

# DATA SHEET

Premium Efficiency Motor: **SSPE2-18-56C,**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

## MOTOR INFORMATION

HP	2
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	56C
Enclosure	TEFC
Degree of Protection	IP66
Service Factor	1.15
Poles	4
Full Load Speed	1750
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	L
Duty Cycle	S1
Slip	2.78%
NEMA Design	B
Moment of Inertia	0.184 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%	86.5 %	0.78
75%	83.0 %	0.66
50%	80.0 %	0.52

## TORQUE

FULL LOAD	LRT	BDT
5.9 lb.ft.	285 %	300 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	6A	3
Locked Rotor Amps	50A	25A
No Load Current	3.5A	1.75A
Usable at 208V	6.2 A	

## BEARING INFORMATION

DE Bearing	6205 2RS
ODE Bearing	6205 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	51 lbs.

REVISED 10/21/2020

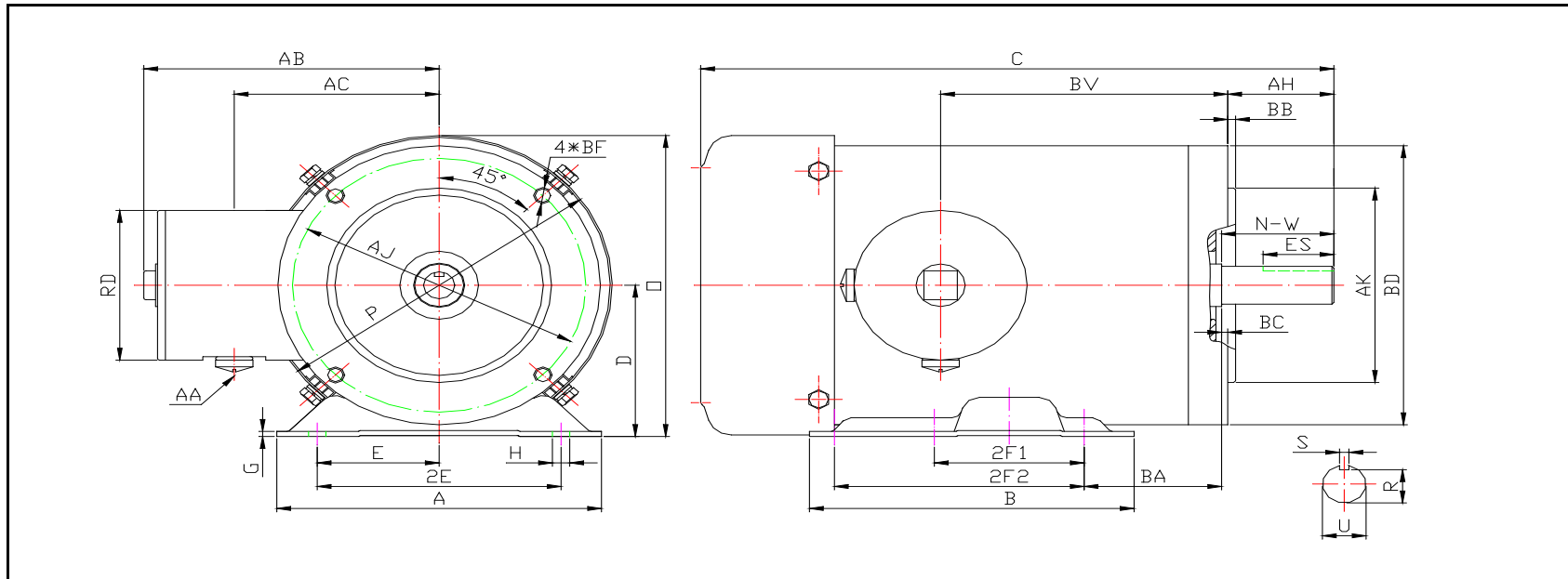
# MOTOR DRAWING

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## DIMENSION - INCHES

MOUNTING						A	B	C	D	G	P	O	T
E	2E	2F1	2F2	H	BA								
2.44	4.88	3	5	1.22*0.34	2.75	6.5	6.5	13.75	3.5	0.118	6.95	6.98	N/A

AB	BC	KEY		KEYSET	SHAFT			TERMINAL BOX				
		S	ES	R	AH	N-W	U	AA	AB	AC	RD	BV
5.95	-0.19	0.188	1.41	0.517	2.06	1.88	0.625	1/2	5.95	4.5	3.45	6.95

FLANGE				
AJ	AK	BB	BD	BF
5.875	4.5	0.16	6.45	4*3/8-16

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

# PERFORMANCE CURVES

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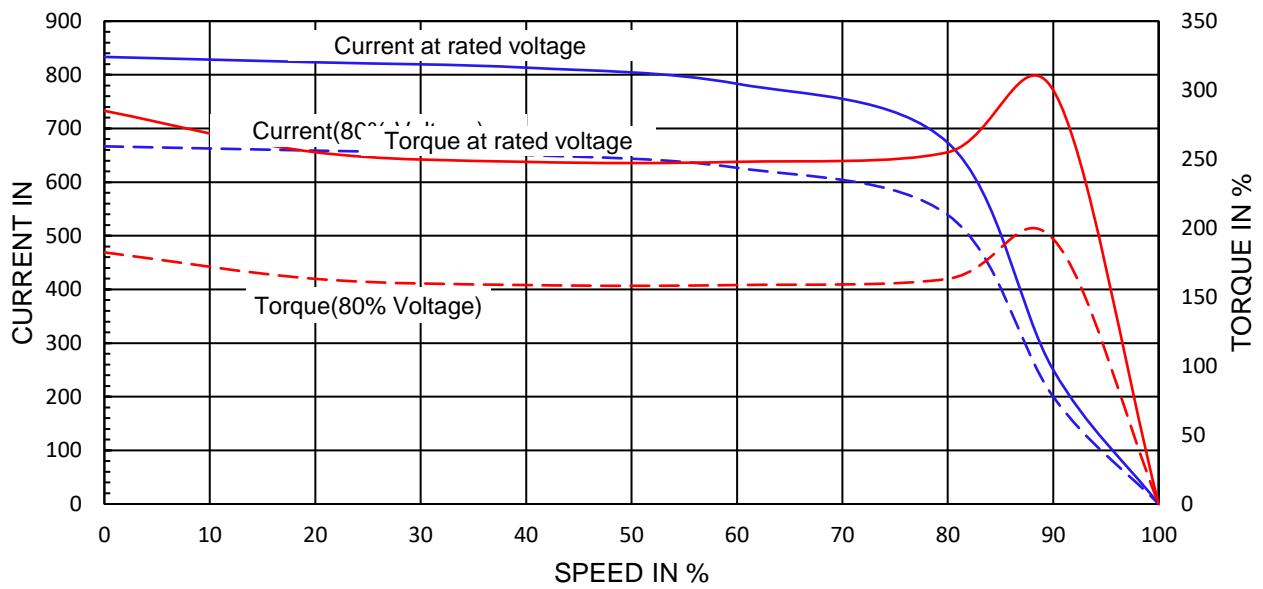
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Motor Type	SSPE		FL Speed	1750	
Output Rating (HP)	2		LRT (%FLT)	285	
Full Load Torque	5.9	lb.ft	460 volt FLA	3	
Rotor Wk <sup>2</sup>	0.184	lb-ft <sup>2</sup>	230 volt FLA	6A	
			BDT (%FLT)	300	

SPEED VS TORQUE & CURRENT CURVE



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

