DATA SHEET

Premium Efficiency Motor: **ODP30-18-286T,** **60 Hz**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated: 31-Mar-2025
Document ID:

Customer:

MOTOR INFORMATION

HP	30
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	284/6T
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1775
Insulation Class	F
Temp Rise	80˚C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.40%
NEMA Design	B
Moment of Inertia	3.688 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	72 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

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	AISI 1045
Connection Diagram	12 Lead Delta
Approximate Weight	330 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	94.1 %	0.84
75%	94.4 %	0.80
50%	94.0 %	0.72

TORQUE

FULL LOAD	LRT	BDT
87.47 lb.ft.	289 %	333 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	70.2A	35.1A
Locked Rotor Amps	433A	216.5A
No Load Current	24.8A	12.4A
Usable at 208V	26.1A	

BEARING INFORMATION

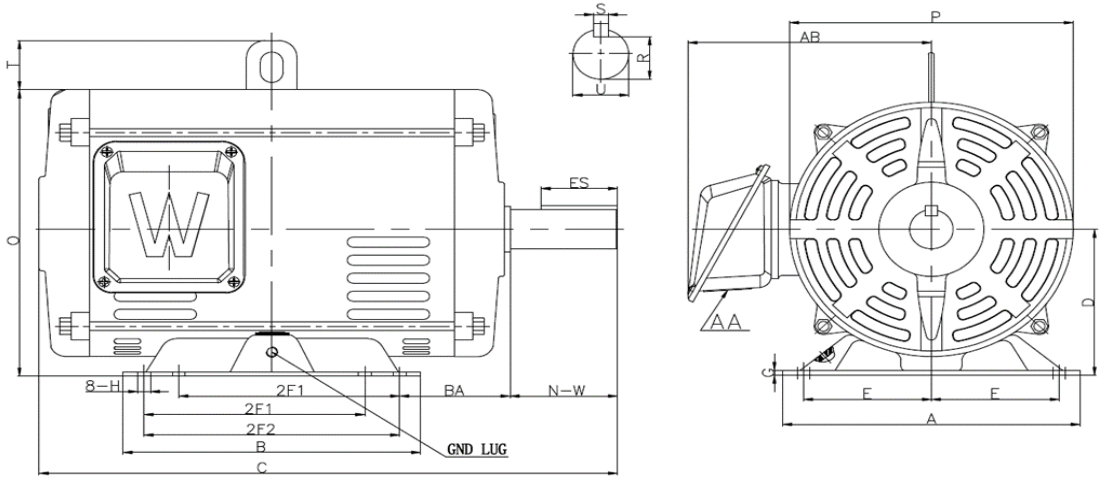
DE Bearing	6311Z
ODE Bearing	6310Z
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	17g/15g

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

MOTOR DRAWING

Premium Efficiency Motor: **ODP30-18-286T**

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									
5.5	9.5	11	0.53	4.75	12.8	12.8	25	7	0.24	12.2	13.1	2.36	11.1

SHAFT & KEY				
S	ES	R	N-W	U
0.5	3.28	1.591	4.62	1.875

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

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

PERFORMANCE CURVES

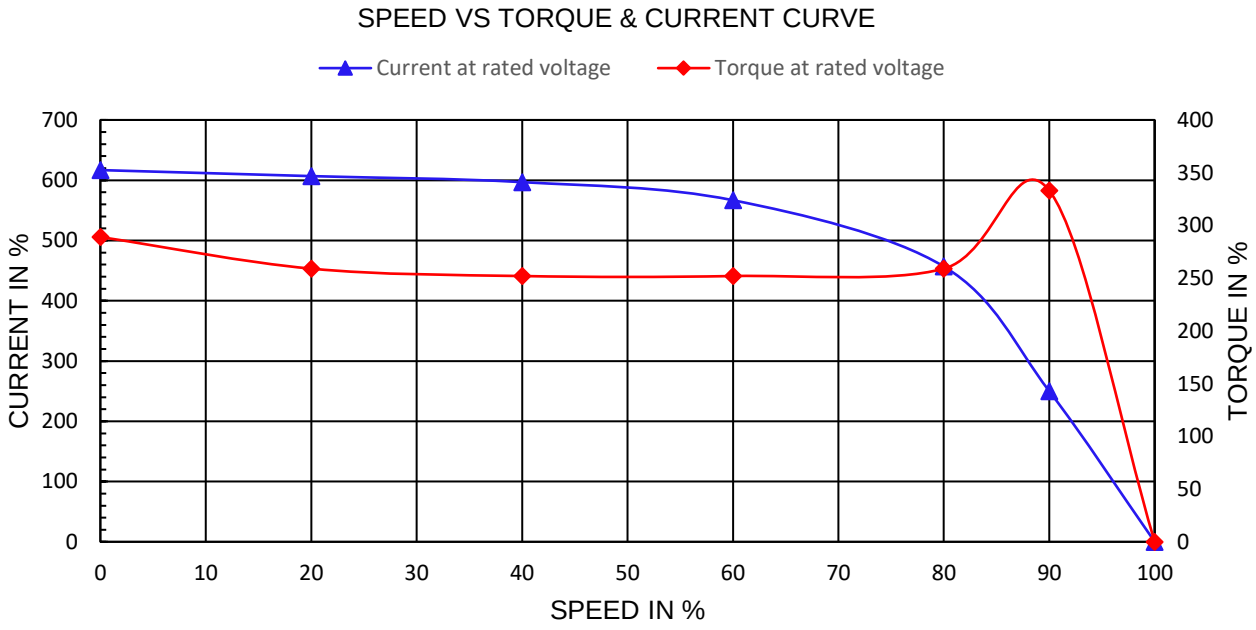
Premium Efficiency Motor: **ODP30-18-286T**

