

**Electrical Helper.org**For All Your Electric Needs Since 1928
411 N Platte Ave. York, NE. 68467AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

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**WorldWide**
ELECTRIC CORPORATION

DATA SHEET

Premium Efficiency Motor: **SSPE10-18-215TC,****60 Hz**Document Generated: 22-Feb-2023
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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	1760
Speed	F
Temperature Class	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	12 seconds
(Hot) Sound Pressure	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	F1
Rotation	Bidirectional
Area of Classification	Div.2 Class I, Gr. A,B,C&D T2B
Inverter Rating	10:1 CT/20:1 VT
Standard	NEMA MG1,
Approvals	UL1004 CSA,UL,CE

EFFICIENCY/POWER

FACTOR	LOAD	EFF	P. F.
100%		91.7	
%	0.83975%		0.7
50%		6	
		91.0 %	0.6
		5	

TORQUE

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

AMPERAGE INFORMATION

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

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	210 lbs.



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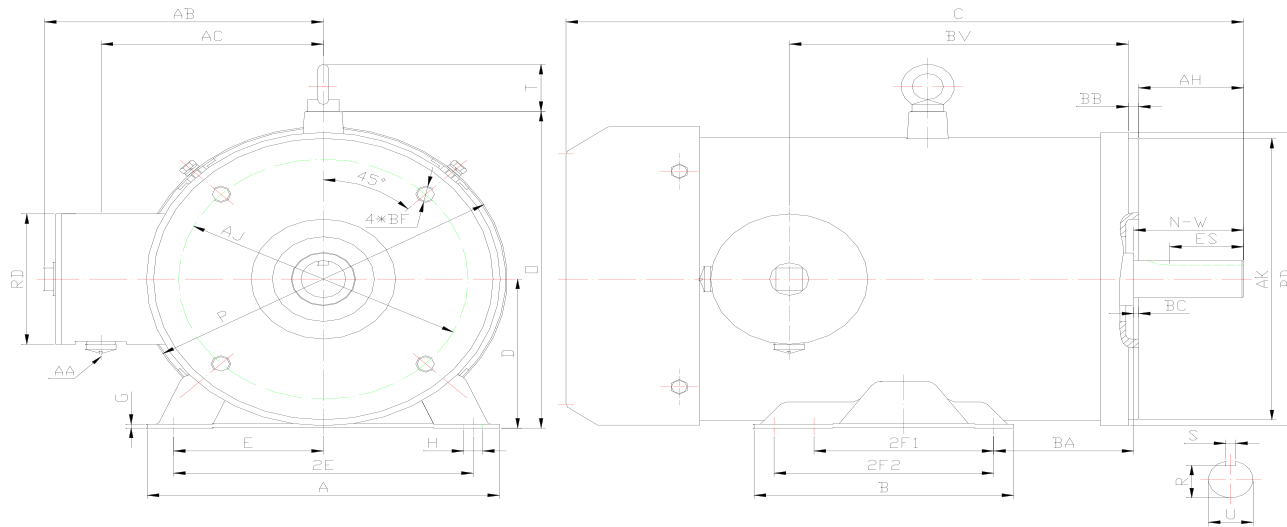
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MOTOR DRAWING

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



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
4.25	5.5	7	0.41	4.25	9.6	8.1	20.7	5.25	0.157	10.7	11.2	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	11.15

FLANGE					
AK	BD	AJ	BF	BB	BC
8.5	10.08	7.25	4*1/2-13	0.25	0.25



PERFORMANCE CURVES

Premium Efficiency Motor:

SSPE10-18-215TC

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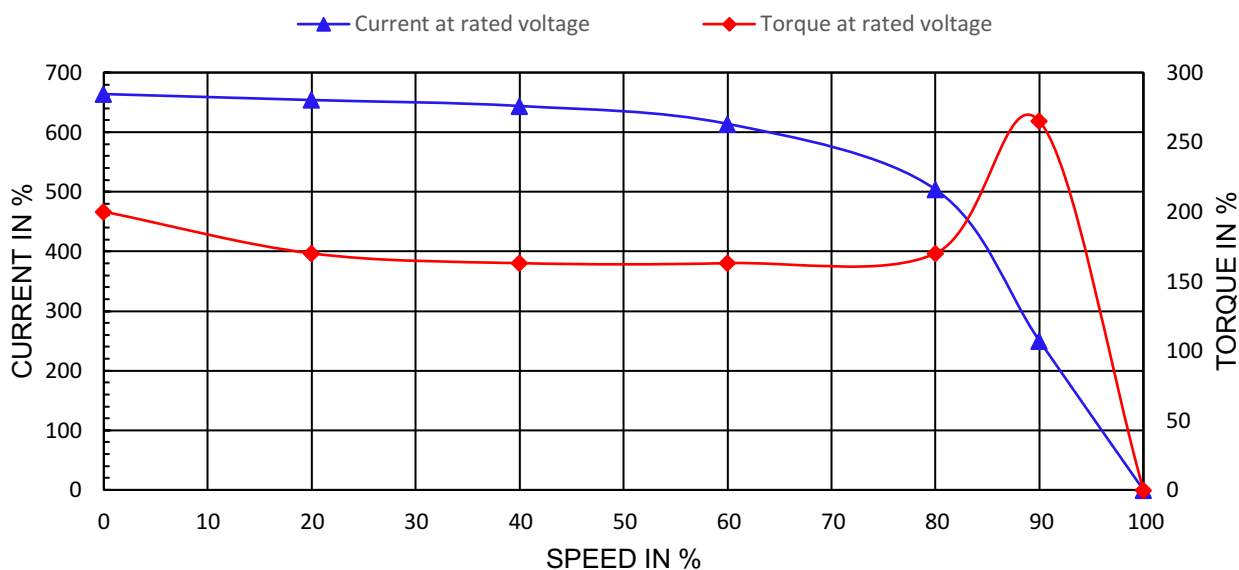
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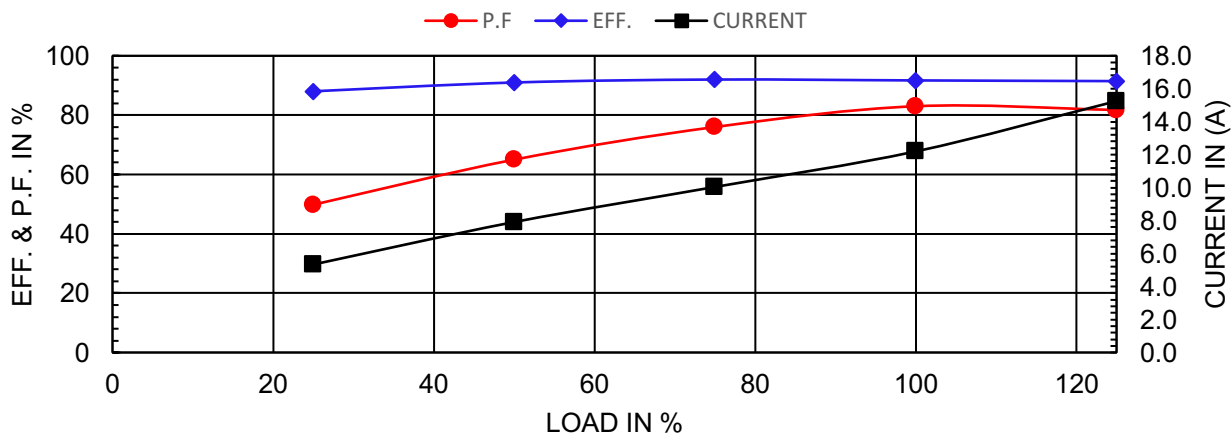
Motor Type	SSPE		FL Speed	1760	
Output Rating	10		LRT (%FLT)	200	460 volt FLA 12.2
(HP) Full Load	29.3	lb.ft	BDT (%FLT)	265	230 volt FLA 24.4
Torque Rotor	1.16	lb-ft^2			

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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





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NAMEPLATE / WIRING

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

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SAMPLE NAMEPLATE DATA

		THREE PHASE AC INDUCTION MOTOR				NEMA®	
		INVERTER DUTY 20:1 VT 10:1 CT				Premium	
Model .		FRAME		IP 69K	LB/WT		230V
Hz 60	S. F. 1.15	Hz 50	S. F. 1.15	ENCL. TEFC	AMB. 40°C		
HP	RPM	HP	RPM	DUTY CONT	INS. F		
VOLTS 230/460		VOLTS 190/380		NEMA DES. B		460V 	
AMP		AMP		BRG DE			
CODE	P. F.	CODE	P. F.	BRG ODE			
EFF MIN		IE3 -		NO.			
				C 502259 US		E517327	
CC082A							

Model	SSPE10-18-215TC			FRAME	215TC	LB/WT	210 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.				
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								