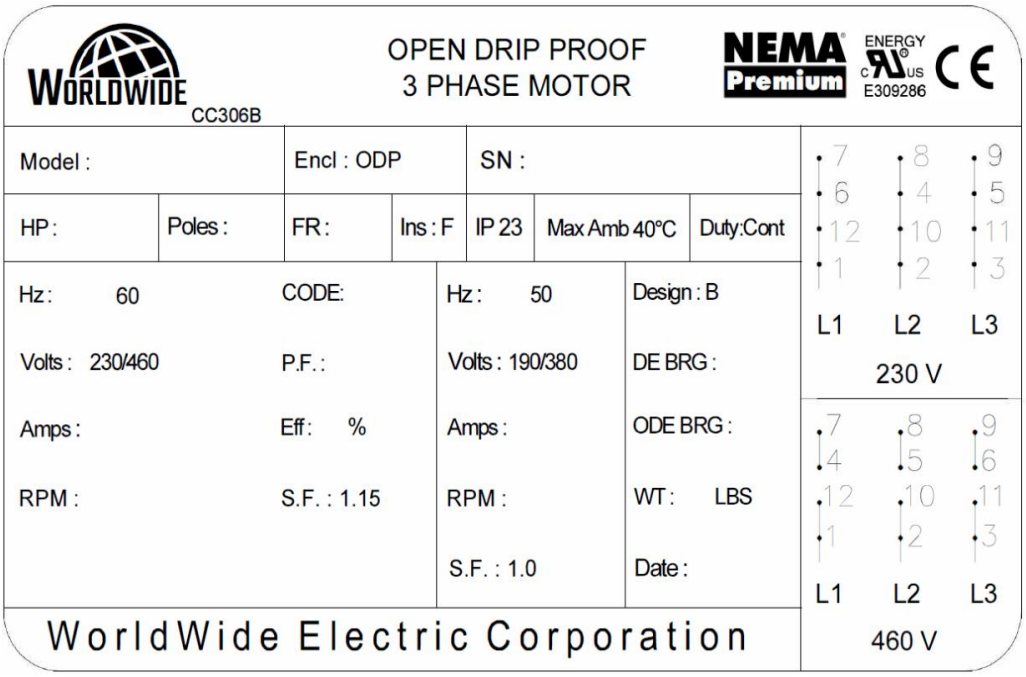
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SAMPLE NAMEPLATE DATA



Model:	ODP40-36-286TS			**Encl:**	ODP				
HP:	40	**Poles:**	2	**Frame**	284/6TS	**Ins Cl:**	F	**IP**	IP23
Hz:	60	**Code:**	G	**Hz:**	50	**Design:**	B		
Volts:	230/460	**P.F.:**	0.9	**Volts:**	190/380	**DE Brg:**	6311Z		
Amps:	90.8/45.4	**Eff:**	92.4%	**Amps:**	109/54.5	**ODE Brg:**	6310Z		
RPM:	3549	**S.F.:**	1.15	**RPM:**	2915	**WT:**	340 lbs.		
				S.F.:	1.0				

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