

DATA SHEET

Premium Efficiency Motor: **ODP3-36-145TC,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	3
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	143/5TC
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	2
Full Load Speed	3441
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	K
Duty Cycle	S1 / Continuous
Slip	4.41%
NEMA Design	B
Moment of Inertia	0.108 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	66 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%	85.5 %	0.86
75%	87.7 %	0.81
50%	87.7 %	0.7

TORQUE

FULL LOAD	LRT	BDT
4.5 lb.ft.	402 %	495 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	7.4A	3.7A
Locked Rotor Amps	63.26A	31.63A
No Load Current	3.02A	1.51A
Usable at 208V	4.09A	

BEARING INFORMATION

DE Bearing	6205ZZ
ODE Bearing	6204ZZ
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	39.7 lbs.

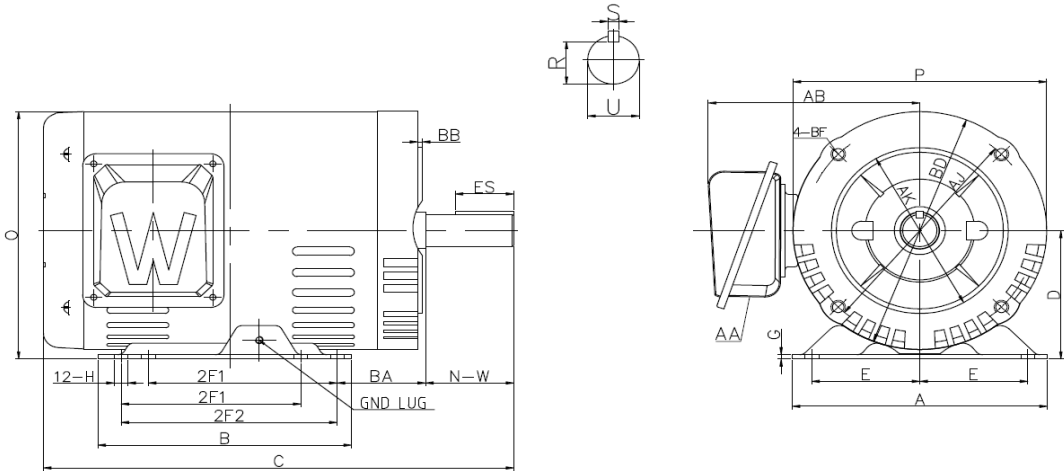
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
2.75	4	5	0.34	2.25	6.5	6.5	11.974	3.5	0.118	6.5	6.73	--	5.384

