

DATA SHEET

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

60 Hz



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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	IP69K
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 - C-Face with Feet
Rotation	Bidirectional
Area of Classification	Class 1 Division 2 Gr. A,B,C,D - T3
Inverter Rating	10:1 CT/20:1 VT - T3
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	6	3
Locked Rotor Amps	50	25
No Load Current	3.5	1.75
Usable at 208V	6.2	

BEARING INFORMATION

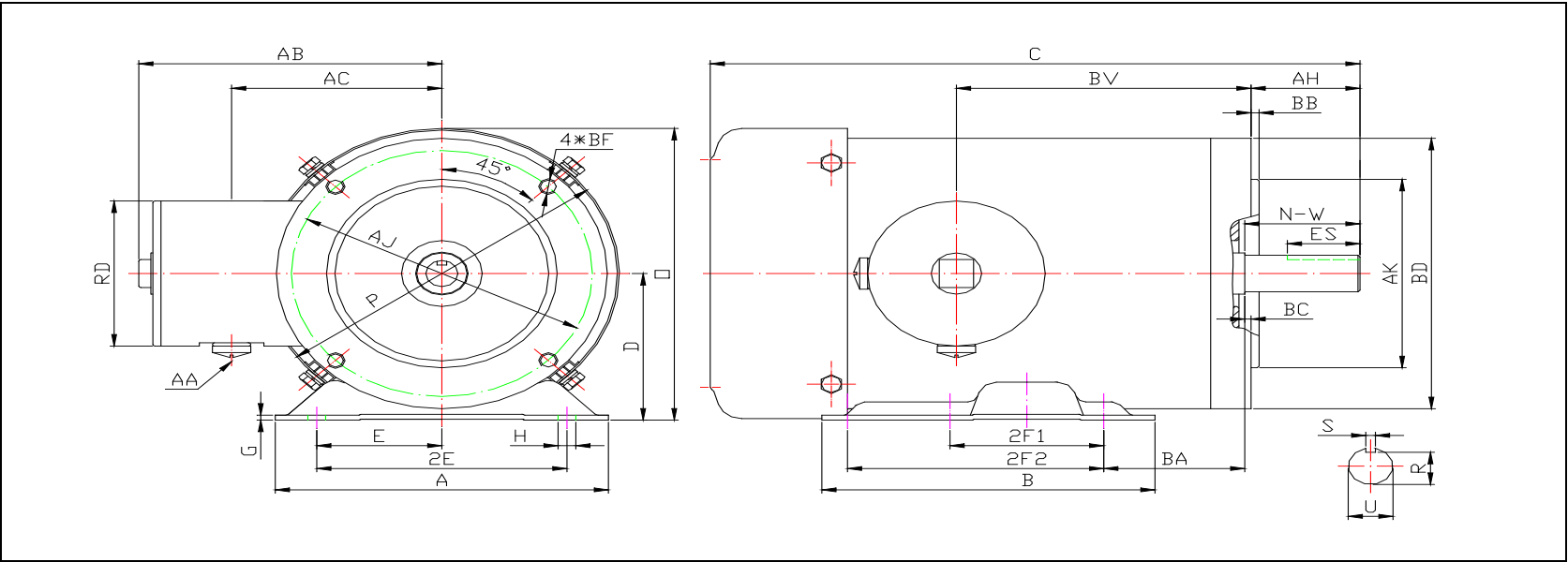
DE Bearing	6205 2RS
ODE Bearing	6205 2RS
Grease Type	Mobil Polyrex EM

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	9 Lead 2Y/Y
Approximate Weight	51 lbs.

MOTOR DRAWING

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



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	P	O	T	AB
E	2F1	2F2	H	BA									
2.44	3	5	1.22*0.34	2.75	6.5	6.5	13.75	3.5	0.118	6.95	6.98	N/A	5.95

SHAFT & KEY					
S	ES	R	N-W	U	AH
0.188	1.41	0.517	1.88	0.625	2.06

TERMINAL BOX				
AA	AB	AC	RD	BV
1/2 NPT	5.95	4.5	3.45	6.95

FLANGE					
AK	BD	AJ	BF	BB	BC
4.5	6.45	5.875	4*3/8-16	0.16	-0.19

PERFORMANCE CURVES

Premium Efficiency Motor:

