DATA SHEET

Premium Efficiency Motor: **ODP12-18-56CB,** **60 Hz**

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

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MOTOR INFORMATION

HP	0.5
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	56CB
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1763
Insulation Class	F
Temp Rise	80˚C
NEMA Code Letter	N
Duty Cycle	S1 / Continuous
Slip	2.07%
NEMA Design	B
Moment of Inertia	0.062 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	52 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	No
Shaft Material	AISI 1045
Connection Diagram	9 Lead Wye
Approximate Weight	26.5 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	78.2 %	0.62
75%	76.3 %	0.53
50%	70.3 %	0.41

TORQUE

FULL LOAD	LRT	BDT
1.48 lb.ft.	371 %	480 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	1.9A	0.95A
Locked Rotor Amps	14.46A	7.23A
No Load Current	1.48A	0.74A

Usable at 208V	2.1A

BEARING INFORMATION

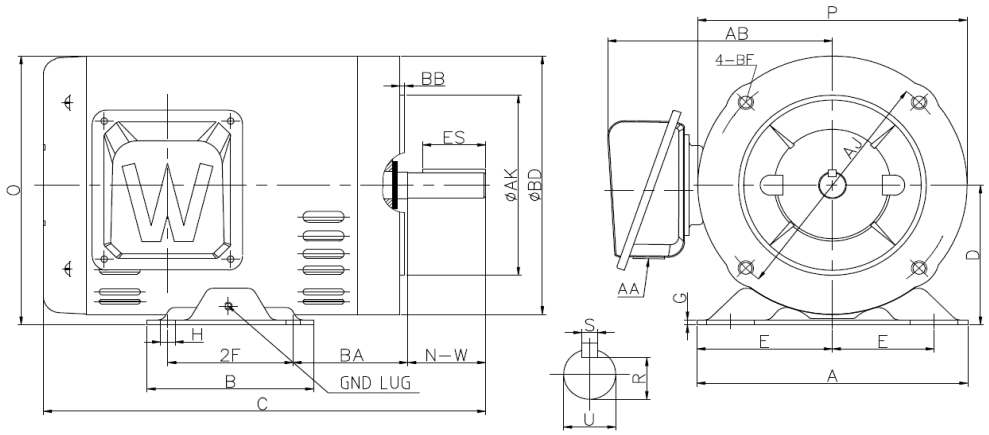
DE Bearing	6203ZZ
ODE Bearing	6203ZZ
Grease Type	NSK SN7
DE Regreasing Interval	-- Hours
ODE Regreasing Interval	-- Hours
Grease Quantity	--

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MOTOR DRAWING

Premium Efficiency Motor: **ODP12-18-56CB**

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
2.44	3	--	0.34	2.75	6.49	3.99	10.6	3.5	0.118	6.5	6.71	--	5.7

