



DATA SHEET

Premium Efficiency Motor: **SSPE10-18-215TCRD,****60 Hz**

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Customer:

MOTOR INFORMATION

HP	10
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	215TC
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	4
Full Load Speed	1760
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1
Slip	2.22%
NEMA Design	B
Moment of Inertia	1.16 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	69 dB(A)
Number of Starts	12
Max Ambient Temperature	40° C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	C-Face Round Body
Rotation	Bidirectional
Area of Classification	Class 1 Division 2 Gr. A,B,C,D - T3
Inverter Rating	6:1 CT/20:1 VT - T3
Standard	NEMA MG1, UL1004
Approvals	CSA,UL,CE

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	91.7 %	0.83
75%	92.0 %	0.76
50%	91.0 %	0.65

TORQUE

FULL LOAD	LRT	BDT
29.3 lb.ft.	200 %	265 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	24.4	12.2
Locked Rotor Amps	162	81
No Load Current	12.2	6.1
Usable at 208V		26

BEARING INFORMATION

DE Bearing	6308 2RS
ODE Bearing	6208 2RS
Grease Type	Mobil Polyrex EM

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	9 Lead 2Y/Y
Approximate Weight	208.5 lbs.



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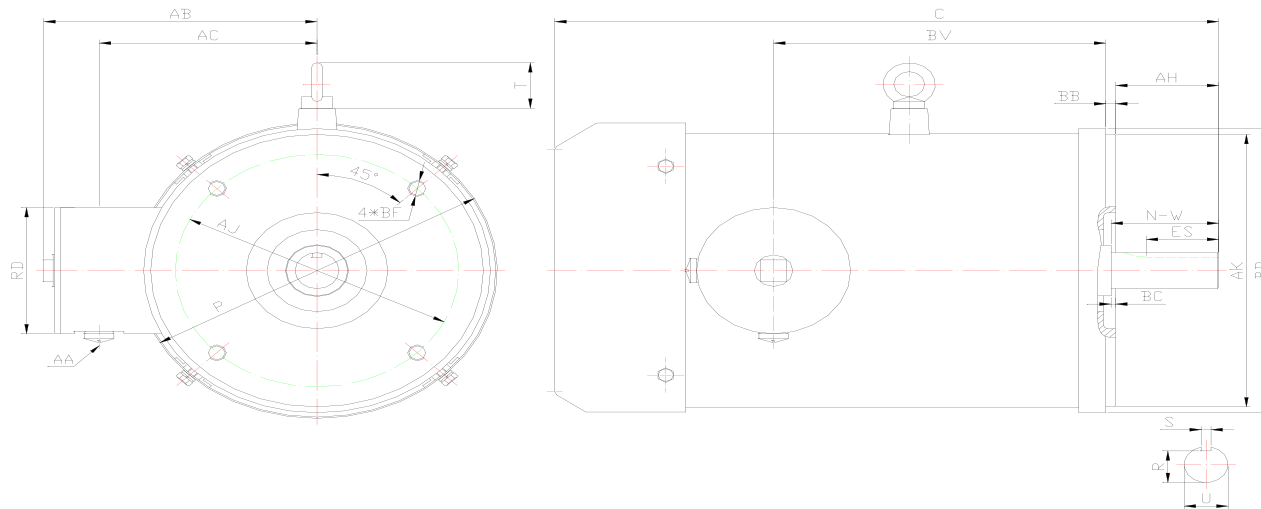
AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

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MOTOR DRAWING

Premium Efficiency Motor: **SSPE10-18-215TCRD**



DIMENSION - INCHES

FLANGE MOUNTING						C	P	T	AB
AK	BD	AJ	BF	BB	BC				
8.5	10.08	7.25	4*1/2-13	0.25	0.25	21.5	10.7	1.75	7.85

SHAFT & KEY					
S	ES	R	N-W	U	AH
0.312	2.41	1.201	3.38	1.375	3.12

TERMINAL BOX				
AA	AB	AC	RD	BV
1/2" NPT	7.85	6.41	3.95	11.95



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PERFORMANCE CURVES

Premium Efficiency Motor:

