

DATA SHEET

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

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 9-Nov-2020

Document ID:

Customer:

MOTOR INFORMATION

HP	5
RPM	1200
Phase	3
Frequency	60
Voltage	230/460
Frame Size	215TC
Enclosure	TEFC
Degree of Protection	IP66
Service Factor	1.15
Poles	6
Full Load Speed	1175
Insulation Class	F
Temp Rise	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 (Hot)	12 seconds
Sound Pressure Level	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, UL1004
Approvals	CSA,UL,CE

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	89.5 %	0.78
75%	87.5 %	0.67
50%	86.0 %	0.55

TORQUE

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

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	14A	7
Locked Rotor Amps	92A	46A
No Load Current	8A	4A
Usable at 208V	15 A	

BEARING INFORMATION

DE Bearing	6308 2RS
ODE Bearing	6208 2RS
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	-- Hours
ODE Regreasing Interval	-- Hours
Grease Quantity	--

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	9 Lead 2Y/Y
Approximate Weight	198.5 lbs.

REVISED 10/21/2020

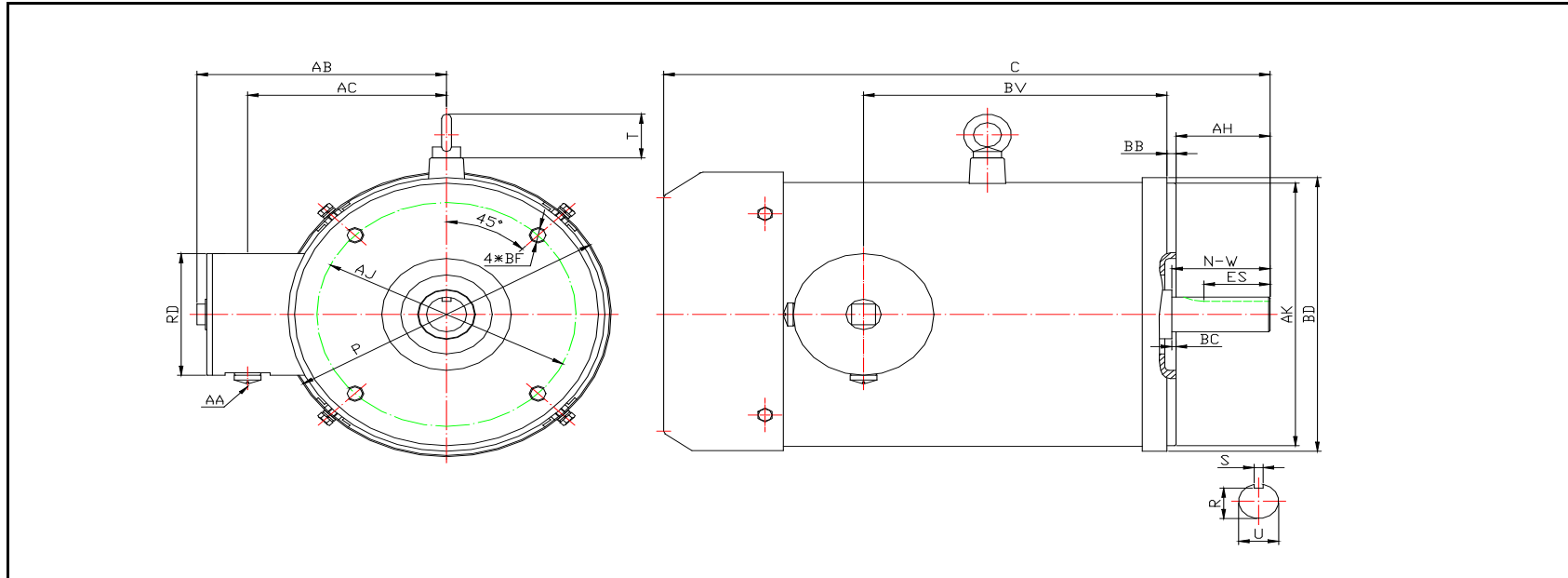
MOTOR DRAWING

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DIMENSION - INCHES

MOUNTING						A	B	C	D	G	P	O	T
E	2E	2F1	2F2	H	BA								
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21.5	N/A	N/A	10.7	N/A	1.75

AB	BC	KEY		KEYSET	SHAFT			TERMINAL BOX				
		S	ES	R	AH	N-W	U	AA	AB	AC	RD	BV
7.85	0.25	0.312	2.41	1.201	3.12	3.38	1.375	1/2	7.85	6.41	3.95	11.95

