

# DATA SHEET

Premium Efficiency Motor: **SSPE15-18-254TCRD,**

**60 Hz**

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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Customer:

MOTOR INFORMATION	
HP	15
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	254TC
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	4
Full Load Speed	1765
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1
Slip	1.94%
NEMA Design	B
Moment of Inertia	1.8 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%	92.4 %	0.85
75%	92.0 %	0.75
50%	91.5 %	0.62

TORQUE		
FULL LOAD	LRT	BDT
44 lb.ft.	200 %	260 %

AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	37	18.5
Locked Rotor Amps	232	116
No Load Current	16	8
Usable at 208V		40

BEARING INFORMATION	
DE Bearing	6309 2RS
ODE Bearing	6309 2RS
Grease Type	Mobil Polyrex EM

ADDITIONAL DATA	
F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	12 Lead 2Δ/Δ
Approximate Weight	368 lbs.

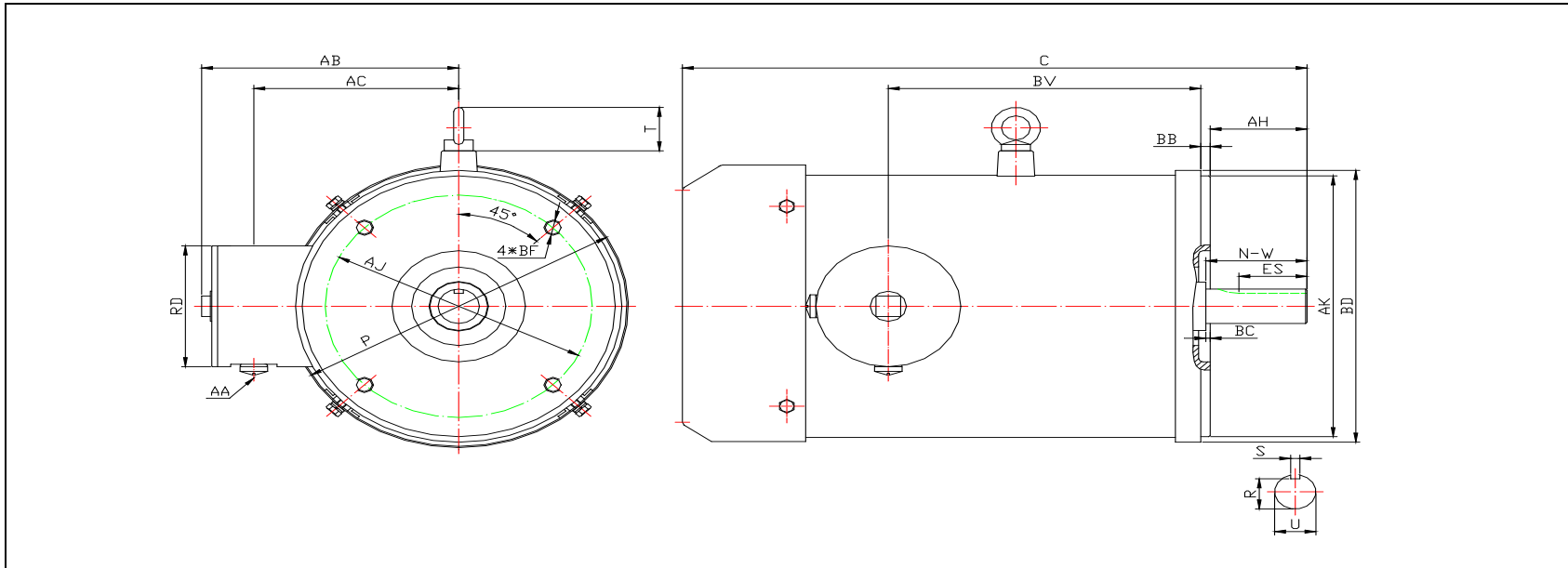
# MOTOR DRAWING

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## DIMENSION - INCHES

FLANGE MOUNTING						C	P	T	AB
AK	BD	AJ	BF	BB	BC				
