

# DATA SHEET

Premium Efficiency Motor: **SSPE7.5-18-213TCRD,**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	7.5
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	213TC
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	4
Full Load Speed	1755
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	H
Duty Cycle	S1
Slip	2.50%
NEMA Design	B
Moment of Inertia	0.927 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	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, UL1004
Approvals	CSA,UL,CE

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	91.7 %	0.83
75%	92.0 %	0.75
50%	90.0 %	0.65

TORQUE		
FULL LOAD	LRT	BDT
22 lb.ft.	225 %	270 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	18.6	9.3
Locked Rotor Amps	127	63.5
No Load Current	9.4	4.7
Usable at 208V		20

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	178.5 lbs.

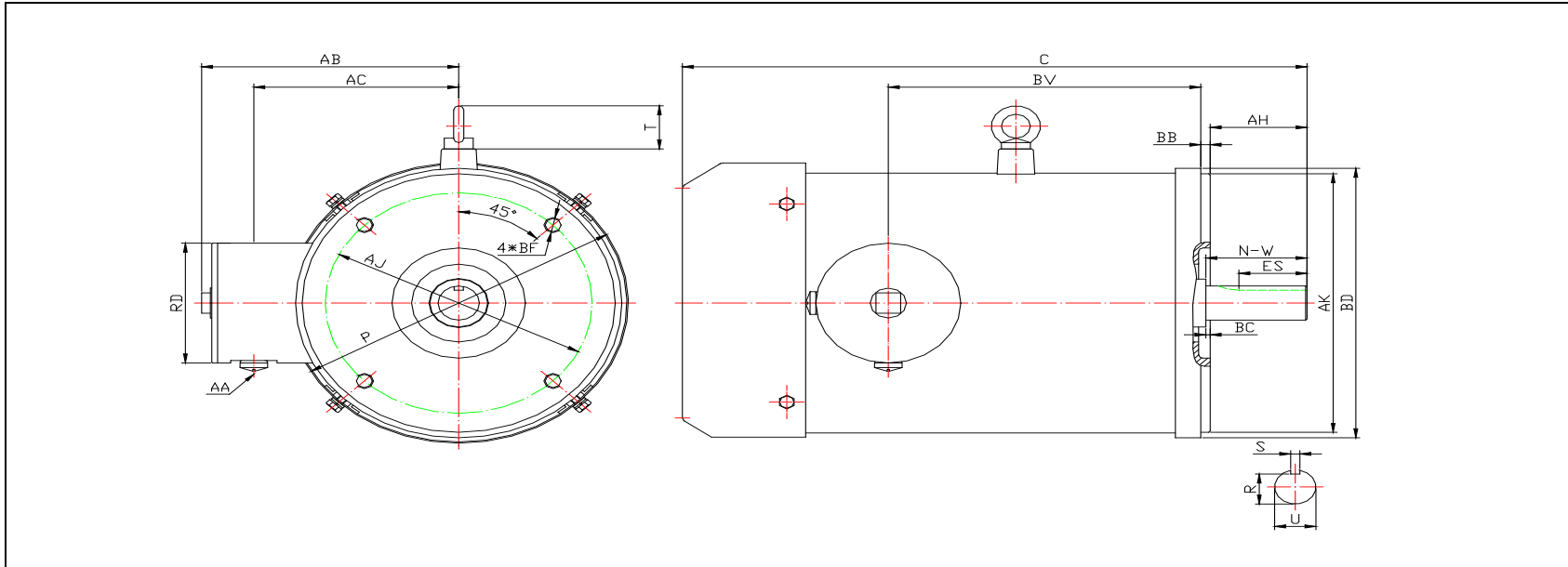
# MOTOR DRAWING

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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	20.7	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	11.15

