

DATA SHEET

Premium Efficiency Motor: **SSPE10-36-215TCRD,**

60 Hz



Electrical Helper.org
For All Your Electric Needs Since 1928
411 N Platte Ave. York, NE. 68467

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

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MOTOR INFORMATION

HP	10
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	215TC
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	2
Full Load	3525
Speed	F
Temperature Class	80°C
NEMA Code Letter	H
Duty Cycle	S1
Slip	2.08%
NEMA Design	B
Moment of Inertia	0.66 lb.ft.^2
Locked Rotor Time	12 seconds
(Hot) Sound Pressure	81 dB(A)
Number of Starts	10
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%	90.2	
%	0.8790%	0.8
50%	2	
	89.0 %	0.7
	2	

TORQUE

FULL LOAD	LRT	BDT
14.7 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	9.4	26 4.7

BEARING INFORMATION

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

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	9 Lead 2Y/Y
Approximate Weight	168.5 lbs.



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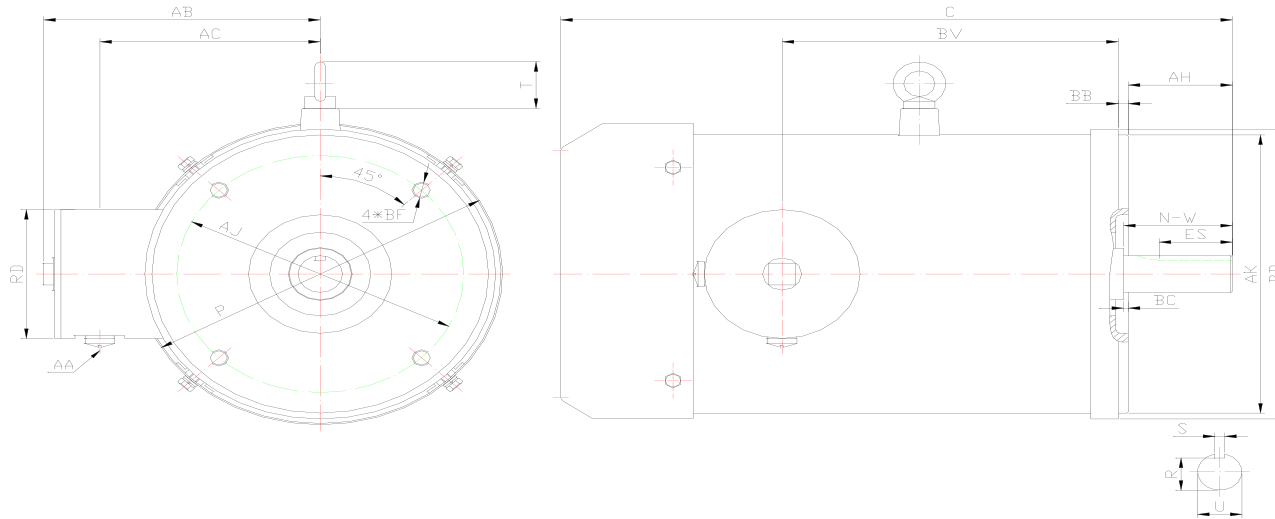
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MOTOR DRAWING

Premium Efficiency Motor: **SSPE10-36-215TCRD**



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:

SSPE10-36-215TCRD

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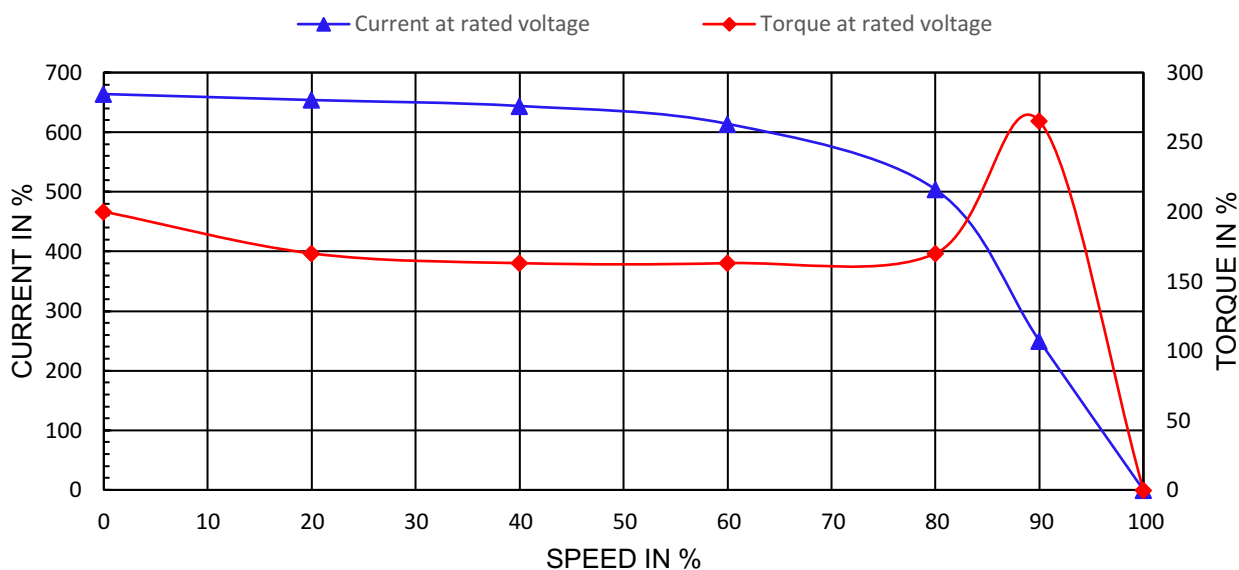
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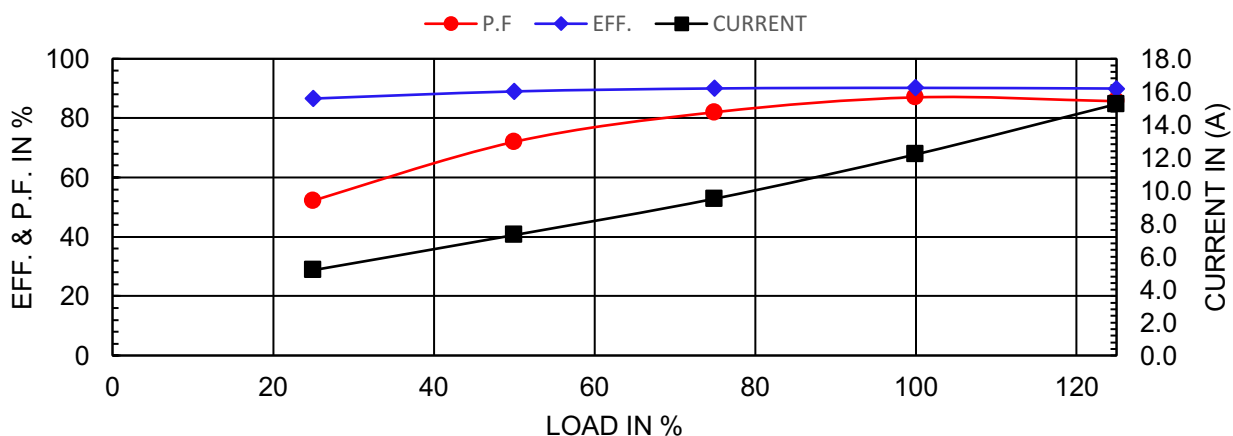
Motor Type	SSPE		FL Speed	3525	
Output Rating	10		LRT (%FLT)	200	460 volt FLA 12.2
(HP) Full Load	14.7	lb.ft	BDT (%FLT)	265	230 volt FLA 24.4
Torque Rotor	0.66	lb-ft^2			

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor:

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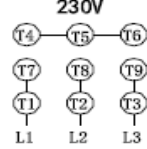
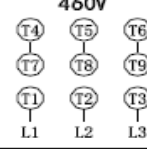


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SAMPLE NAMEPLATE DATA

Model .		FRAME		IP 69K	LB/WT	 THREE PHASE AC INDUCTION MOTOR INVERTER DUTY 20:1 VT 10:1 CT 					
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							
AMP		AMP		BRG DE							
CODE	P. F.	CODE	P. F.	BRG ODE							
EFF MIN		IE3 -		NO.							
    CC082A											

Model	SSPE10-36-215TCRD			FRAME	215TC	LB/WT	168.5
lbs. Hz	60	S.F.	1.15	Hz	50	S.F.	1.15
HP	10	RPM	3525	HP	7 1/2	RPM	2930
VOLTS 230/460				VOLTS 190/380			
AMPS 24.4/12.2				AMPS 22.0/11.0			
CODE	H	P.F.	0.87	CODE	J	P.F.	0.85
EFF	90.2%	MIN	89%	IE3 -			
89.2% BRG DE 6308							
2RS BRG							
ODE 6208 2RS							