

DATA SHEET

Premium Efficiency Motor: **ODP100-36-365TSC,**

60 Hz



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Customer:

MOTOR INFORMATION

HP	100
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	364/5TSC
Enclosure	ODP
Degree of Protection	IP23
Service Factor	1.15
Poles	2
Full Load Speed	3562
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	F
Duty Cycle	S1 / Continuous
Slip	1.07%
NEMA Design	B
Moment of Inertia	7.508 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	87 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%	93.6 %	0.9
75%	95.3 %	0.89
50%	95.0 %	0.86

TORQUE

FULL LOAD	LRT	BDT
148 lb.ft.	244 %	274 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	221.2A	110.6A
Locked Rotor Amps	1354.8A	677.4A
No Load Current	45.4A	22.7A
Usable at 208V	244.6A	

BEARING INFORMATION

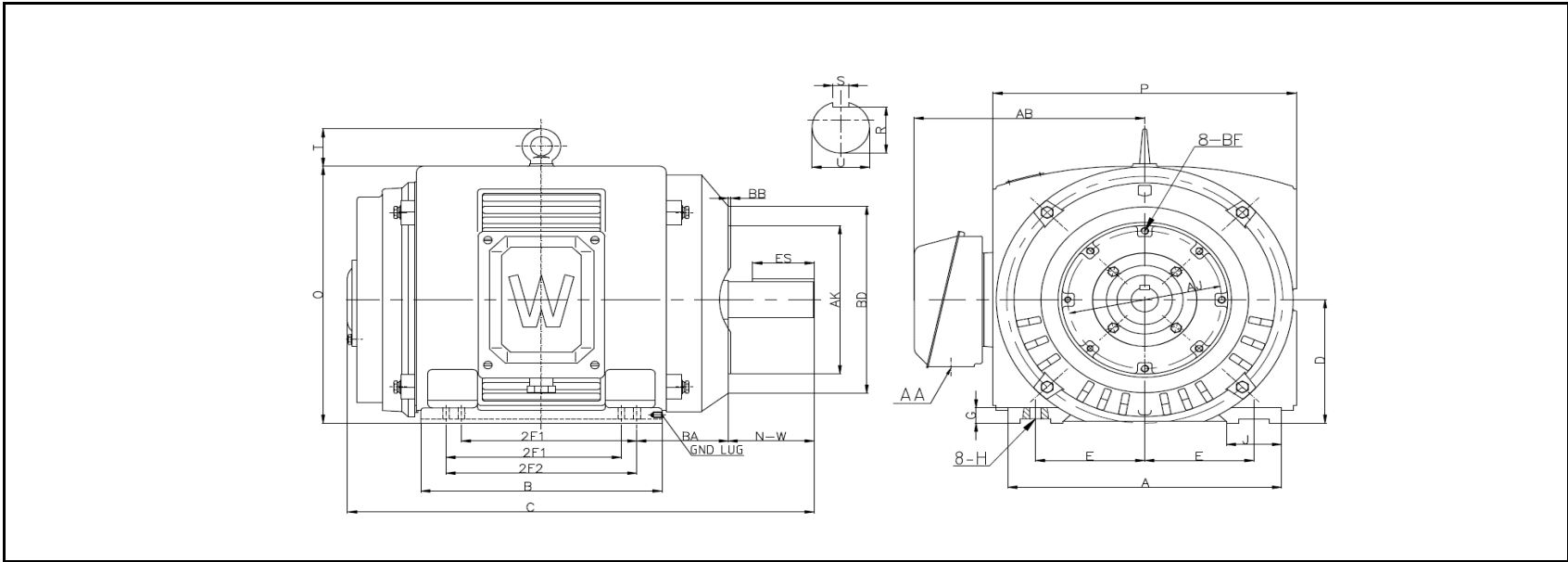
DE Bearing	6314
ODE Bearing	6212
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	26g/12g

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	AISI 1045
Connection Diagram	12 Lead Delta
Approximate Weight	812 lbs.

MOTOR DRAWING

Premium Efficiency Motor: ODP100-36-365TSC



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
7	11.25	12.25	0.66	5.88	17.6	15.51	28.8	9	1.1	19.48	18.5	2.7	14.8

SHAFT & KEY				
S	ES	R	N-W	U
0.5	2.03	1.591	3.75	1.875

T-BOX	GND LUG
AA	
3	M10*P1.5

FLANGE				
AK	BD	AJ	BF	BB
12.5	14	11	8*5/8-11 UNC	0.25

PERFORMANCE CURVES



Premium Efficiency Motor:

ODP100-36-365TSC

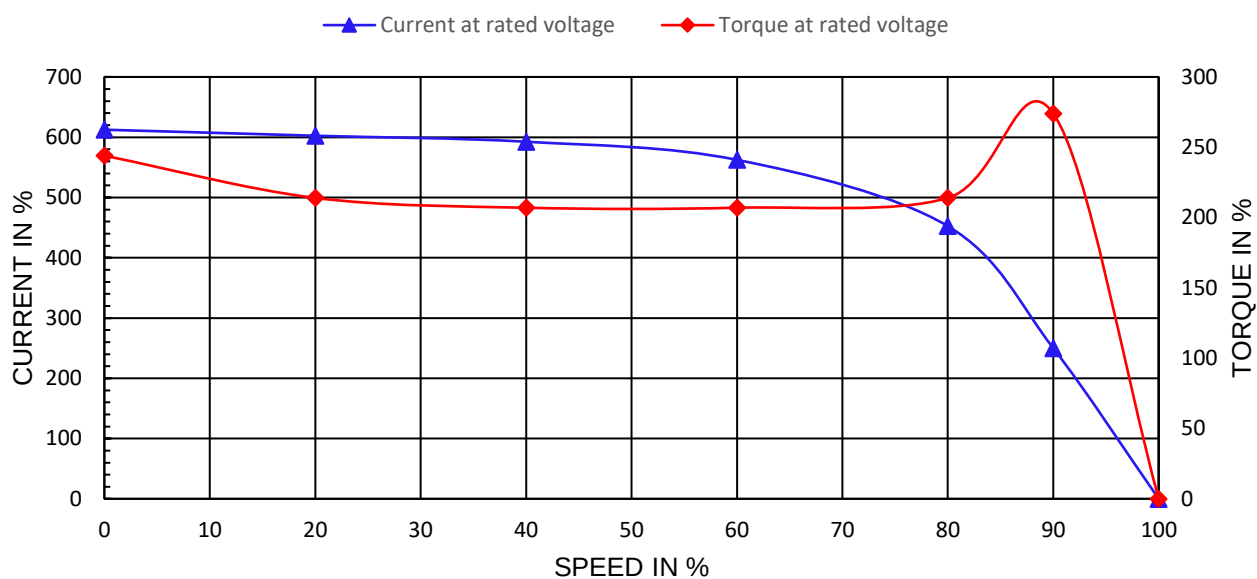
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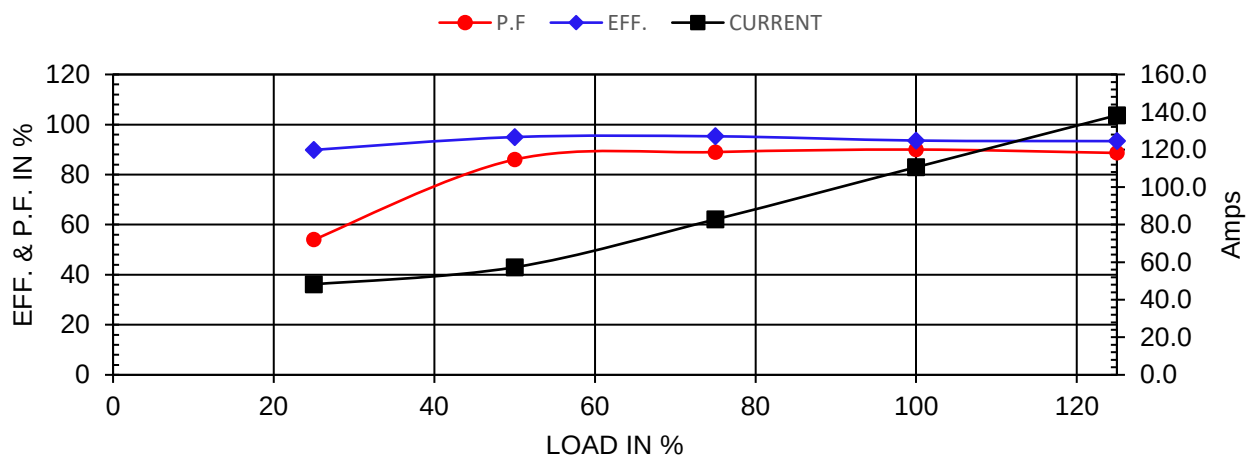
Customer:

Motor Type	ODP		FL Speed	3562	460 volt FLA	110.6
Output Rating (HP)	100		LRT (%FLT)	244	230 volt FLA	221.2
Full Load Torque	148	lb.ft	BDT (%FLT)	274		
Rotor Wk^2	0.936	lb-ft^2				

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

CC306B		OPEN DRIP PROOF 3 PHASE MOTOR							
Model :		Encl :		SN :		7 6 12 1 L1 8 4 10 2 L2 9 5 11 3 L3 230 V			
HP :	Poles :	FR:	Ins :	IP23	Max Amb 40°C			Duty:Cont	
Hz :	CODE :	Hz :	Design :						
Volts :	P.F :	Volts :	DE BRG :						
Amps :	Eff :	Amps :	ODE BRG :			7 4 12 1 L1 8 5 10 2 L2 9 6 11 3 L3 460 V			
RPM :	S.F :	RPM :	WT :						
		S.F :	Date :						
WorldWide Electric Corporation									

Model: ODP100-36-365TSC		Encl: ODP				
HP:	100	Poles:	2	Frame	364/5TSC	Ins Cl: F
Hz:	60	Code:	F	Hz:	50	Design: B
Volts:	230/460	P.F.:	0.9	Volts:	190/380	DE Brg: 6314
Amps:	221.2/110.6	Eff:	93.6%	Amps:	273/136.5	ODE Brg: 6212
RPM:	3562	S.F.:	1.15	RPM:	2946	WT: 812 lbs.
				S.F.:	1.0	
				IP	IP23	