



Electrical Helper.org
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 411 N Platte Ave. York, NE. 68467

AC-DC MOTORS :: SALES & SERVICE
 REWINDING :: CUSTOM CONTROL PANEL
 Kelly MacMillan
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DATA SHEET

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

60 Hz

Document Generated: 22-Feb-2023
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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 Bearing	6208 2RS
Grease Type	Mobil Polyrex

EM

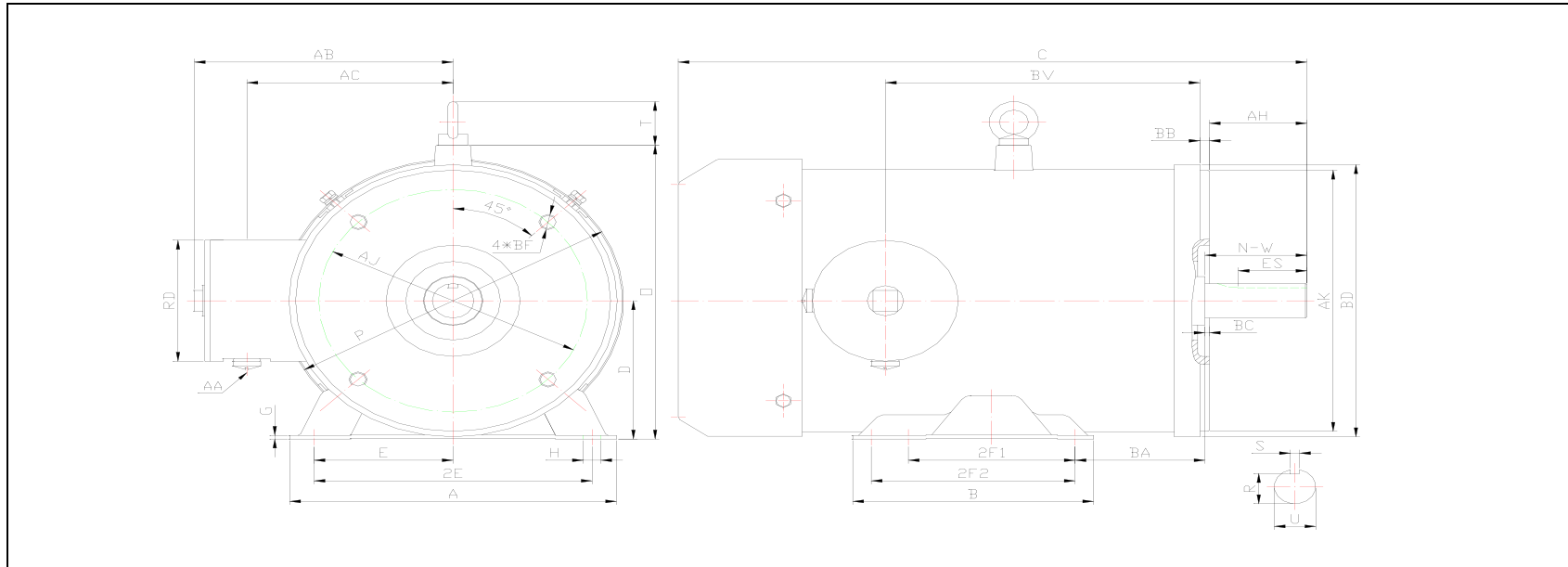
ADDITIONAL DATA	
F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	9 Lead 2Y/Y
Approximate Weight	200 lbs.