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

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

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

PERFORMANCE CURVES

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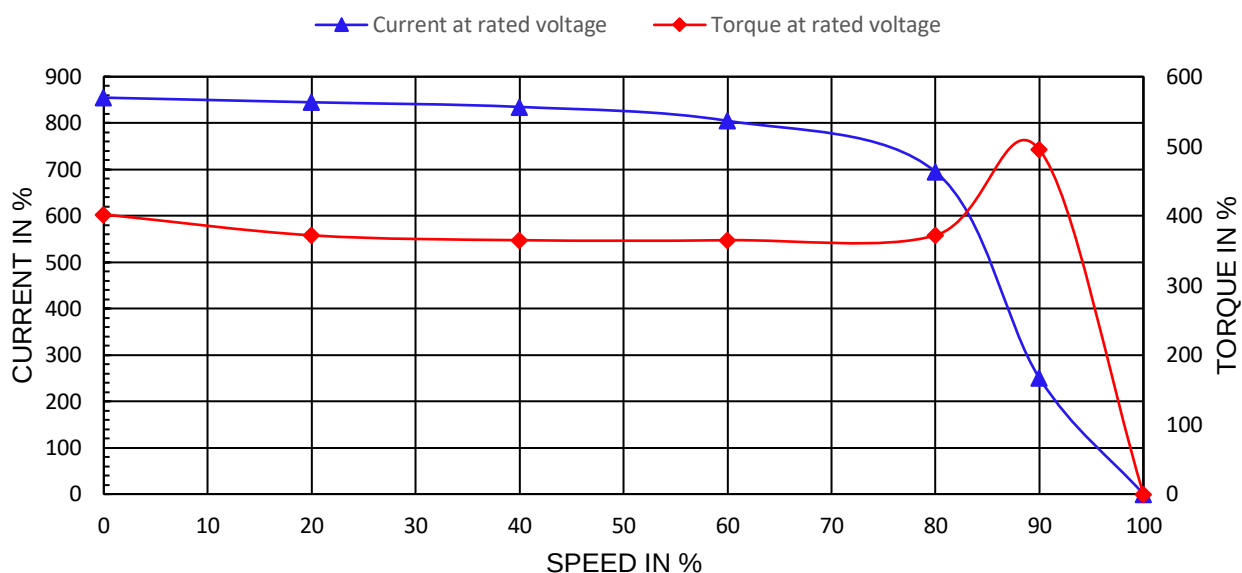
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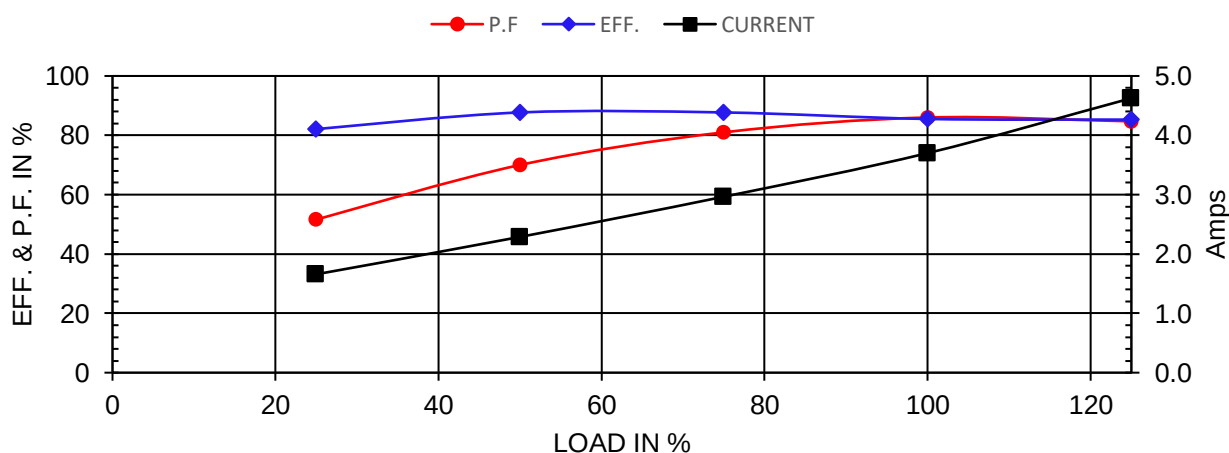
Customer:

Motor Type	ODP		FL Speed	3441	
Output Rating (HP)	3		LRT (%FLT)	402	
Full Load Torque	4.5	lb.ft	460 volt FLA	3.7	
Rotor Wk^2	0.855	lb-ft^2	230 volt FLA	7.4	
			BDT (%FLT)	495	

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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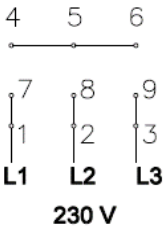
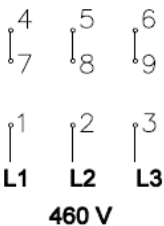


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SAMPLE NAMEPLATE DATA

		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 :				
RPM :	S.F. : 1.15		RPM :		WT : LBS				
						Date :			
WorldWide Electric Corporation									
									
									

Model: ODP3-36-145TC		Encl: ODP					
HP: 3	Poles: 2	Frame 143/5TC	Ins Cl: F	IP IP23			
Hz: 60	Code: K	Hz: 50	Design: B				
Volts: 230/460	P.F.: 0.86	Volts: 190/380	DE Brg: 6205ZZ				
Amps: 7.4/3.7	Eff: 85.5%	Amps: 8.8/4.4	ODE Brg: 6204ZZ				
RPM: 3441	S.F.: 1.15	RPM: 2850	WT: 39.7 lbs.				
		S.F.: 1.0					