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

REV.	SUMMARY OF MODIFICATIONS	DATE
0		10/21/2020

PERFORMANCE CURVES

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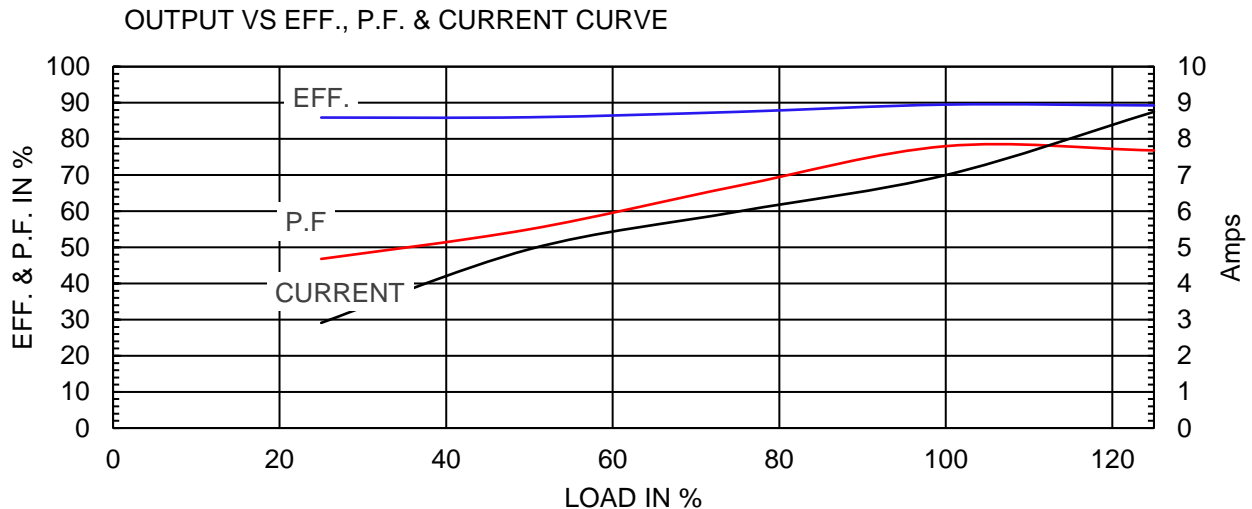
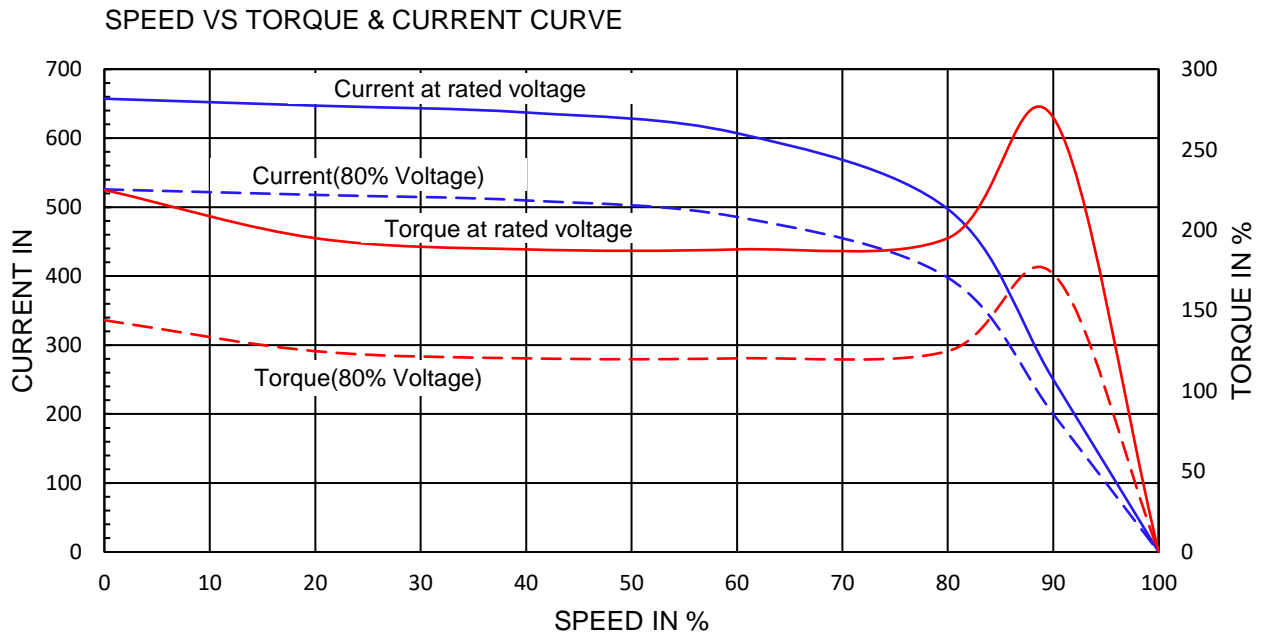
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Motor Type	SSPE		FL Speed	1175	
Output Rating (HP)	5		LRT (%FLT)	225	
Full Load Torque	22.1	lb.ft	460 volt FLA	7	
Rotor Wk^2	1.356	lb-ft^2	230 volt FLA	14A	
			BDT (%FLT)	270	



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

		THREE PHASE AC INDUCTION MOTOR INVERTER DUTY 20:1 VT 10:1 CT			
Model.	SSPE5-12-215TCRD	FRAME	215TC	LB/WT	198
Hz	60	S.F.	1.15	ENCL.	TEFC
HP	5	RPM	1175	DUTY CONT	AMB. 40 °C
VOLTS 208-230/460		NEMA DES.	B	INS.	F
AMP	14A / 7	BRG DE	6308 2RS		
CODE	J	P.F.	0.78	BRG ODE	6208 2RS
EFF	89.5 %	MIN	87.5 %	NO.	
				208-230V 	
				460V 	
CC082A					

