

# DATA SHEET

Premium Efficiency Motor: **SSPE34-12-143TCRD,**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

## MOTOR INFORMATION

HP	3/4
RPM	1200
Phase	3
Frequency	60
Voltage	230/460
Frame Size	143TC
Enclosure	TEFC
Degree of Protection	IP66
Service Factor	1.15
Poles	6
Full Load Speed	1155
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	P
Duty Cycle	S1
Slip	3.75%
NEMA Design	B
Moment of Inertia	0.103 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	55 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%	81.5 %	0.65
75%	76.0 %	0.58
50%	71.0 %	0.5

## TORQUE

FULL LOAD	LRT	BDT
3.3 lb.ft.	255 %	280 %

## AMPERAGE INFORMATION

	230V	460V
Full Load Amps	3.7A	1.85
Locked Rotor Amps	25A	12.5A
No Load Current	1.7A	0.85A
Usable at 208V	3.8 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	34 lbs.

REVISED 10/21/2020

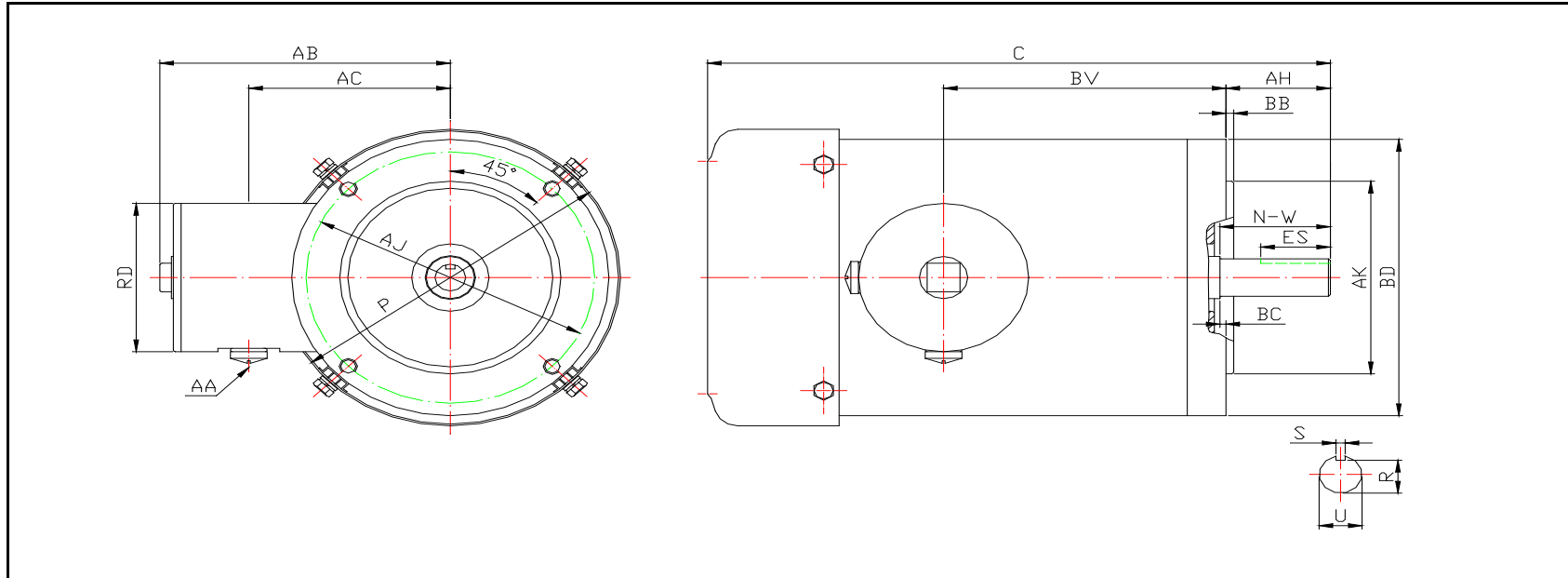
# MOTOR DRAWING

Premium Efficiency Motor: **SSPE34-12-143TRD**

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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	12.63	N/A	N/A	6.95	N/A	N/A

AB	BC	KEY		KEYSET	SHAFT			TERMINAL BOX				
		S	ES	R	AH	N-W	U	AA	AB	AC	RD	BV
5.95	0.12	0.188	1.41	0.771	2.12	1.88	0.875	1/2	5.95	4.5	3.45	4.75

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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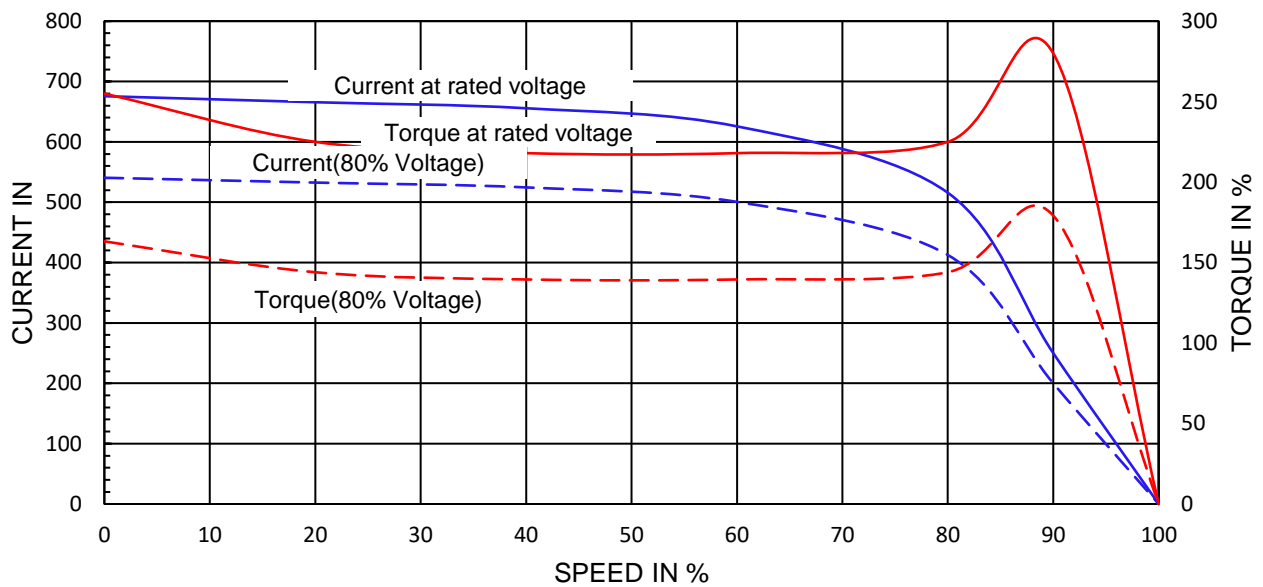
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Motor Type	SSPE		FL Speed	1155	
Output Rating (HP)	3/4		LRT (%FLT)	255	460 volt FLA 1.85
Full Load Torque	3.3	lb.ft	BDT (%FLT)	280	230 volt FLA 3.7A
Rotor Wk <sup>2</sup>	0.103	lb-ft <sup>2</sup>			

SPEED VS TORQUE & CURRENT CURVE



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