8.5	11.72	7.25	4*1/2-13	0.25	0.25	23.2	12.7	2.1	8.9

SHAFT & KEY					
S	ES	R	N-W	U	AH
0.375	2.91	1.416	4	1.625	3.75

TERMINAL BOX				
AA	AB	AC	RD	BV
3/4 NPT	8.9	7.25	5.12	12.65

# PERFORMANCE CURVES

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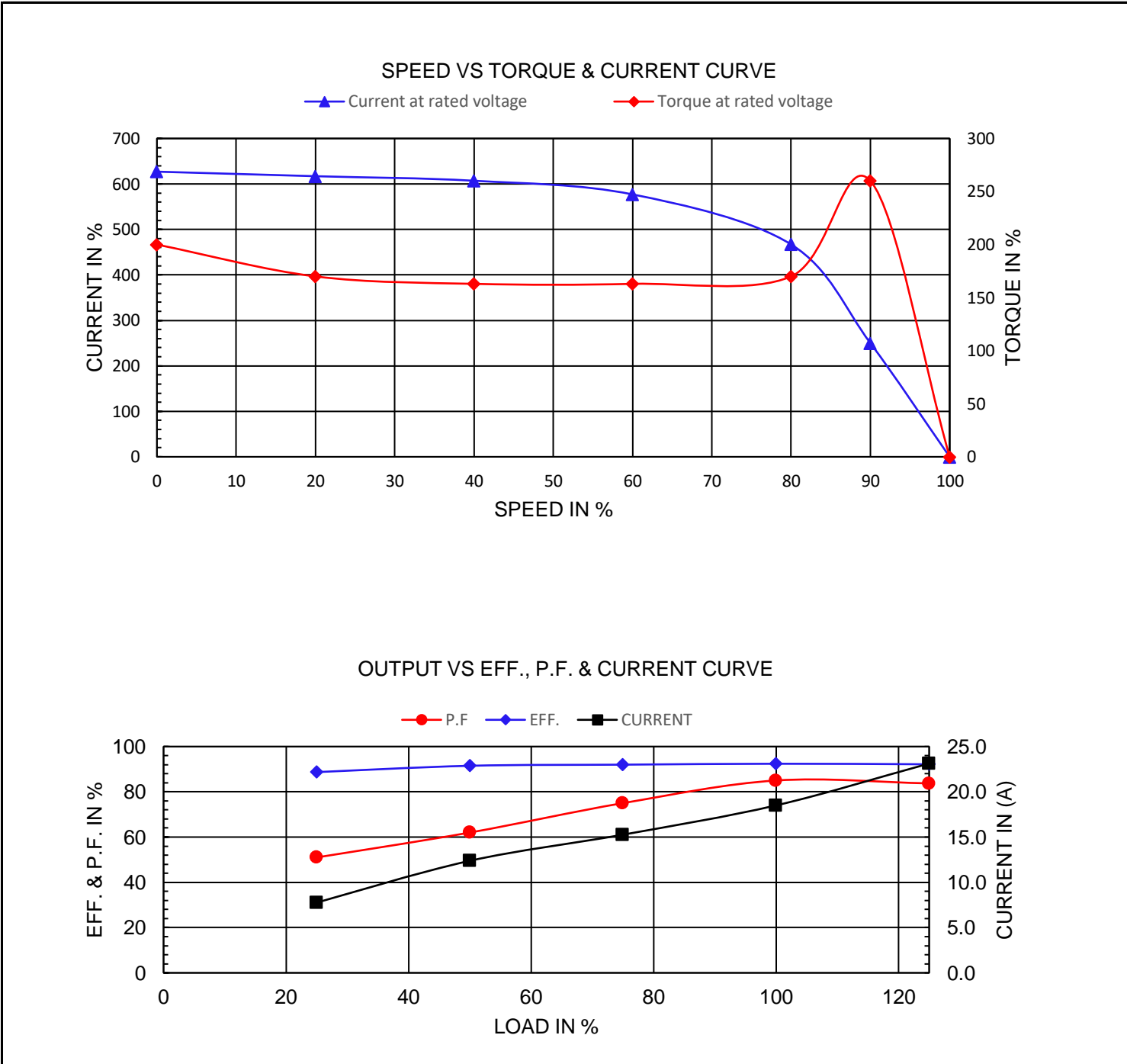
Premium Efficiency Motor:

**SSPE15-18-254TCRD**

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Motor Type	SSPE				
Output Rating (HP)	15	FL Speed	1765		
Full Load Torque	44 lb.ft	LRT (%FLT)	200	460 volt FLA	18.5
Rotor Wk <sup>2</sup>	1.8 lb-ft <sup>2</sup>	BDT (%FLT)	260	230 volt FLA	37



# NAMEPLATE / WIRING

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**SSPE15-18-254TCRD**

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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.			
				602259 US		E517327	
<b>CC082A</b>							

Model	SSPE15-18-254TCRD			FRAME	254TC	LB/WT	368 lbs.
Hz	60	S.F.	1.15	Hz	50	S.F.	1.15
HP	15	RPM	1765	HP	10	RPM	1470
VOLTS	230/460			VOLTS	190/380		
AMPS	37/18.5			AMPS	30.0/15.0		
CODE	G	P.F.	0.85	CODE	J	P.F.	0.81
EFF	92.4%	MIN	91.5%	IE3 -	90.4%		
BRG DE	6309 2RS						
BRG ODE	6309 2RS						