

DATA SHEET

Premium Efficiency Motor: **ODP10-18-215TC,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	10
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	213/5TC
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1757
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	2.62%
NEMA Design	B
Moment of Inertia	1.221 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	62 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%	91.7 %	0.81
75%	91.4 %	0.80
50%	90.6 %	0.7

TORQUE

FULL LOAD	LRT	BDT
30.14 lb.ft.	323 %	334 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	25.6A	12.8A
Locked Rotor Amps	160.8A	80.4A
No Load Current	10.24A	5.12A
Usable at 208V	14.15A	

BEARING INFORMATION

DE Bearing	6308ZZ
ODE Bearing	6306ZZ
Grease Type	NSK SN7
DE Regreasing Interval	-- Hours
ODE Regreasing Interval	-- Hours
Grease Quantity	--

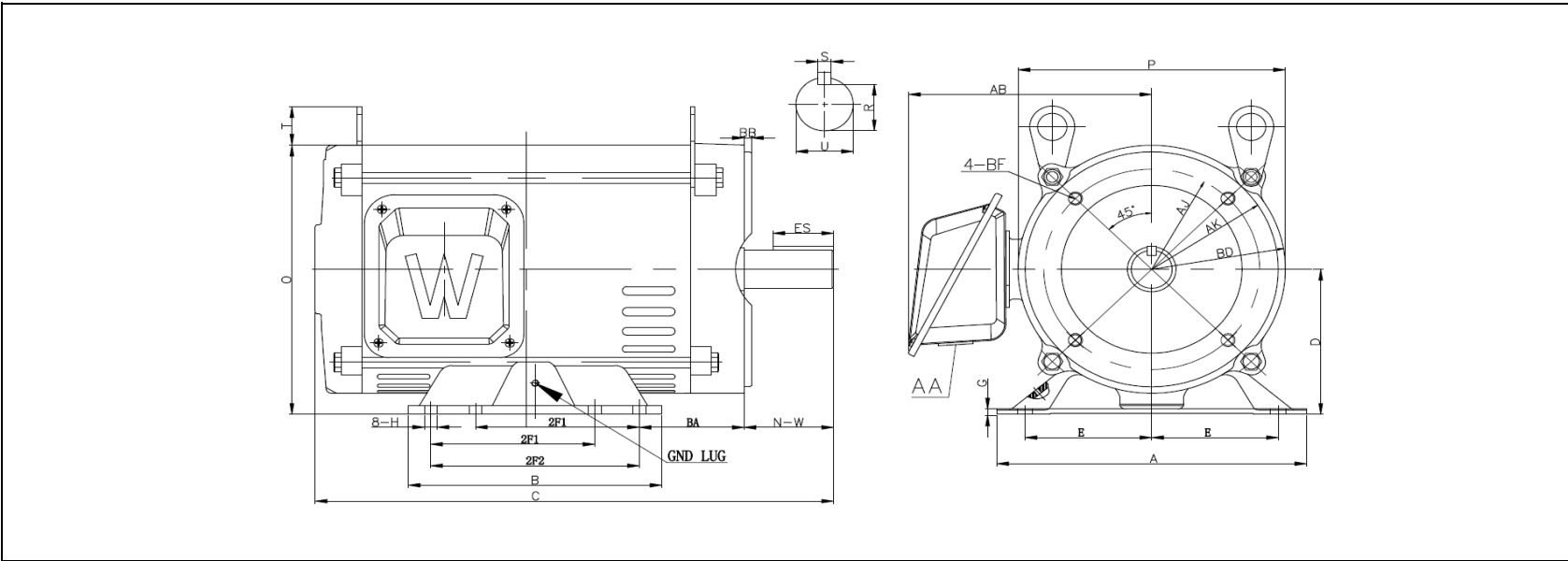
ADDITIONAL DATA

F2 Suitable	No
Shaft Material	AISI 1045
Connection Diagram	9 Lead Wye
Approximate Weight	156 lbs.

MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
4.25	5.5	7	0.43	3.5	9.69	8.19	17.8	5.25	0.16	9.4	9.8	1.5	8.16