MOTOR DRAWING

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

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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



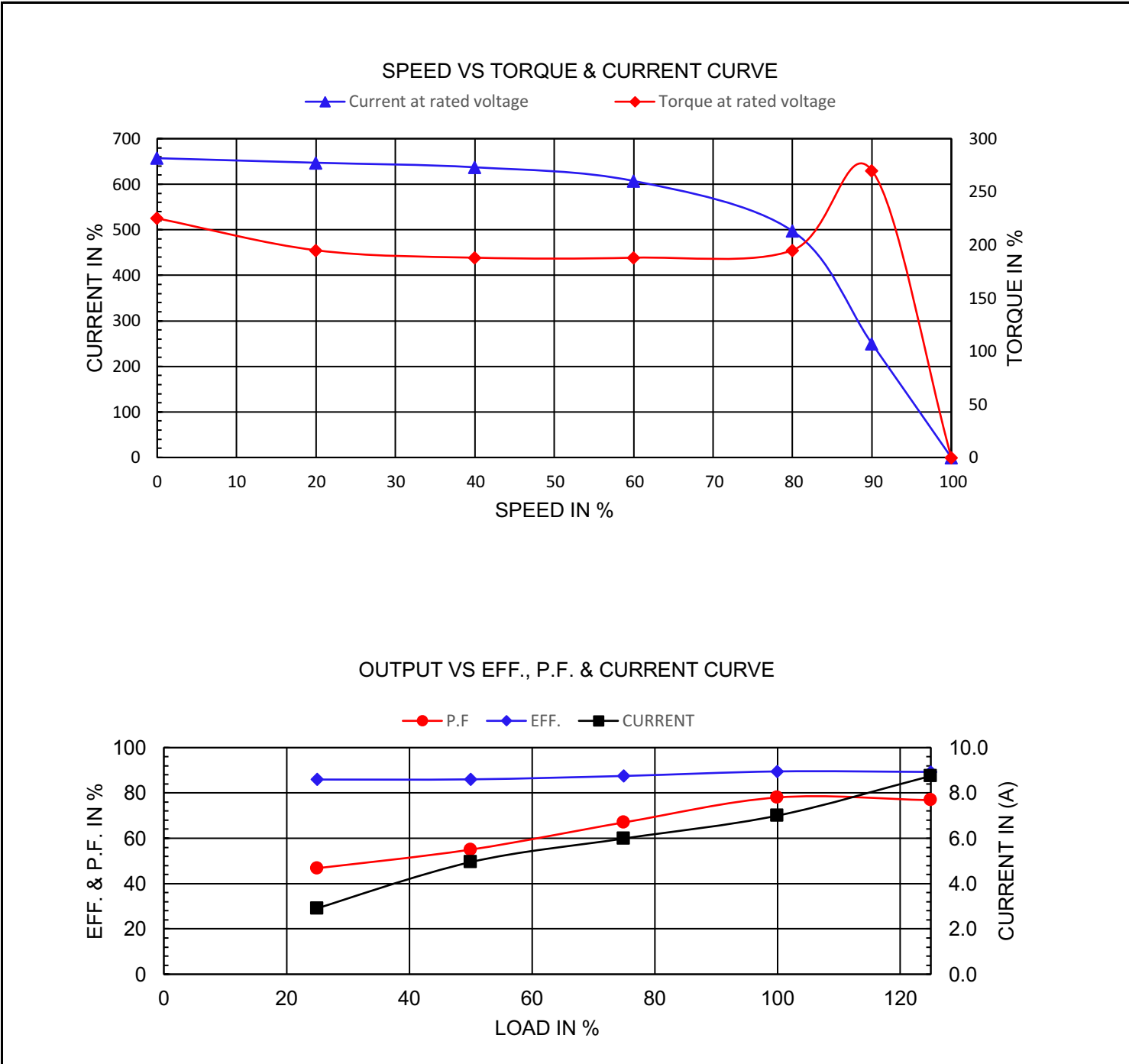
PERFORMANCE CURVES

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

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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





NAMEPLATE / WIRING

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

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SAMPLE NAMEPLATE DATA

		THREE PHASE AC INDUCTION MOTOR INVERTER DUTY 20:1 VT 10:1 CT					
Model .		FRAME		IP 69K	LB/WT		
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.			
				C 502259 US		E 517327	
CC082A							

Model	SSPE5-12-215TC			FRAME	215TC	LB/WT	200 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						