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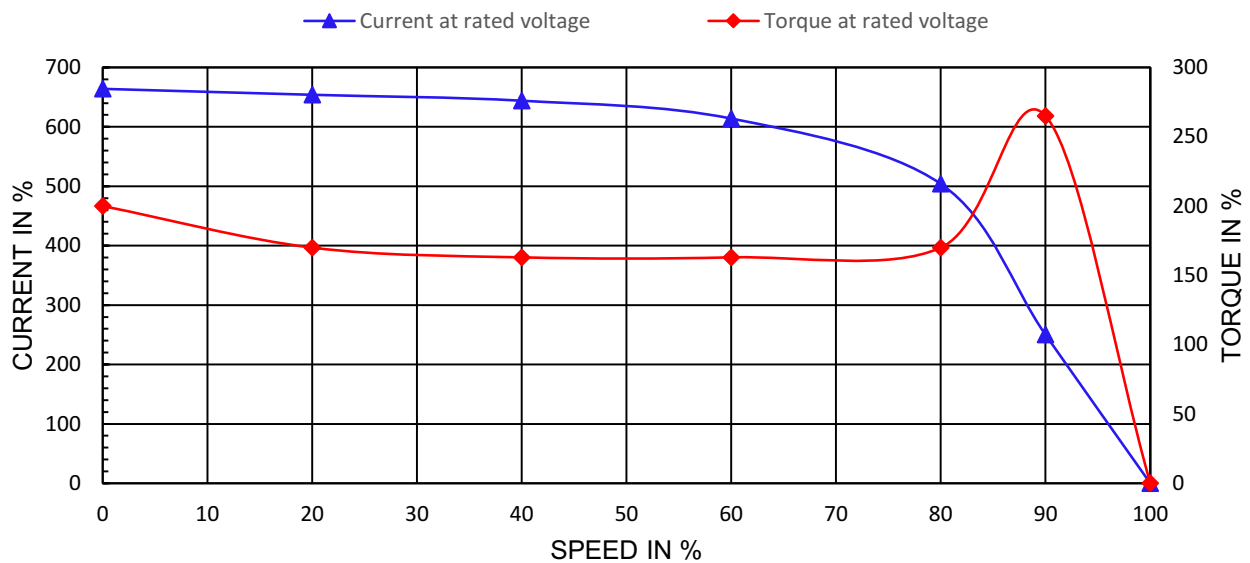
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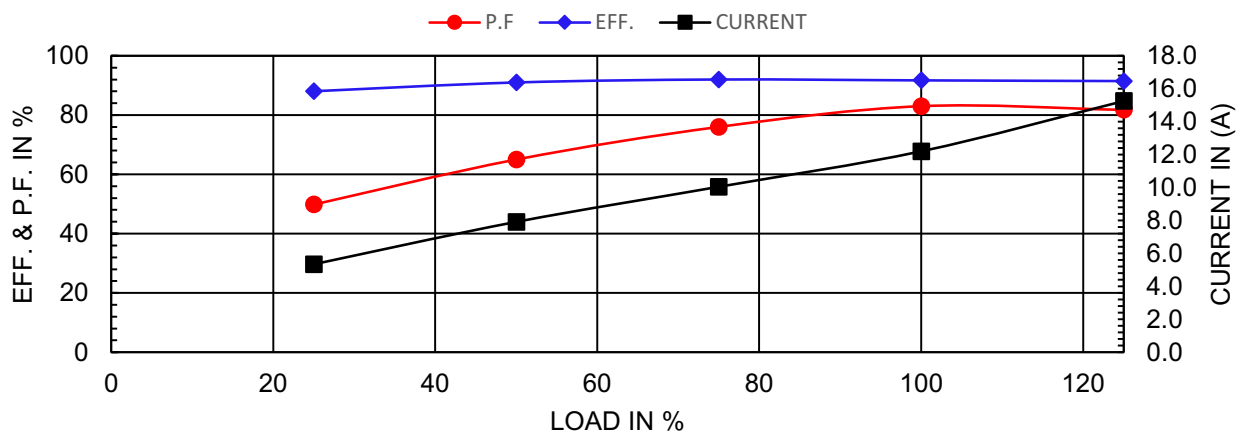
Customer:

Motor Type	SSPE		FL Speed	1760	
Output Rating (HP)	10		LRT (%FLT)	200	
Full Load Torque	29.3	lb.ft	460 volt FLA	12.2	
Rotor Wk^2	1.16	lb-ft^2	230 volt FLA	24.4	
			BDT (%FLT)	265	

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor:

SSPE10-18-215TCRD

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SAMPLE NAMEPLATE DATA

THREE PHASE AC INDUCTION MOTOR									
Model I.				FRAME		IP 69K		LB/WT	
Hz 60		S. F. 1. 15		Hz 50		S. F. 1. 15		ENCL. TEFC	
HP		RPM		HP		RPM		DUTY CONT	
VOLTS 230/460		VOLTS 190/380		NEMA DES. B					
AMP		AMP		BRG DE					
CODE		P. F.		CODE		P. F.		BRG ODE	
EFF 8		MIN		IE3 -		NO.			
CSA Certified CLASS 1 DIV. 2, Gr A, B, C, D - T3 For Use on PWM:CT 10-60Hz , VT 3-60Hz - 1.00 SF - T3 Worldwide Electric Corporation - Fairport, NY									

Model	SSPE10-18-215TCRD				FRAME	215TC	LB/WT	208.5 lbs.	
Hz	60	S.F.	1.15	Hz	50	S.F.	1.15		
HP	10	RPM	1760	HP	7 1/2	RPM	1470		
VOLTS				230/460	VOLTS				190/380
AMPS				24.4/12.2	AMPS				22.0/11.0
CODE	H	P.F.	0.83	CODE	J	P.F.	0.85		
EFF	91.7%	MIN	91%	IE3 -		89.6%			
BRG DE		6308 2RS							
BRG ODE		6208 2RS							