# PERFORMANCE CURVES

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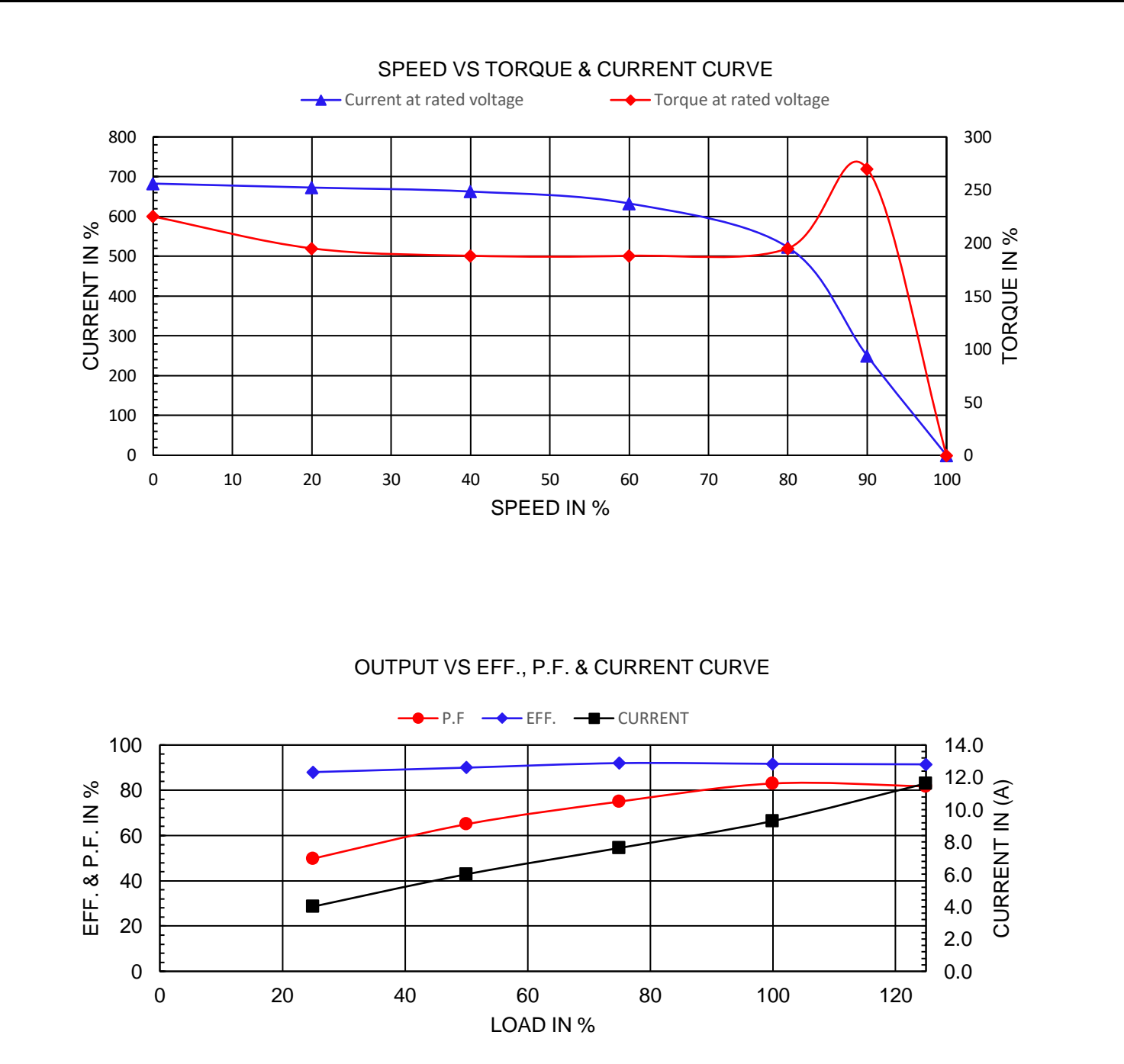
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Motor Type	SSPE		FL Speed	1755	
Output Rating (HP)	7.5		LRT (%FLT)	225	460 volt FLA 9.3
Full Load Torque	22	lb.ft	BDT (%FLT)	270	230 volt FLA 18.6
Rotor Wk <sup>2</sup>	0.927	lb-ft <sup>2</sup>			



# NAMEPLATE / WIRING

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## SAMPLE NAMEPLATE DATA

		<b>THREE PHASE AC INDUCTION MOTOR</b> <b>INVERTER DUTY 20:1 VT 10:1 CT</b>						
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.				
								<b>CC082A</b>

Model	SSPE7.5-18-213TCRD			FRAME	213TC	LB/WT	178.5 lbs.
Hz	60	S.F.	1.15	Hz	50	S.F.	1.15
HP	7.5	RPM	1755	HP	5	RPM	1470
VOLTS	230/460			VOLTS	190/380		
AMPS	18.6/9.3			AMPS	15/7.5		
CODE	H	P.F.	0.83	CODE	J	P.F.	0.80
EFF	91.7%	MIN	90%	IE3 -	88.6%		
BRG DE	6308 2RS						
BRG ODE	6208 2RS						