



DATA SHEET

Premium Efficiency Motor: **SSPE1.5-12-182TC,**

60 |

Document Generated: 22-Feb-2023
Document ID:

Customer:

MOTOR INFORMATION

HP	1.5
RPM	1200
Phase	3
Frequency	60
Voltage	230/460
Frame Size	182TC
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	6
Full Load	1170
Speed	F
Temperature Class	80°C
NEMA Code Letter	M
Duty Cycle	S1
Slip	2.50%
NEMA Design	B
Moment of Inertia	0.416 lb.ft.^2
Locked Rotor Time	12 seconds
(Hot) Sound Pressure	57 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,
Approvals	UL1004 CSA,UL,CE

EFFICIENCY/POWER

FACTOR	LOAD	EFF	P. F.
100%		87.5	
%	0.7	75.0 %	0.6
50%		5	
		76.0 %	0.5
		8	

TORQUE

FULL LOAD	LRT	BD
6.6 lb.ft.	255 %	270 %

AMPERAGE INFORMATION

	230V	460
Full Load Amps	V	
Locked Rotor	4.9	2.45
Amps No Load	40	20
Current Usable at 208V	3.2	5
		1.6

BEARING INFORMATION

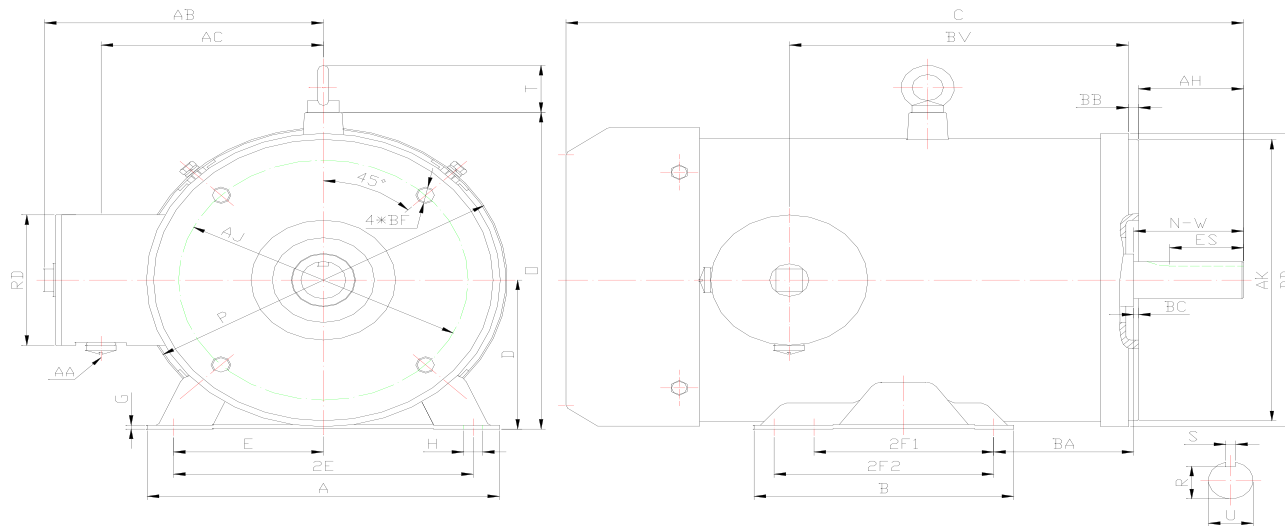
DE Bearing	6308 2RS
ODE Bearing	6306 2RS
Grease Type	Mobil Polyrex
	EM

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	9 Lead 2Y/Y
Approximate Weight	82 lbs.

MOTOR DRAWING

Premium Efficiency Motor: **SSPE1.5-12-182TC**



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
3.75	4.5	5.5	0.71*0.47	3.5	8.8	6.5	17	4.5	0.118	9.25	9.55	1.45	7

SHAFT & KEY					
S	ES	R	N-W	U	AH
0.25	1.78	0.986	2.75	1.125	2.62

TERMINAL BOX				
AA	AB	AC	RD	BV
1/2 NPT	7	5.55	3.95	8.5

FLANGE					
AK	BD	AJ	BF	BB	BC
8.5	8.85	7.25	4*1/2-13	0.25	0.12



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PERFORMANCE CURVES

Premium Efficiency Motor:

