

DATA SHEET

Premium Efficiency Motor: **PEWWE7.5-18-213TZ-GD,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 11-Dec-2023
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Customer:

MOTOR INFORMATION	
HP	7.5
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	213TZ
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1760
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1 / Continuous
Slip	2.22%
NEMA Design	B
Moment of Inertia	0.652 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	63 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	Class 1 Division 2 Groups A,B,C,D - T3C
Inverter Rating	10:1 CT / 20:1 VT
Standard	NEMA MG-1
Approvals	CSA, CE

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	91.7 %	0.83
75%	91.8 %	0.78
50%	91.2 %	0.67

TORQUE		
FULL LOAD	LRT	BDT
22.4 lb.ft.	170 %	390 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	18.5A	9.23A
Locked Rotor Amps	127A	63.5A
No Load Current	8A	4A

BEARING INFORMATION	
DE Bearing	6308ZZ C3
ODE Bearing	6207ZZ C3

ADDITIONAL DATA	
F2 Suitable	N
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 9 Lead Δ
Lead Length	72 inches
Approximate Weight	159 lbs.

PERFORMANCE CURVES

Premium Efficiency Motor:

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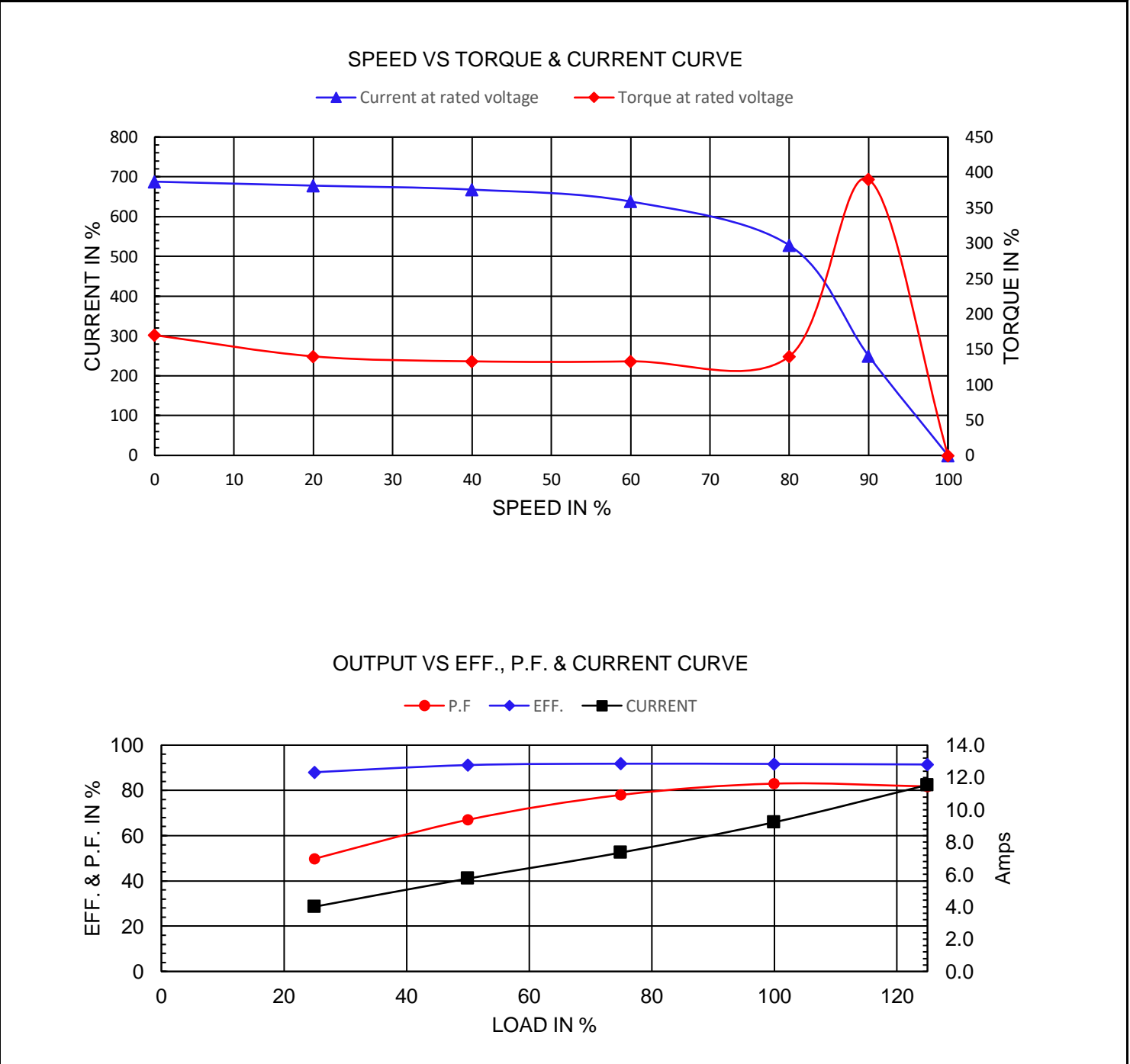
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Motor Type	PEWWE				
Output Rating (HP)	7.5	FL Speed	1760		
Full Load Torque	22.4 lb.ft	LRT (%FLT)	170	460 volt FLA	9.23
Rotor Wk ²	0.652 lb-ft ²	BDT (%FLT)	390	230 volt FLA	18.5



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277		CE													
Model		Ser No.		Low Voltage		<table border="1"> <tr><td>6</td><td>4</td><td>5</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>L1</td><td>L2</td><td>L3</td></tr> </table>			6	4	5	7	8	9	1	2	3	L1	L2	L3	
6	4	5																			
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L1	L2	L3																			
HP	S.F.	IP	Encl	High Voltage			<table border="1"> <tr><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td></tr> <tr><td>1</td><td>2</td><td>3</td></tr> <tr><td>L1</td><td>L2</td><td>L3</td></tr> </table>			4	5	6	7	8	9	1	2	3	L1	L2	L3
4	5	6																			
7	8	9																			
1	2	3																			
L1	L2	L3																			
Frame	P.F.	Code	Type																		
Voltage	Hz	Ins Cl	Rating	°C Amb Cont																	
Amps	RPM	Design	Date																		
Nom.Eff.	FL	% 3/4	% 230/460V	10:1 CT 20:1 VT PWM VFD 1.0SF																	
Class I DIV. 2 Groups A B C D		Amb.40°C	T3C(160°C)	DE Brng																	
Class I Zone 2 IIC		Amb.55°C	T3A(180°C)	ODE Brng																	
Grease type:																					
50Hz	HP	V	A	rpm	S.F1.0																
WorldWide Electric Corporation																					

Model	PEWWE7.5-18-213TZ-GD						
HP	7.5	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	213TZ	P.F.	0.83	Code	H	Type	BJPE
Voltage	230/460	Hz	60	Ins Cl	F	Rating	40°C
Amps	18.5/9.23	RPM	1760	Design	B	DE Brng	6308ZZ C3
Nom.Eff.	91.7%	3/4 Eff	91.8%	ODE Brng			6207ZZ C3
50Hz							
HP	7.5	Volts	200/400	200V FLA	22.2A	RPM	1455
				400V FLA	11.1		