

DATA SHEET

Premium Efficiency Motor: **ODP2-18-145T-F2,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 12-Dec-2023
Document ID:

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	F2
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	2.99A	

BEARING INFORMATION	
DE Bearing	6205ZZ
ODE Bearing	6204ZZ
Grease Type	NSK SN7
DE Regreasing Interval	-- Hours
ODE Regreasing Interval	-- Hours
Grease Quantity	--

ADDITIONAL DATA	
F1 Suitable	No
Shaft Material	AISI 1045
Connection Diagram	9 Lead Wye
Approximate Weight	38.6 lbs.

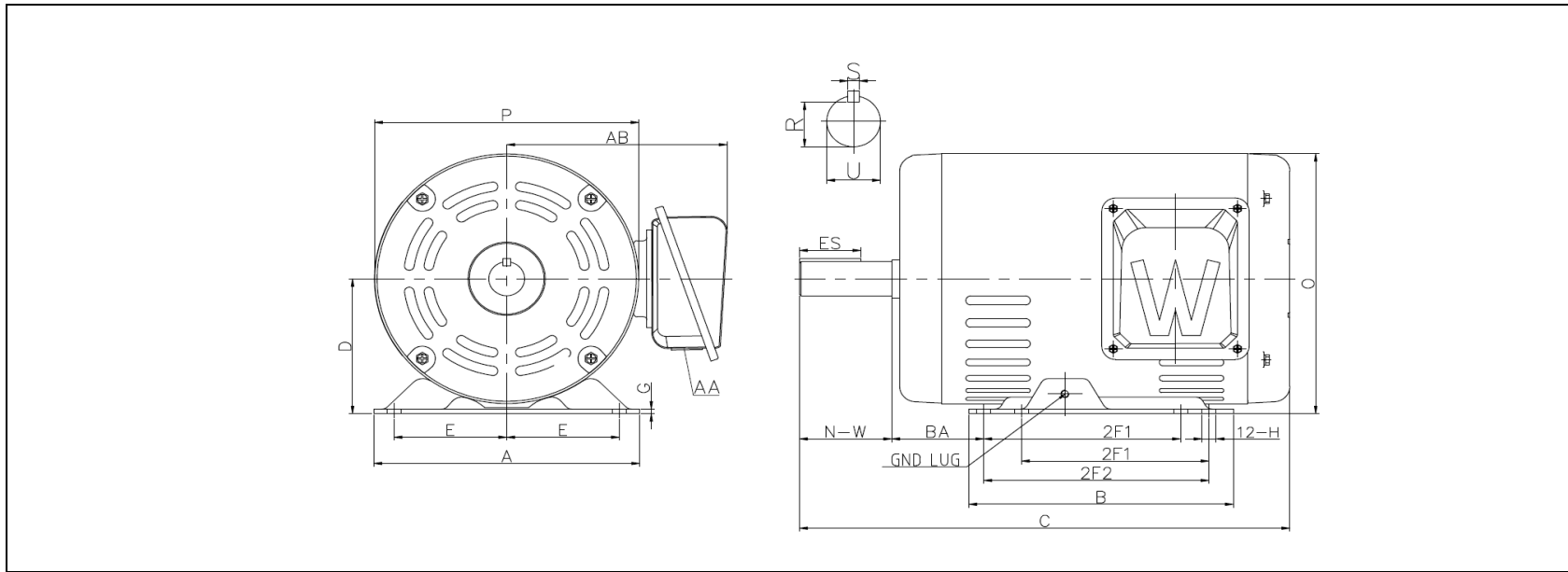
MOTOR DRAWING

Premium Efficiency Motor: **ODP2-18-145T-F2**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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	M5*P0.8
1.09	

PERFORMANCE CURVES

Premium Efficiency Motor:

ODP2-18-145T-F2

WorldWide Electric Corporation

1 (800) 808-2131

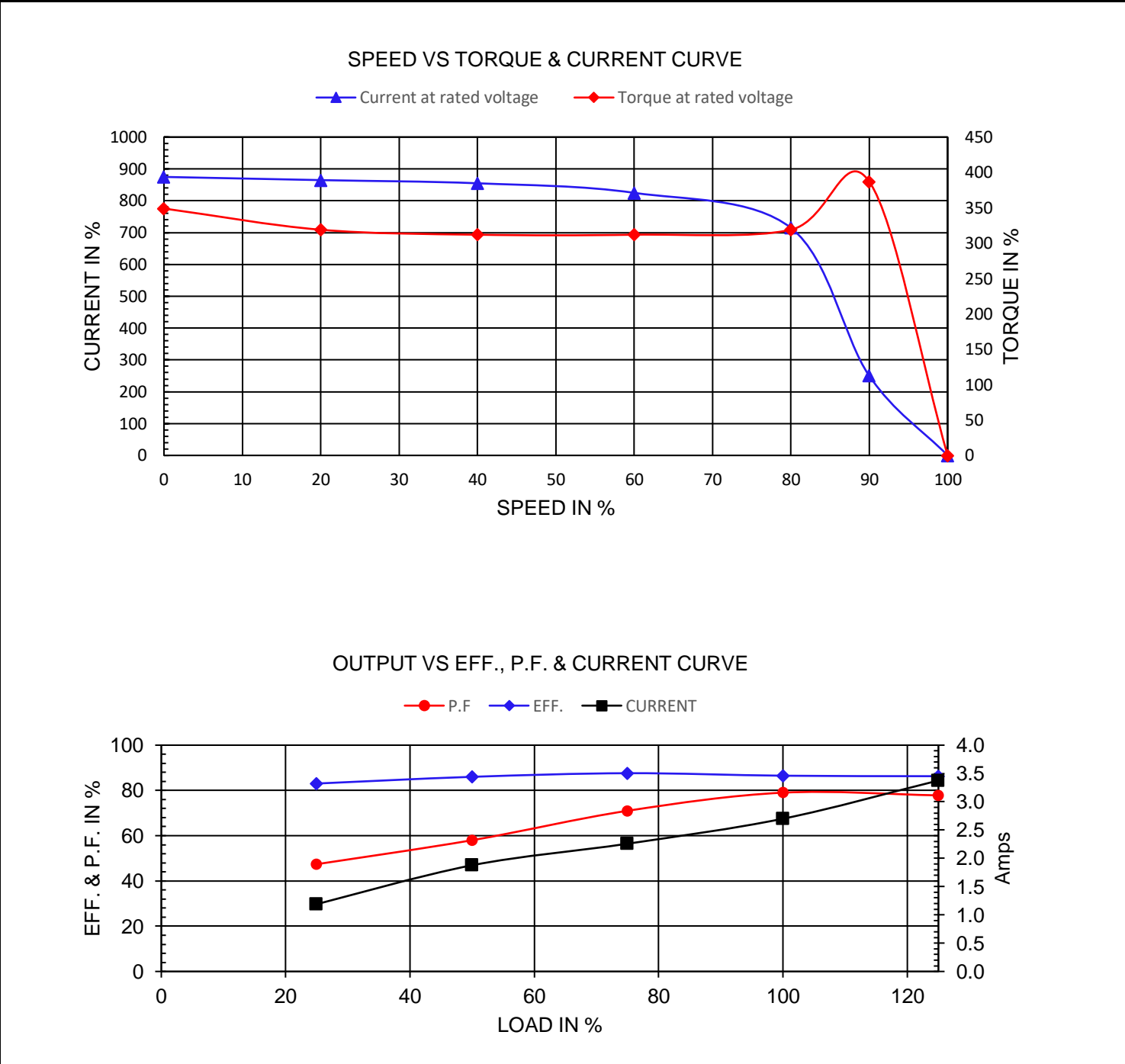
Worldwideelectric.net



Document Generated: 12-Dec-2023
Document ID:

Customer:

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



NAMEPLATE / WIRING

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Premium Efficiency Motor: **ODP2-18-145T-F2**

Document Generated: 12-Dec-2023
Document ID:

Customer:

SAMPLE NAMEPLATE DATA

		OPEN DRIP PROOF 3 PHASE MOTOR									
Model :		Encl : ODP		SN :				4 5 6 		230 V	
HP :	Poles :	FR :	Ins : F	IP 23	Max Amb 40°C	Duty : Cont		7 8 9 1 2 3 L1 L2 L3		460 V	
Hz : 60	CODE:		Hz : 50	Design : B		DE BRG :		4 5 6 7 8 9 1 2 3 L1 L2 L3		460 V	
Volts : 230/460	P.F. :		Volts : 190/380	ODE BRG :		WT : LBS		1 2 3 L1 L2 L3		460 V	
Amps :	Eff: %		Amps :	Date :		S.F. : 1.15		1 2 3 L1 L2 L3		460 V	
RPM :	S.F. : 1.15		RPM :	WT : LBS		Date :		1 2 3 L1 L2 L3		460 V	
WorldWide Electric Corporation											

Model: ODP2-18-145T-F2		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												