SHAFT & KEY				
S	ES	R	N-W	U
0.31	2.41	1.201	3.38	1.375

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

FLANGE				
AK	BD	AJ	BF	BB
8.5	9	7.25	4*1/2-13 UNC	0.25

PERFORMANCE CURVES

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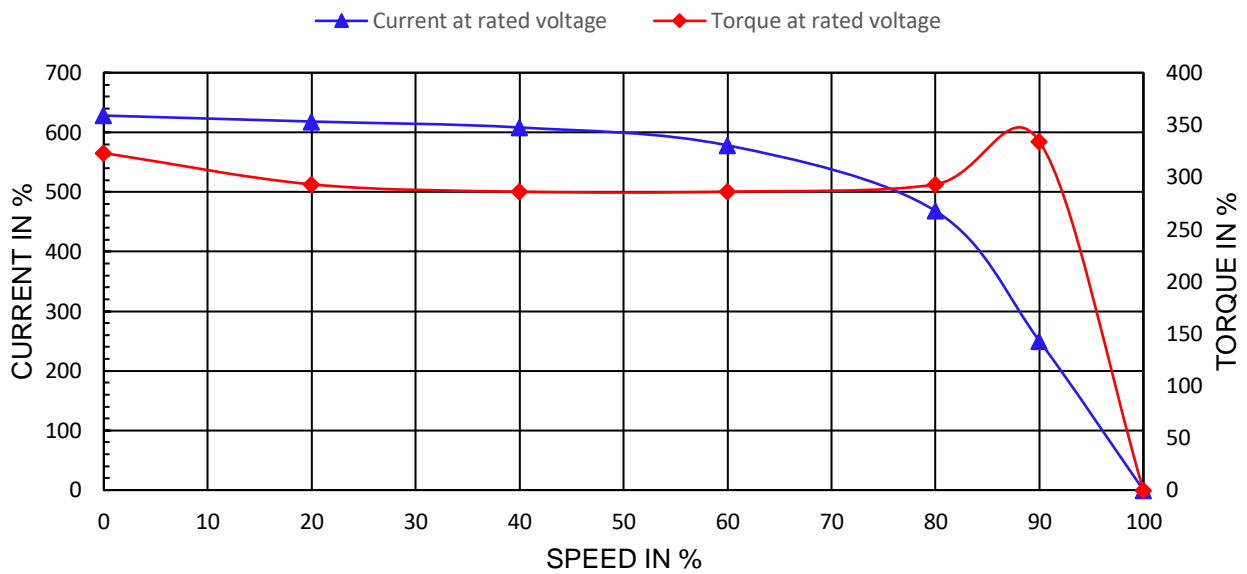
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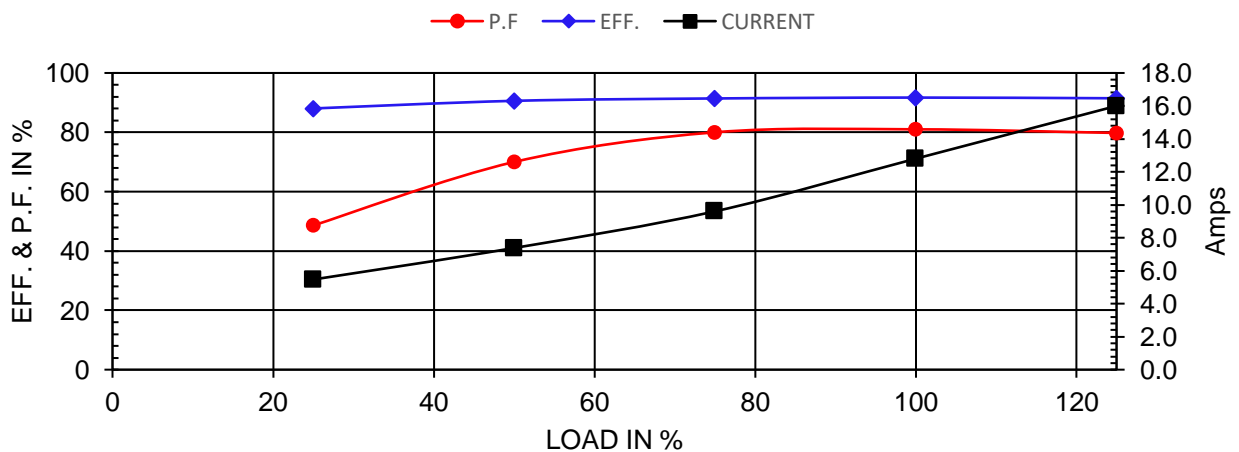
Customer:

Motor Type	ODP		FL Speed	1757	
Output Rating (HP)	10		LRT (%FLT)	323	
Full Load Torque	30.14	lb.ft	460 volt FLA	12.8	
Rotor Wk^2	0.917	lb-ft^2	230 volt FLA	25.6	
			BDT (%FLT)	334	

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F. & CURRENT CURVE



NAMEPLATE / WIRING

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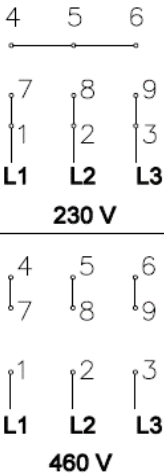


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SAMPLE NAMEPLATE DATA

		CC306B		OPEN DRIP PROOF 3 PHASE MOTOR							
Model :		Encl : ODP		SN :							
HP :	Poles :	FR :	Ins : F	IP 23	Max Amb 40°C	Duty : Cont					
Hz : 60	CODE:		Hz : 50		Design : B						
Volts : 230/460	P.F. :		Volts : 190/380		DE BRG :						
Amps :	Eff : %		Amps :		ODE BRG :		WT : LBS				
RPM :	S.F. : 1.15		RPM :		Date :						
WorldWide Electric Corporation											

Model: ODP10-18-215TC		Encl: ODP					
HP: 10	Poles: 4	Frame 213/5TC	Ins Cl: F	IP IP23			
Hz: 60	Code: H	Hz: 50	Design: B				
Volts: 230/460	P.F.: 0.81	Volts: 190/380	DE Brg: 6308ZZ				
Amps: 25.6/12.8	Eff: 91.7%	Amps: 29.4/14.7	ODE Brg: 6306ZZ				
RPM: 1757	S.F.: 1.15	RPM: 1455	WT: 156 lbs.				
		S.F.: 1.0					