

DATA SHEET

Premium Efficiency Motor: **ODP2-18-145T,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION

HP	2
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	143/5T
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1744
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	L
Duty Cycle	S1 / Continuous
Slip	3.12%
NEMA Design	B
Moment of Inertia	0.175 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%	86.5 %	0.79
75%	87.6 %	0.71
50%	86.0 %	0.58

TORQUE

FULL LOAD	LRT	BDT
6.06 lb.ft.	349 %	387 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	5.4A	2.7A
Locked Rotor Amps	47.24A	23.62A
No Load Current	2.96A	1.48A
Usable at 208V	5.97A	

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	38.6 lbs.

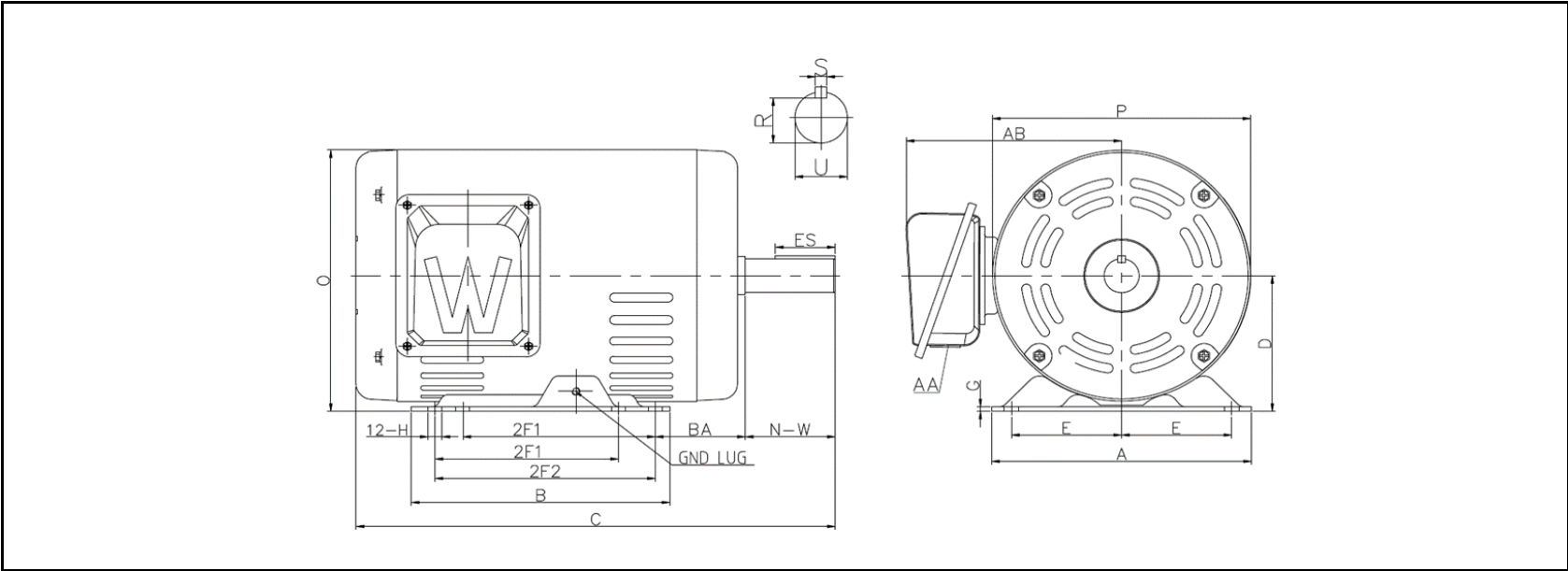
MOTOR DRAWING

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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