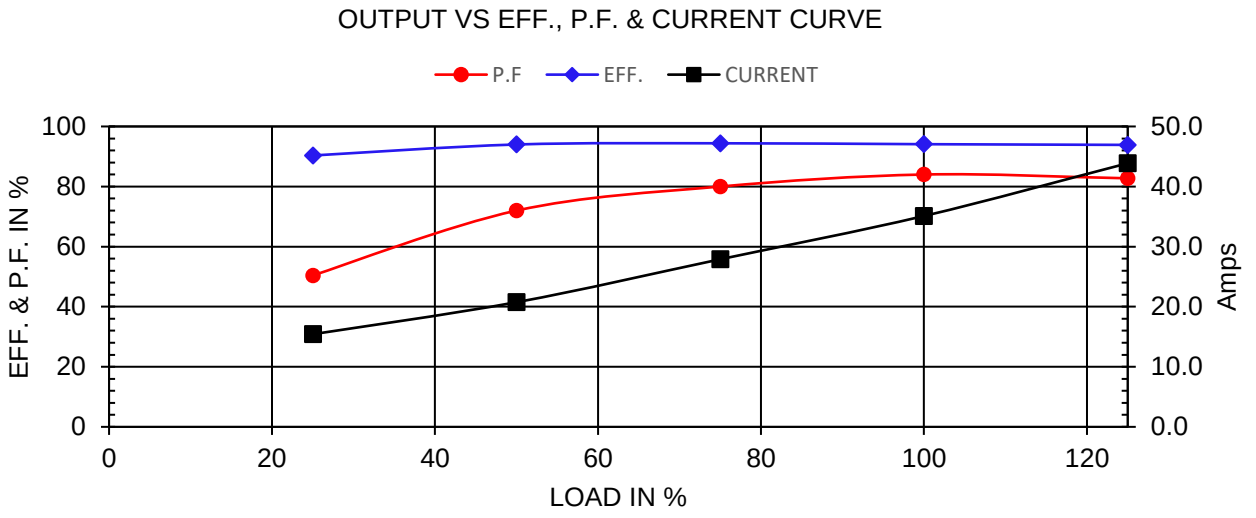
WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated:	31-Mar-2025
Document ID:	

Customer:

Motor Type	ODP					
Output Rating (HP)	30		FL Speed	1775		
Full Load Torque	87.47	lb.ft	LRT (%FLT)	289	460 volt FLA	35.1
Rotor Wk^2	0.941	lb-ft^2	BDT (%FLT)	333	230 volt FLA	70.2





This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization.

NAMEPLATE / WIRING

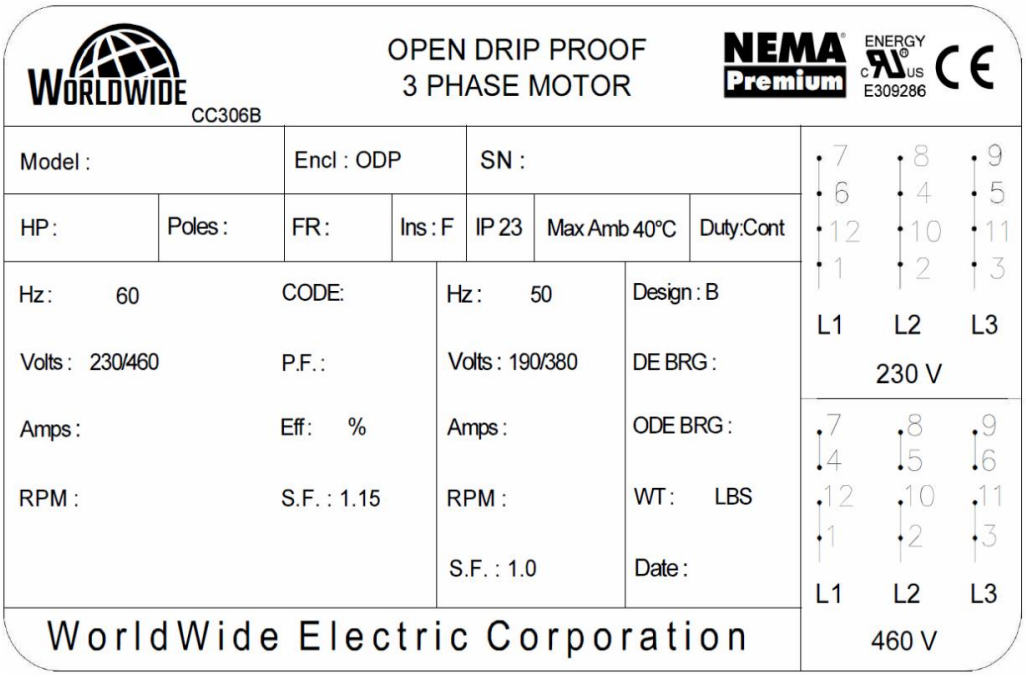
Premium Efficiency Motor: **ODP30-18-286T**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated:	31-Mar-2025
Document ID:	

Customer:

SAMPLE NAMEPLATE DATA



Model:	ODP30-18-286T			**Encl:**	ODP				
HP:	30	**Poles:**	4	**Frame**	284/6T	**Ins Cl:**	F	**IP**	IP23
Hz:	60	**Code:**	G	**Hz:**	50	**Design:**	B		
Volts:	230/460	**P.F.:**	0.84	**Volts:**	190/380	**DE Brg:**	6311Z		
Amps:	70.2/35.1	**Eff:**	94.1%	**Amps:**	84.2/42.1	**ODE Brg:**	6310Z		
RPM:	1775	**S.F.:**	1.15	**RPM:**	1455	**WT:**	330 lbs.		
				S.F.:	1.0				

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization