



DATA SHEET

Premium Efficiency Motor: **PEWWE75-18-365T****60 Hz**

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MOTOR INFORMATION

HP	75
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460 V
Frame Size	365T
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load	1780
Speed	F
Temperature Class	80°C
NEMA Code Letter	G
Duty	S1 / Continuous
Slip	1.10%
NEMA Design	B
Moment of Inertia	17.5 lb.ft.^2
Locked Rotor Time	13 seconds
(Hot) Sound Pressure	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 1 Division 2 Groups A,B,C,D T3A(180°C)
Inverter Rating	10:1 CT / 20:1 VT PWM
Standard	Type NEMA MG-1
Approvals	CSA-US, CE

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	95.4	
%	0.83955%	0.80
50%	95.3 %	0.71

TORQUE

FULL LOAD	LRT	BD
221 lb.ft.	190 %	250 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	177A	88.7A
Locked Rotor Amps	1085A	542.5A
No Load Current	75A	32.5A
Usable at 208V	196A	

BEARING INFORMATION

DE Bearing	6313 C3
ODE Bearing Grease Ty	6312 C3
pe DE Regreasing	SKF LGHP 2
Interval	3000 Hours
ODE Regreasing Interval	4000 Hours

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate	858 lbs.

Weight



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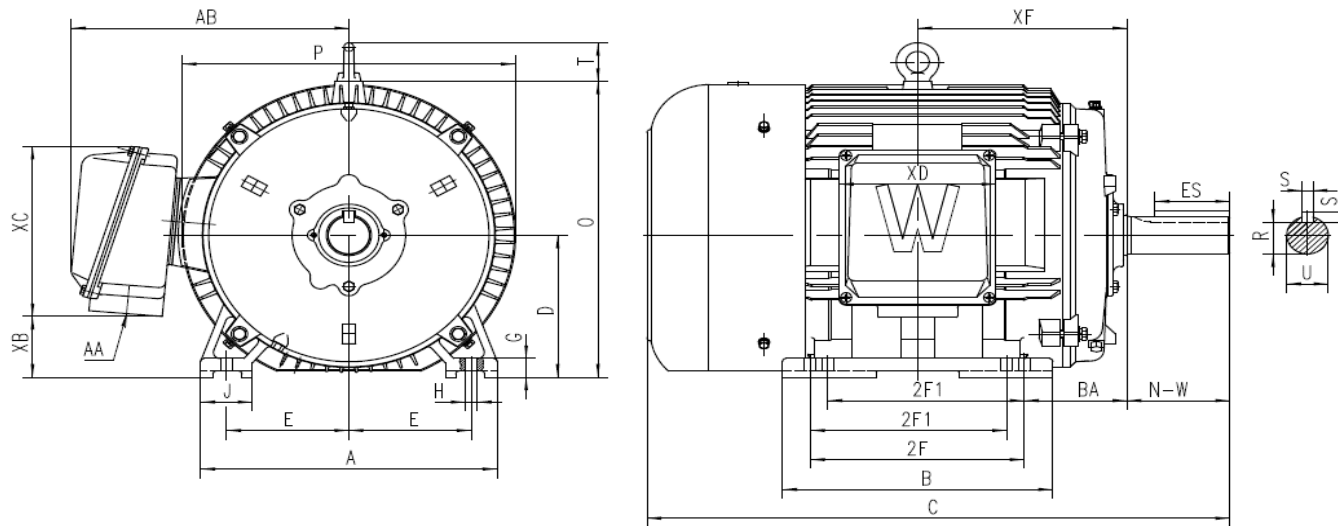
AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

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MOTOR DRAWING

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



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
7	11.25	12.25	0.66	5.88	16.969	15.472	33.36	9	1.181	2.953	19.091	18.8	2.441	15.899

SHAFT & KEY				
S	ES	R	N-W	U
0.625	4.28	2.021	5.88	2.375

TERMINAL BOX				
AA	XB	XC	XD	XF
3	3.849	10.783	8.976	11.988

PERFORMANCE CURVES

Premium Efficiency Motor:

PEWWE75-18-365T

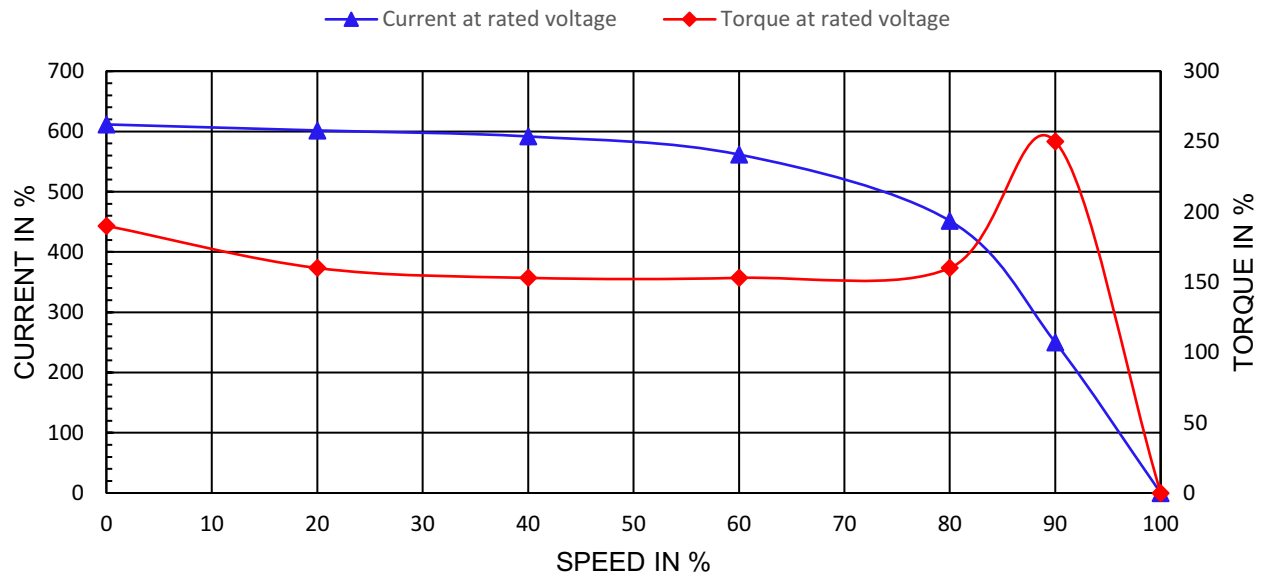
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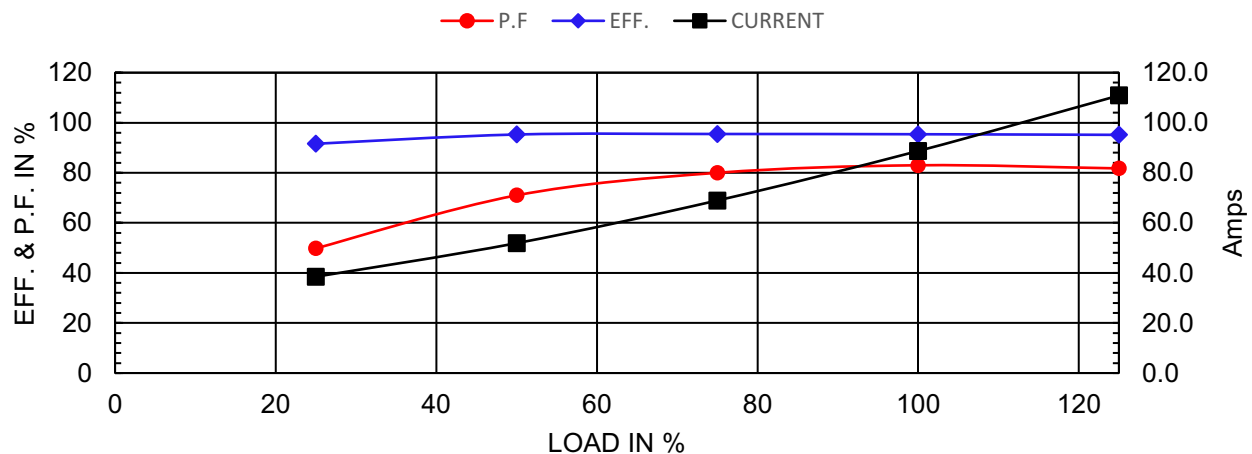
Motor Type	PEWWE		FL Speed	1780	
Output Rating	75		LRT (%FLT)	190	460 volt FLA 88.7 A
(HP) Full Load	221	lb.ft	BDT (%FLT)	250	230 volt FLA 177 A
Torque Rotor	17.5	lb-ft^2			

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		NEMA Premium		3-PHASE INDUCTION MOTOR		259277 	CE CC006A
Model		Ser No.					
HP		S.F.		IP		Encl	
Frame		P.F.		Code		Type	
Voltage	230/460	Hz		Ins Cl		Rating	°C Amb Cont
Amps		RPM		Design		Date	
Nom.Eff. FL % 3/4 % 230/460 V 10:1 CT 20:1 VT PWM VFD 1.0SF							
Class I DIV. 2 Groups A B C D Class I Zone 2 II C				DE Brng ODE Brng Grease type: LGHP 2 (compatible with polyrex)			
50Hz HP V A rpm 1.0SF							
WorldWide Electric Corporation							

Model	PEWWE75-18-365T						
HP	75	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	365T	P.F.	0.83	Code	G	Type	
Voltage	230/460 V	Hz	60 Hz	Ins Cl	F	Ambient	40°C
Amps	177/88.7	RPM	1780	Design	B	DE Brng 6313 C3	
Nom.Eff.	FL	95.4%	3/4	95.5%	ODE Brng 6312 C3		
Class 1 Division 2 Groups A,B,C,D T3A(180°C)					Grease type: SKF LGHP 2		
50Hz	75 HP	200/400 V	208/104	A	1480 rpm		