PERFORMANCE CURVES

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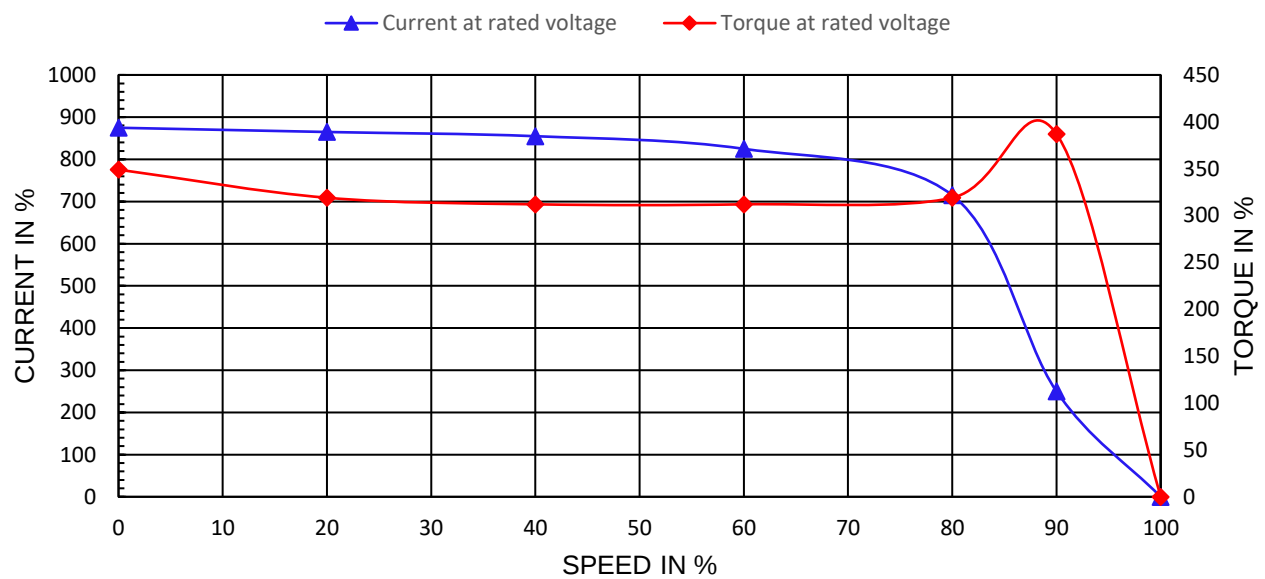
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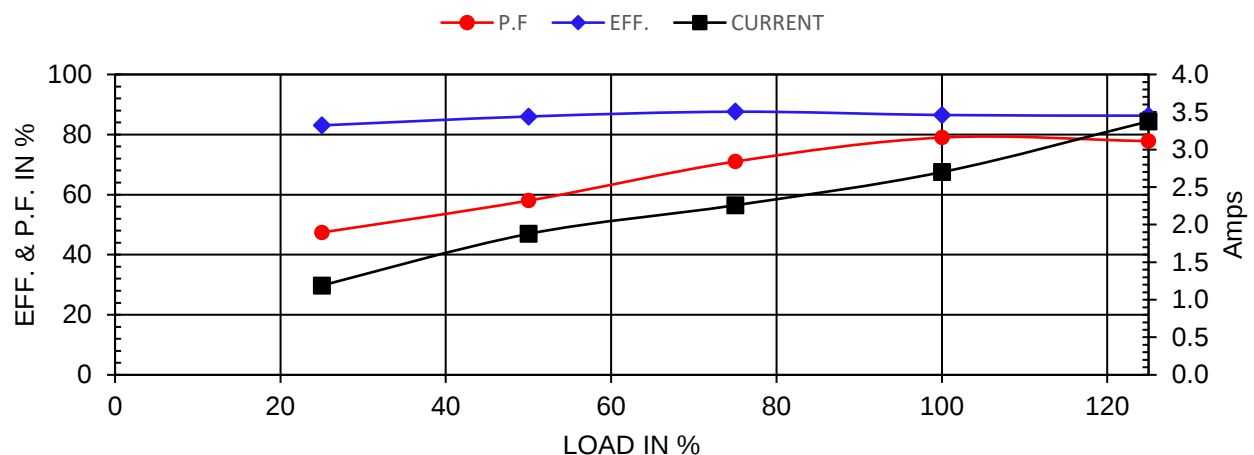
Customer:

Motor Type	ODP				
Output Rating (HP)	2		FL Speed	1744	
Full Load Torque	6.06 lb.ft		LRT (%FLT)	349	460 volt FLA 2.7
Rotor Wk^2	0.865 lb-ft^2		BDT (%FLT)	387	230 volt FLA 5.4

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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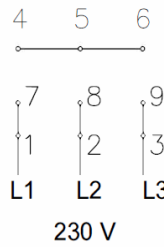
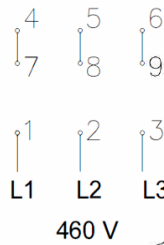
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SAMPLE NAMEPLATE DATA

		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						
				S.F.: 1.0		Date:					
WorldWide Electric Corporation											

Model: ODP2-18-145T		Encl: ODP							
HP:	2	Poles:	4	Frame	143/5T	Ins Cl:	F	IP	IP23
Hz:	60	Code:	L	Hz:	50	Design:	B		
Volts:	230/460	P.F.:	0.79	Volts:	190/380	DE Brg:	6205ZZ		
Amps:	5.4/2.7	Eff:	86.5%	Amps:	6.4/3.2	ODE Brg:	6204ZZ		
RPM:	1744	S.F.:	1.15	RPM:	1448	WT:	38.6 lbs.		
				S.F.:	1.0				