

DATA SHEET

Premium Efficiency Motor: **SSPE1-18-143TCRD,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 22-Feb-2023
Document ID:

Customer:

MOTOR INFORMATION	
HP	1
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	143TC
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	4
Full Load Speed	1750
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	N
Duty Cycle	S1
Slip	2.78%
NEMA Design	B
Moment of Inertia	0.1 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%	85.5 %	0.75
75%	78.0 %	0.6
50%	74.0 %	0.46

TORQUE		
FULL LOAD	LRT	BDT
3 lb.ft.	285 %	300 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	2.9	1.45
Locked Rotor Amps	30	15
No Load Current	2.5	1.25
Usable at 208V		3

BEARING INFORMATION	
DE Bearing	6205 2RS
ODE Bearing	6205 2RS
Grease Type	Mobil Polyrex EM

ADDITIONAL DATA	
F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	9 Lead 2Y/Y
Approximate Weight	35 lbs.

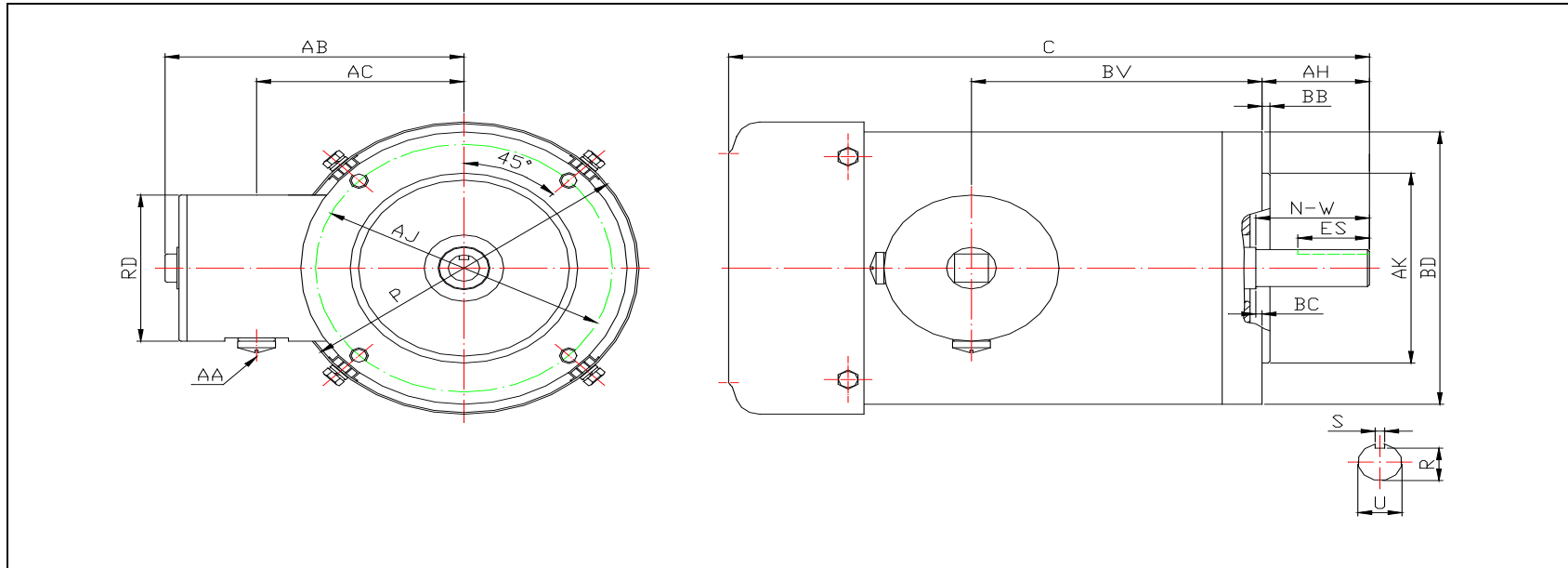
MOTOR DRAWING

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DIMENSION - INCHES

FLANGE MOUNTING						C	P	T	AB
AK	BD	AJ	BF	BB	BC				
4.5	6.45	5.875	4*3/8-16	0.16	0.12	12.63	6.95	N/A	5.95

SHAFT & KEY					
S	ES	R	N-W	U	AH
0.188	1.41	0.771	1.88	0.875	2.12

TERMINAL BOX				
AA	AB	AC	RD	BV
