

DATA SHEET

Premium Efficiency Motor: **PEWWE75-18-575-365T**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	75
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	575 V
Frame Size	365T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1780
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.10%
NEMA Design	B
Moment of Inertia	17.5 lb.ft.^2
Locked Rotor Time (Hot)	13 seconds
Sound Pressure Level	74 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 I, Division 2, Groups A, B, C, D
Inverter Rating	10:1 CT / 20:1 VT PWM Type
Standard	NEMA MG-1
Approvals	CSA-US, CE

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	95.4 %	0.83
75%	95.5 %	0.80
50%	95.3 %	0.71

TORQUE		
FULL LOAD	LRT	BDT
221 lb.ft.	190 %	250 %

AMPERAGE INFORMATION		
	575V	
Full Load Amps	71A	
Locked Rotor Amps	434A	
No Load Current	25A	

BEARING INFORMATION	
DE Bearing	6313 C3
ODE Bearing	6312 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	3000 Hours
ODE Regreasing Interval	4000 Hours

ADDITIONAL DATA	
F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	575V - 6 Lead Δ
Approximate Weight	858 lbs.

PERFORMANCE CURVES

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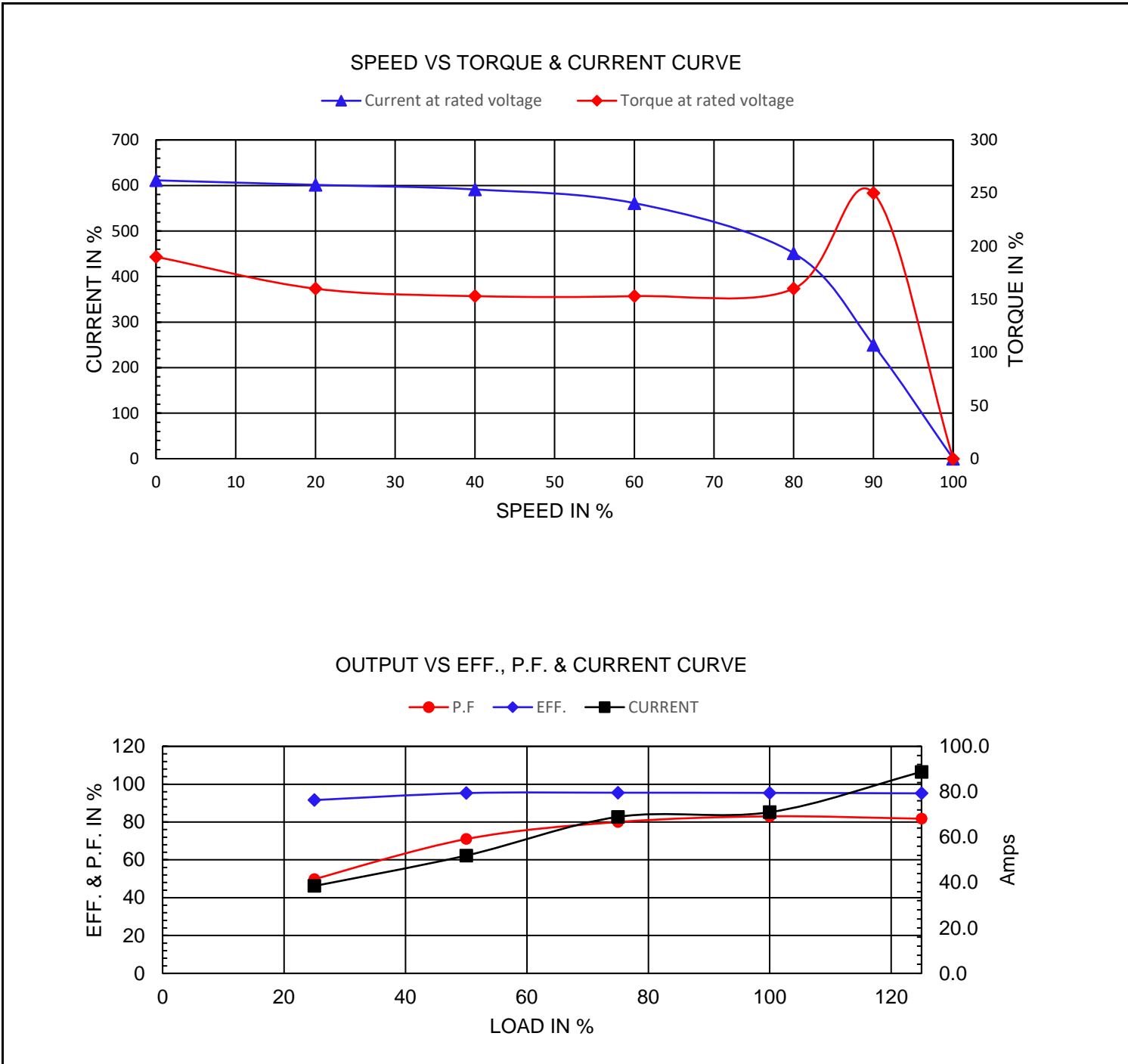
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Motor Type	PEWWE		
Output Rating (HP)	75	FL Speed	1780
Full Load Torque	140 lb.ft	LRT (%FLT)	190
Rotor Wk^2	1.1 lb-ft^2	BDT (%FLT)	250
		575 Volt FLA	71A



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277	CE										
							CC006A										
Model				Ser No.				Connection									
HP		S.F.		IP		Encl	<table border="1"> <tr><td>6</td><td>4</td><td>5</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	1	2	3	L1	L2	L3
6	4	5															
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	%	V	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: LGHP 2 (compatible with polyrex)													
	50Hz	HP	V	A	rpm	S.F.1.0											
WorldWide Electric Corporation																	

Model	PEWWE75-18-575-365T						
HP	75	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	365T	P.F.	0.83	Code	G	Amb.	40°C
Voltage	575 V	Hz	60 Hz	Ins Cl	F	DE Brng	6313 C3
Amps	71A	RPM	1780	Design	B	ODE Brng	6312 C3
Nom. Eff.	FL	95.4%	3/4	95.5%			

50Hz	75 HP	500 V	83.3 A	1480 RPM
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