SHAFT & KEY				
S	ES	R	N-W	U
0.188	1.41	0.517	1.88	6.25

T-BOX	GND
AA	LUG
0.88	M5*P0.8

FLANGE				
AK	BD	AJ	BF	BB
4.5	6.5	5.875	4*3/8-16 UNC	0.12

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PERFORMANCE CURVES

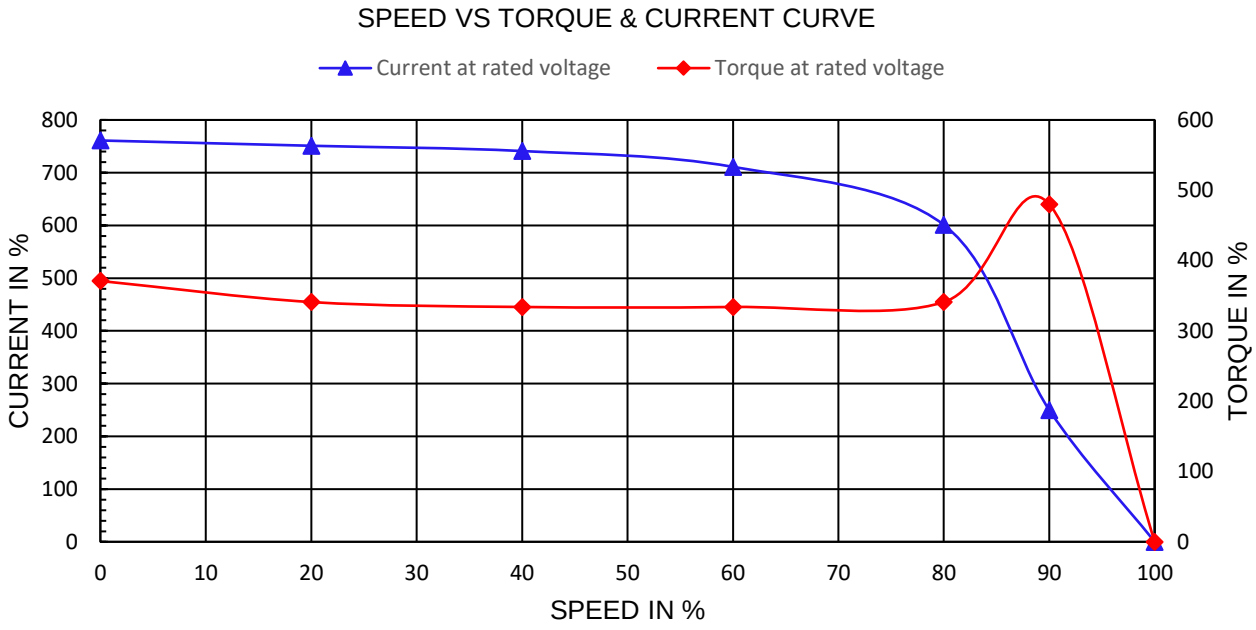
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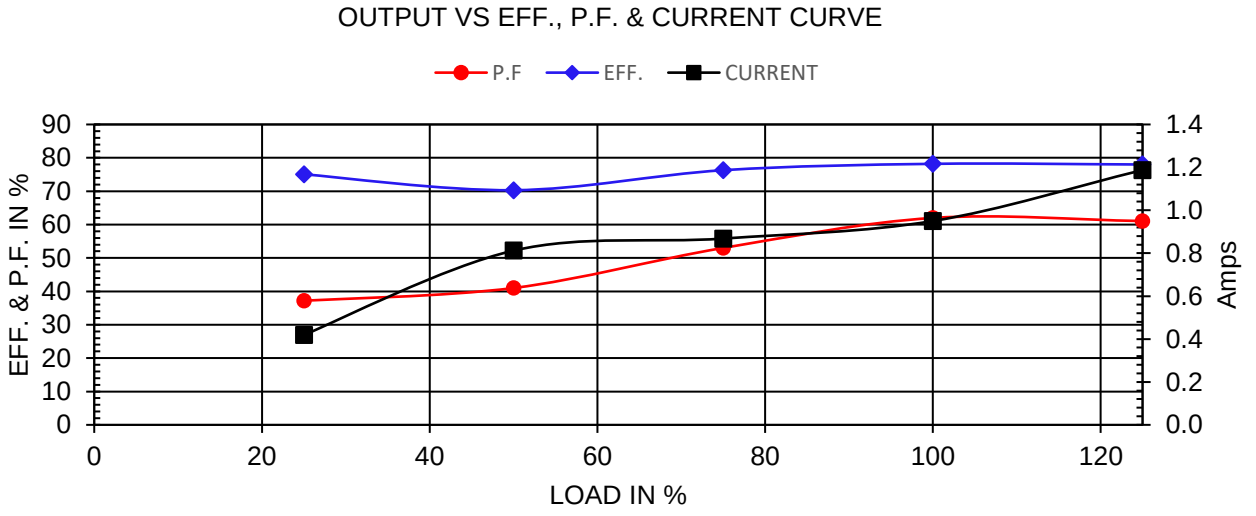
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Motor Type	ODP					
Output Rating (HP)	0.5		FL Speed	1763		
Full Load Torque	1.48	lb.ft	LRT (%FLT)	371	460 volt FLA	0.95
Rotor Wk^2	0.782	lb-ft^2	BDT (%FLT)	480	230 volt FLA	1.9





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NAMEPLATE / WIRING

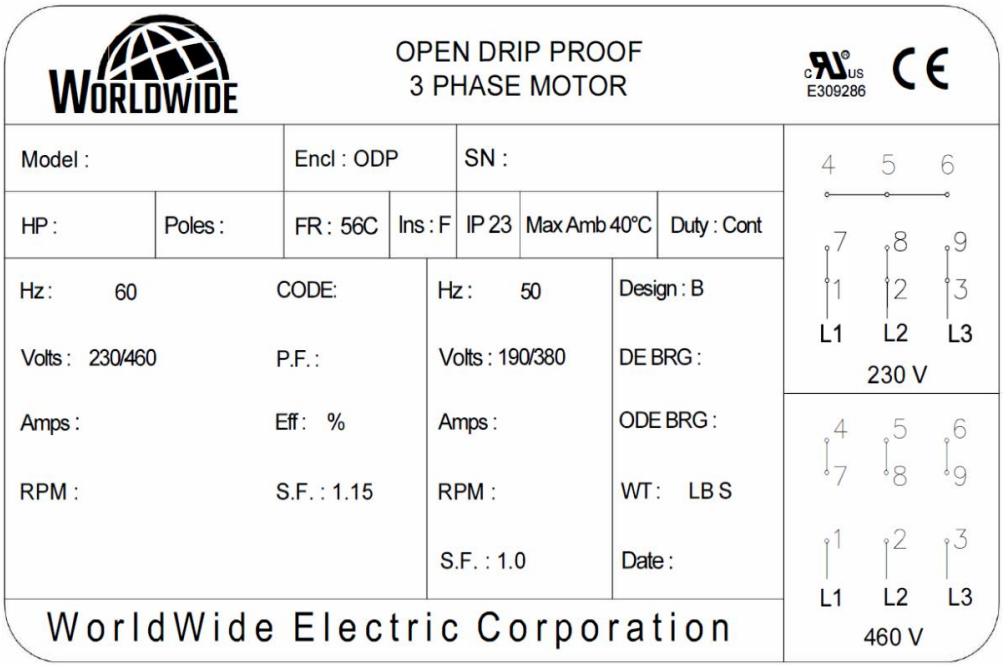
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SAMPLE NAMEPLATE DATA



Model:	ODP12-18-56CB			**Encl:**	ODP		
HP:	0.5	**Poles:**	4	**Frame**	56CB	**Ins Cl:**	F
Hz:	60	**Code:**	N	**Hz:**	50	**Design:**	B
Volts:	230/460	**P.F.:**	0.62	**Volts:**	190/380	**DE Brg:**	6203ZZ
Amps:	1.9/0.95	**Eff:**	78.2%	**Amps:**	2.2/1.1	**ODE Brg:**	6203ZZ
RPM:	1763	**S.F.:**	1.15	**RPM:**	1464	**WT:**	26.5 lbs.
				S.F.:	1.0		

IP	IP23

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