

DATA SHEET

Premium Efficiency Motor: **ODP3-18-56HZ,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	3
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	56HZ
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1740
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	K
Duty Cycle	S1 / Continuous
Slip	3.23%
NEMA Design	B
Moment of Inertia	0.203 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	60 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

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	86.9 %	0.78
75%	86.5 %	0.71
50%	84.4 %	0.58

TORQUE		
FULL LOAD	LRT	BDT
8.9 lb.ft.	304 %	349 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	8.2A	4.1A
Locked Rotor Amps	62A	31A
No Load Current	4.66A	2.33A
Usable at 208V	9.07A	

BEARING INFORMATION	
DE Bearing	6205ZZ
ODE Bearing	6203ZZ
Grease Type	NSK SN7
DE Regreasing Interval	-- Hours
ODE Regreasing Interval	-- Hours
Grease Quantity	--

ADDITIONAL DATA	
F2 Suitable	No
Shaft Material	AISI 1045
Connection Diagram	3 Lead
Approximate Weight	44.1 lbs.

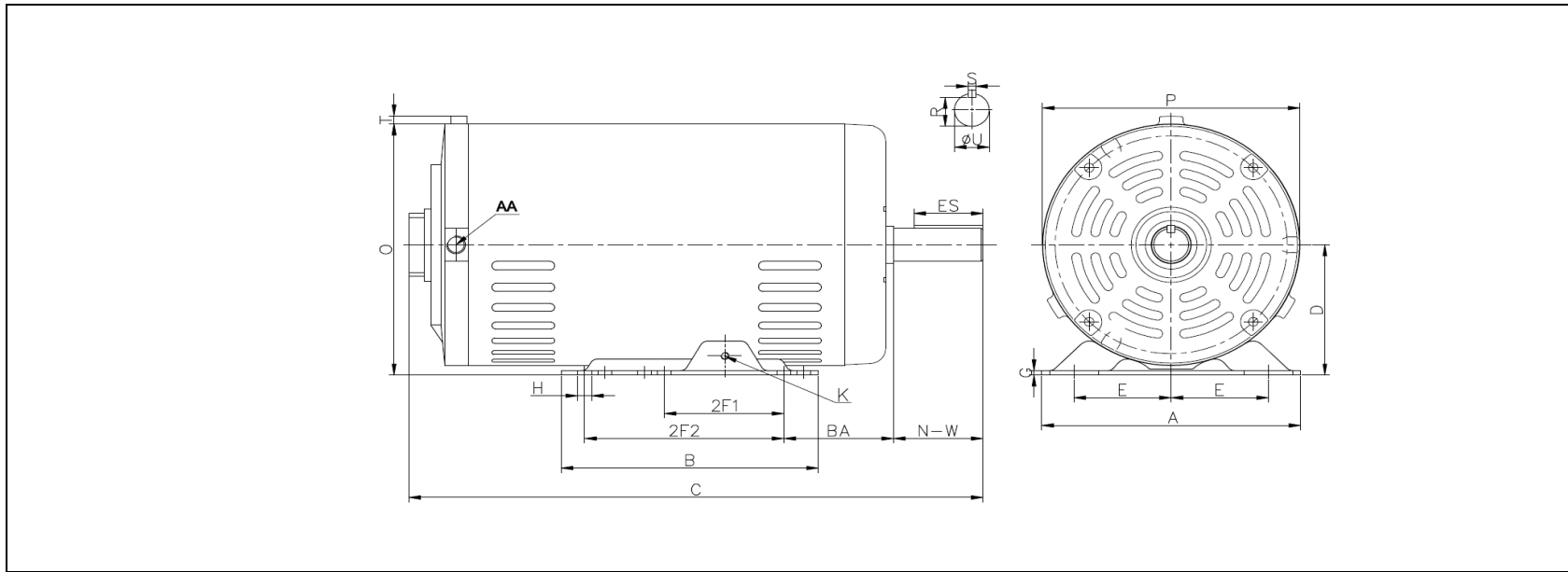
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
2.44	3	5	0.34	2.75	6.5	6.5	14.4	3.5	0.08	6.7	6.7	0.22	--

