



DATA SHEET

Premium Efficiency Motor: **SSPE5-12-215TCRD,**

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Customer:

MOTOR INFORMATION

HP	5
RPM	1200
Phase	3
Frequency	60
Voltage	230/460
Frame Size	215TC
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	6
Full Load	1175
Speed	F
Temperature Class	80°C
NEMA Code Letter	J
Duty Cycle	S1
Slip	2.08%
NEMA Design	B
Moment of Inertia	1.356 lb.ft.^2
Locked Rotor Time	12 seconds
(Hot) Sound Pressure	61 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%	89.5	
%	0.78875%	0.6
50%	7	
	86.0 %	0.5
	5	

TORQUE

FULL LOAD	LRT	BDT
22.1 lb.ft.	225 %	270
%		

AMPERAGE INFORMATION

	230V	460
Full Load Amps	V	
Locked Rotor	14	7
Amps No Load	92	46
Current Usable at 208V	8	15

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	198.5 lbs.

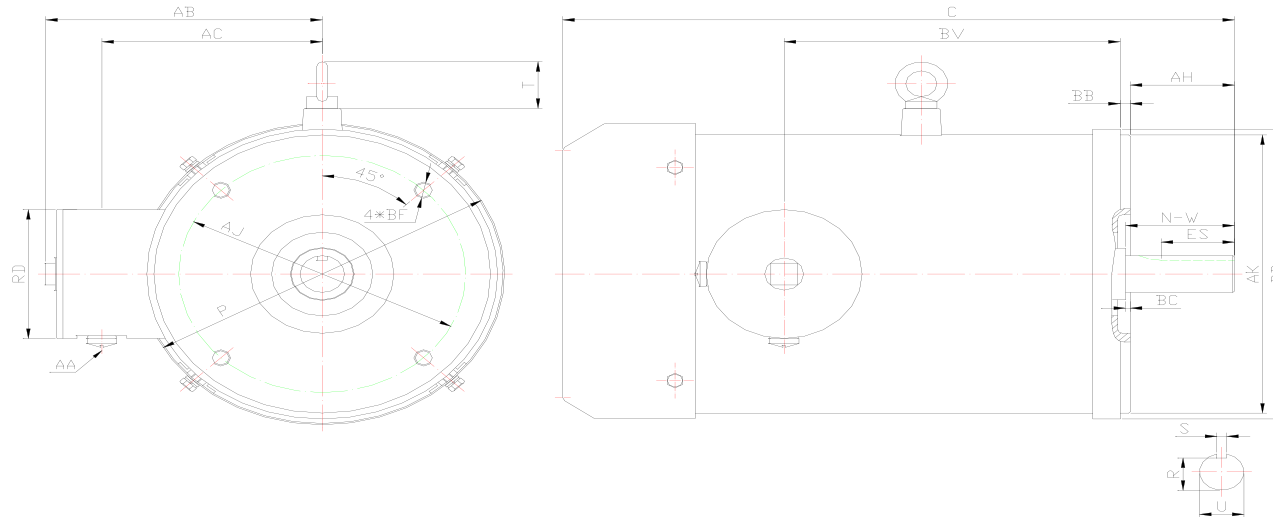
MOTOR DRAWING

Premium Efficiency Motor: **SSPE5-12-215TCRD**



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411 N Platte Ave. York, NE. 68467

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



PERFORMANCE CURVES

Premium Efficiency Motor:

SSPE5-12-215TCRD

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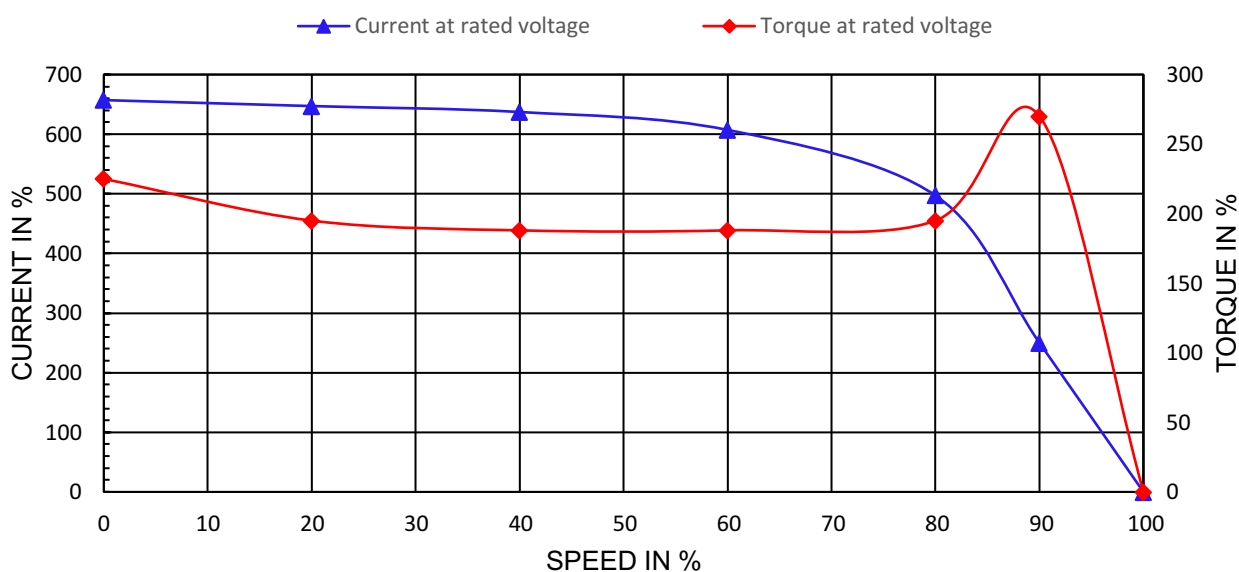
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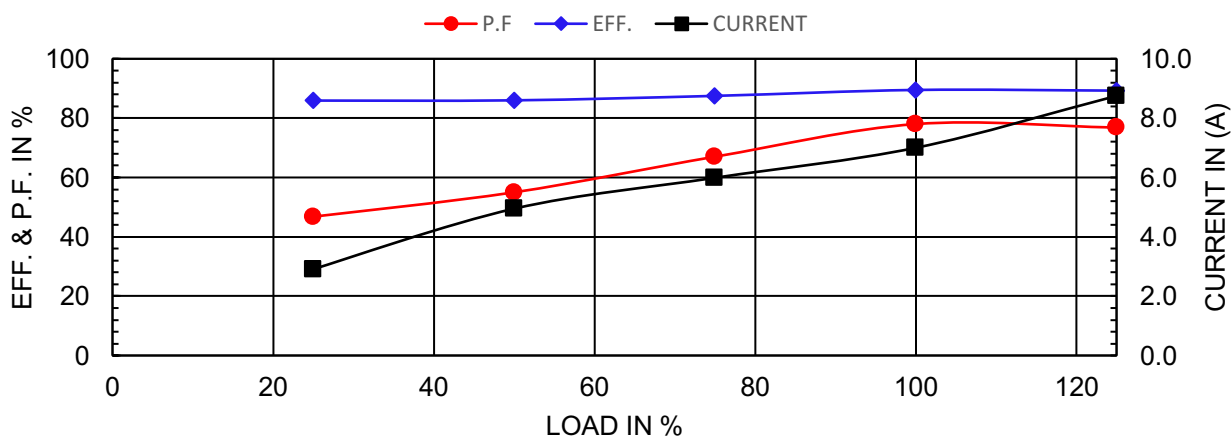
Motor Type	SSPE		FL Speed	1175		
Output Rating	5		LRT (%FLT)	225	460 volt FLA	7
(HP) Full Load	22.1	lb.ft	BDT (%FLT)	270	230 volt FLA	14
Torque Rotor	1.356	lb-ft^2				

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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





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NAMEPLATE / WIRING

Premium Efficiency Motor:

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SAMPLE NAMEPLATE DATA

		THREE PHASE AC INDUCTION MOTOR				NEMA® Premium	
		INVERTER DUTY 20:1 VT 10:1 CT					
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		E 517327	
CC082A							

Model	SSPE5-12-215TCRD			FRAME	215TC	LB/WT	198.5 lbs.
Hz	60	S.F.	1.15	Hz	50	S.F.	1.15
HP	5	RPM	1175	HP	3	RPM	980
VOLTS		230/460		VOLTS		190/380	
AMPS		14/7		AMPS		11/5.5	
CODE	J	P.F.	0.78	CODE	K	P.F.	0.71
EFF	89.5%	MIN	86%	IE3 - 84.3%			
BRG DE		6308					
2RS BRG							
ODE		6208 2RS					