1/2 NPT	5.95	4.5	3.45	4.75

PERFORMANCE CURVES

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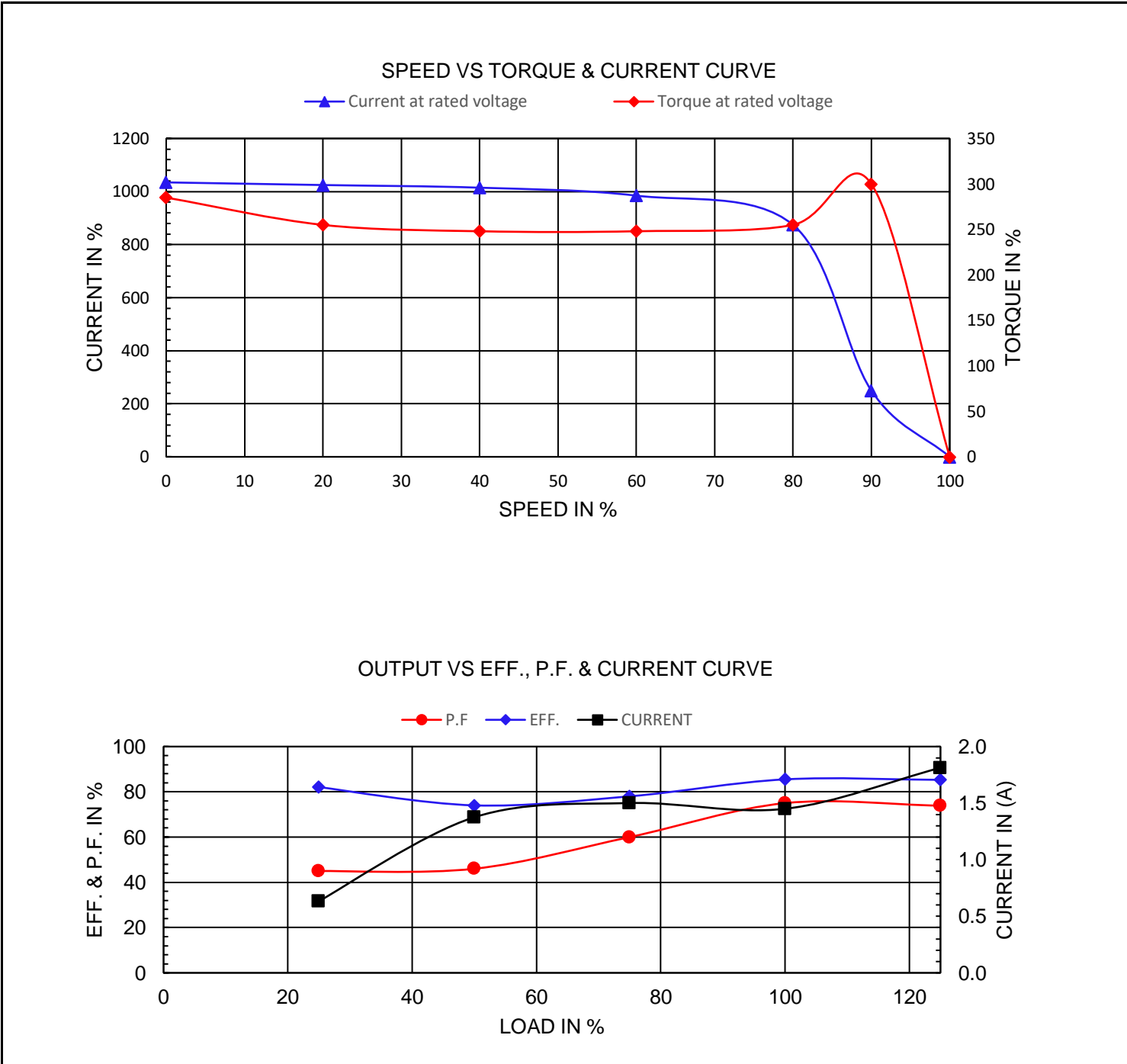


Premium Efficiency Motor:

SSPE1-18-143TRD

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Motor Type	SSPE		FL Speed	1750	
Output Rating (HP)	1		LRT (%FLT)	285	460 volt FLA 1.45
Full Load Torque	3 lb.ft		BDT (%FLT)	300	230 volt FLA 2.9
Rotor Wk^2	0.1 lb-ft^2				



NAMEPLATE / WIRING

Premium Efficiency Motor:

SSPE1-18-143TCRD

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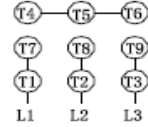
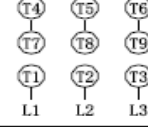




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SAMPLE NAMEPLATE DATA

		THREE PHASE AC INDUCTION MOTOR INVERTER DUTY 20:1 VT 10:1 CT							
Model		FRAME		IP 69K	LB/WT		230V 		
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			460V 		
AMP		AMP		BRG DE					
CODE	P. F.	CODE	P. F.	BRG ODE					
EFF	MIN	IE3 -		NO.					
								CC082A	

Model	SSPE1-18-143TCRD			FRAME	143TC	LB/WT	35 lbs.
Hz	60	S.F.	1.15	Hz	50	S.F.	1.15
HP	1	RPM	1750	HP	3/4	RPM	1460
VOLTS	230/460			VOLTS	190/380		
AMPS	2.9/1.45			AMPS	3/1.5		
CODE	N	P.F.	0.75	CODE	N	P.F.	0.68
EFF	85.5%	MIN	74%	IE3 -	80.8%		
BRG DE	6205 2RS						
BRG ODE	6205 2RS						