

# DATA SHEET

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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

**60 Hz**

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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	IP66
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	18.6A	9.3
Locked Rotor Amps	127A	63.5A
No Load Current	9.4A	4.7A
Usable at 208V		20 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	178.5 lbs.

REVISED 10/21/2020

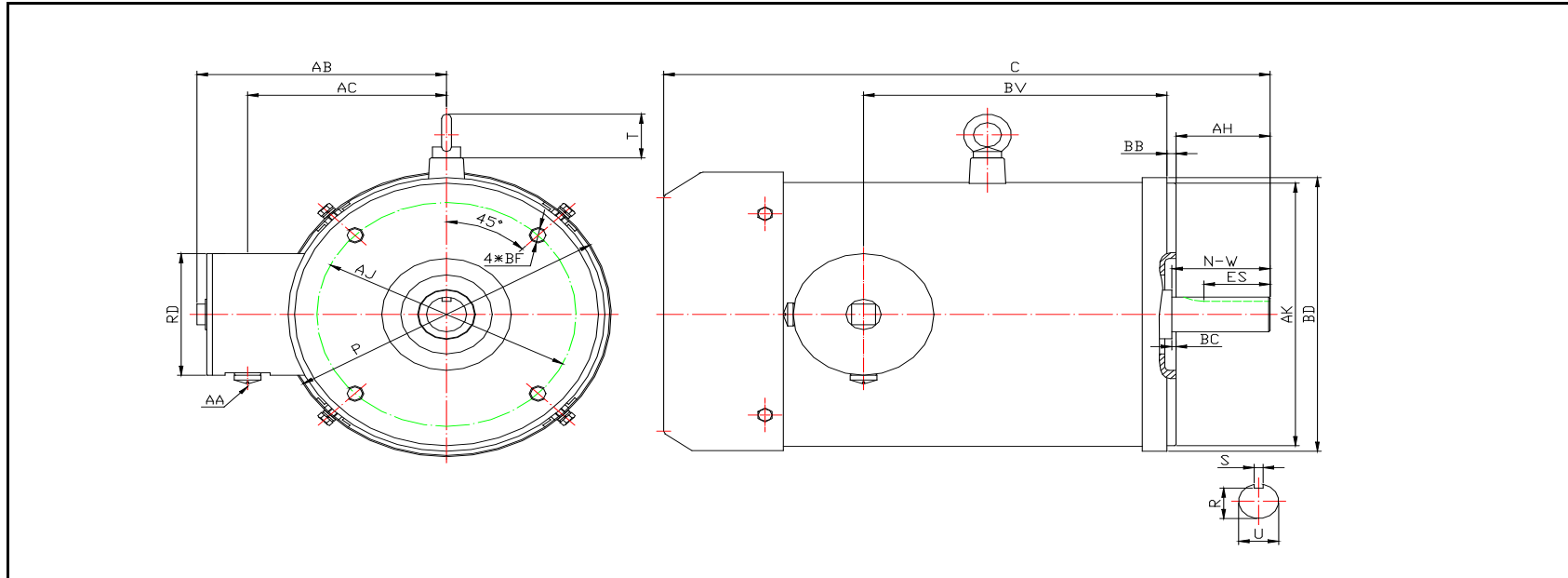
# MOTOR DRAWING

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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	20.7	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	11.15

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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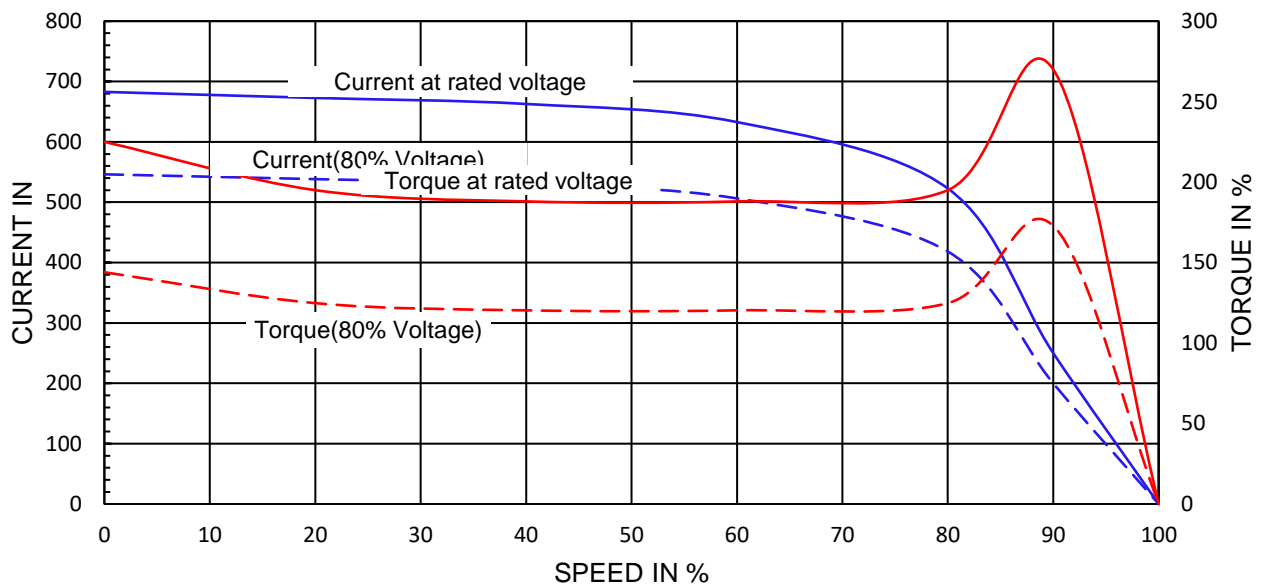
**SSPE7.5-18-213TRD**

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

SPEED VS TORQUE & CURRENT CURVE



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