SHAFT & KEY				
S	ES	R	N-W	U
0.188	1.41	0.771	2.25	0.875

T-BOX	GND
AA	LUG
1/2	M5*P0.8

PERFORMANCE CURVES

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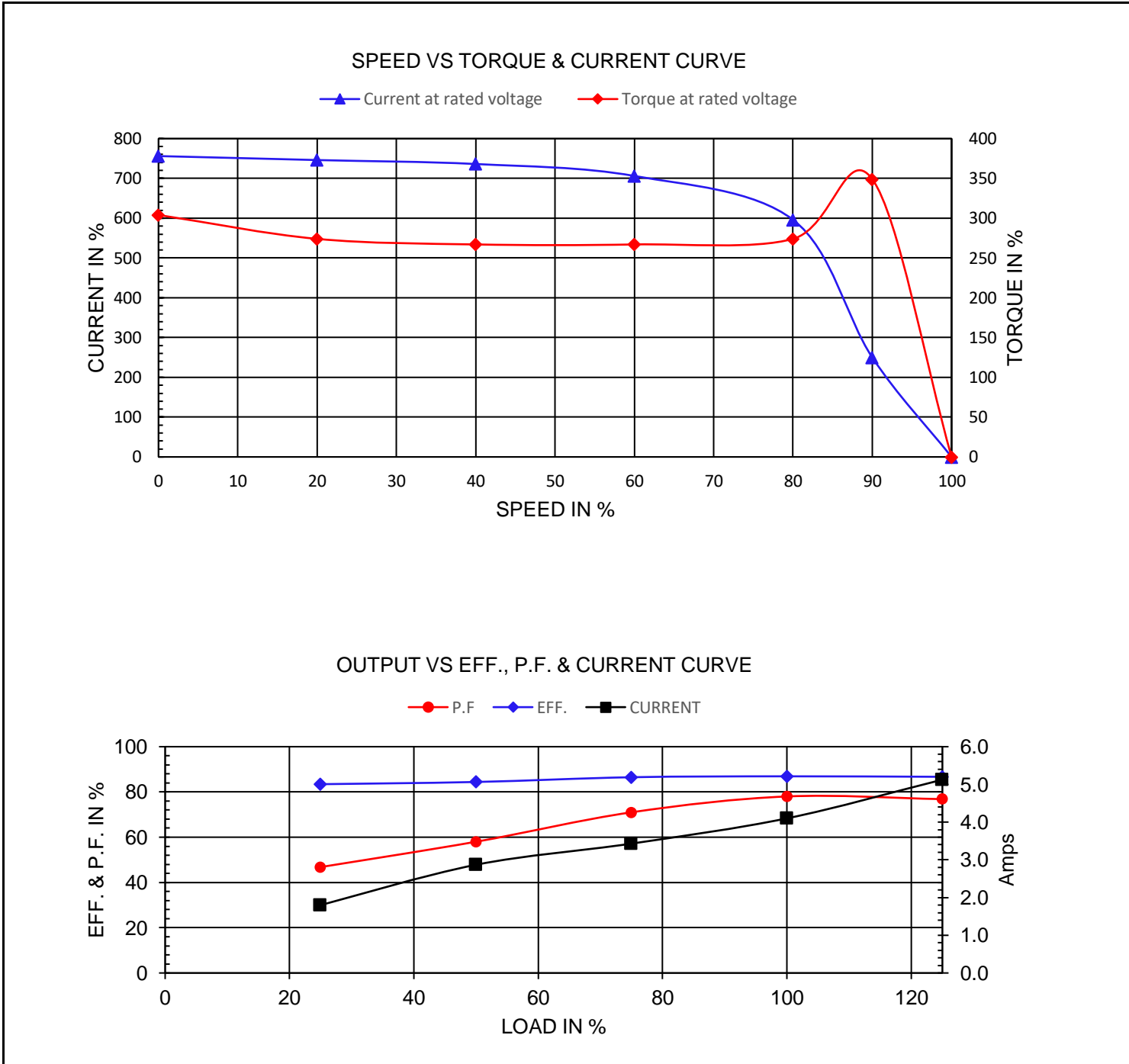


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Motor Type	ODP		FL Speed	1740	
Output Rating (HP)	3		LRT (%FLT)	304	
Full Load Torque	8.9	lb.ft	460 volt FLA	4.1	
Rotor Wk ²	0.869	lb-ft ²	230 volt FLA	8.2	
			BDT (%FLT)	349	



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		OPEN DRIP PROOF 3 PHASE MOTOR										
Model :		Encl : ODP		SN :				CONNECT LINE TO L1 L2 L3				
HP :	Poles :	FR :	Ins : F	IP 23	Max Amb 40°C	Duty : Cont						
Hz : 60			CODE :		Design : B							
Volts : 230/460			P.F. :		DE BRG :							
Amps :			Eff : %		ODE BRG :							
RPM :			S.F. : 1.15		WT : LBS							
			S.F.A :		Date :							
WorldWide Electric Corporation								TO CHANGE VOLTAGE, PULL PLUG, ROTATE 180° AND REINSERT				

Model: ODP3-18-56HZ		Encl: ODP								
HP: 3	Poles: 4	Frame 56HZ		Ins Cl: F	IP IP23					
Hz: 60	Code: K			Design: B						
Volts: 230/460	P.F.: 0.78			DE Brg: 6205ZZ						
Amps: 8.2/4.1	Eff: 86.9%			ODE Brg: 6203ZZ						
RPM: 1740	S.F.: 1.15			WT: 44.1 lbs.						