SSPE1.5-12-182TC

Document Generated: 30-Jan-2023

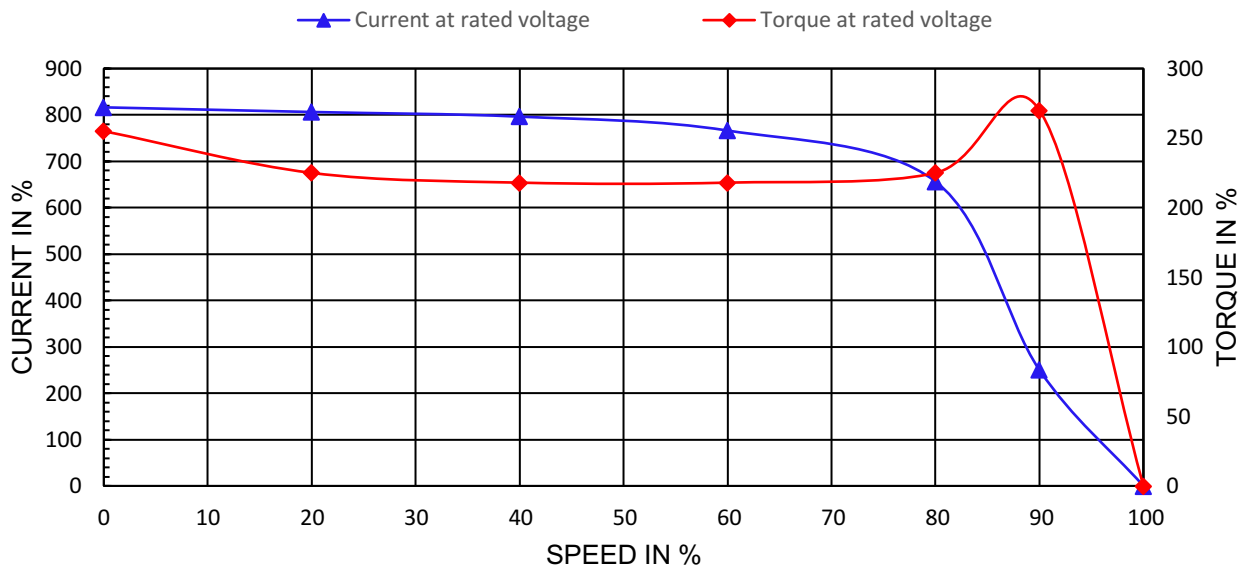
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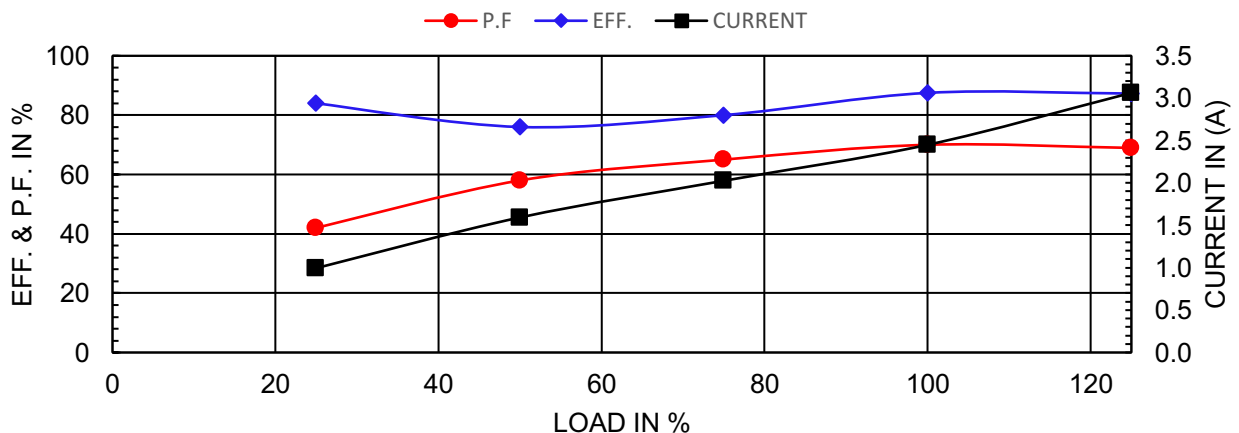
Motor Type	SSPE		FL Speed	1170		
Output Rating	1.5		LRT (%FLT)	255	460 volt FLA	2.45
(HP) Full Load	6.6	lb.ft	BDT (%FLT)	270	230 volt FLA	4.9
Torque Rotor	0.416	lb-ft^2				

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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





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NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

Model .		FRAME		IP 69K	LB/WT
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.	









CC082A

Model	SSPE1.5-12-182TC	FRAME	182TC	LB/WT	82 lbs.
Hz	60	S.F.	1.15	Hz	50
HP	1.5	RPM	1170	HP	1
VOLTS	230/460	VOLTS	190/380	RPM	980
AMPS	4.9/2.45	AMPS	4.0/2.0		
CODE	M	P.F.	0.7	CODE	N
EFF	87.5%	MIN	76%	IE3 -	78.9%
BRG DE	6308				
2RS BRG					
ODE	6306 2RS				