SSPE2-18-56C

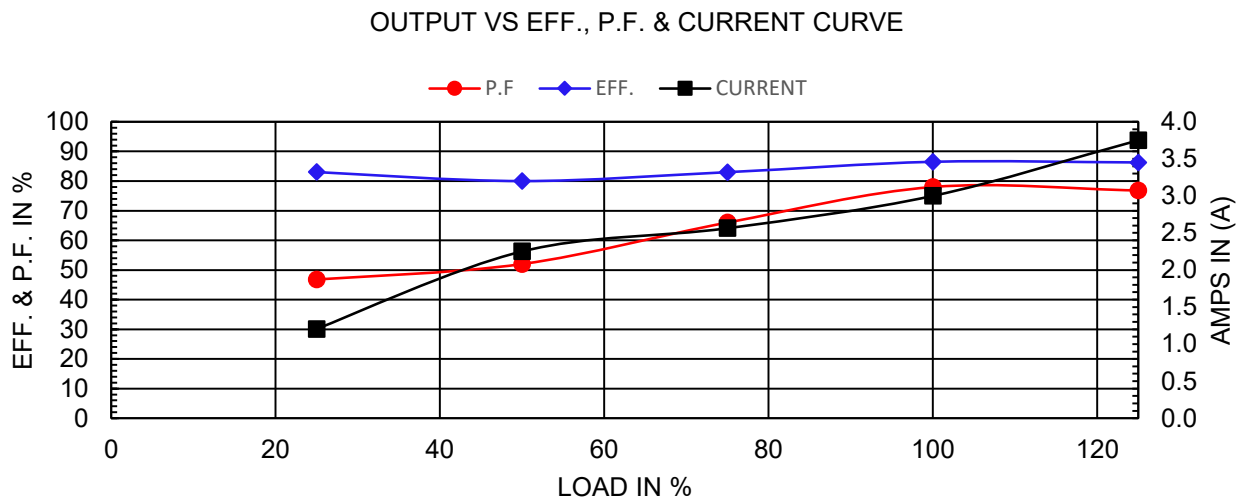
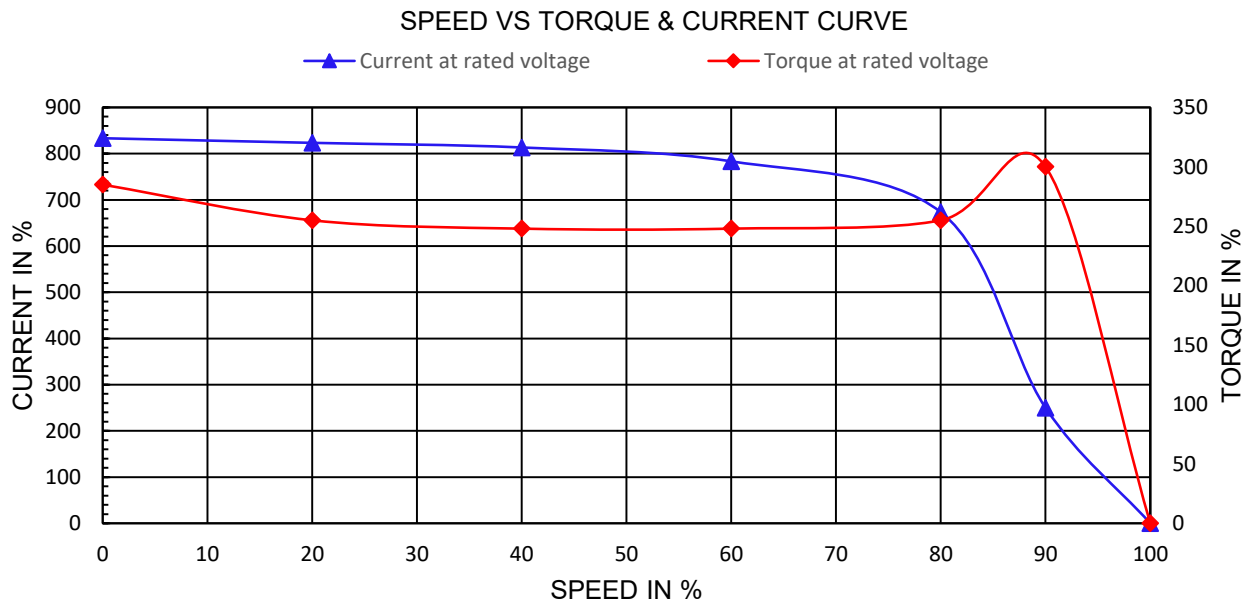


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Motor Type	SSPE		FL Speed	1750	
Output Rating (HP)	2		LRT (%FLT)	285	460 volt FLA 3
Full Load Torque	5.9	lb.ft	BDT (%FLT)	300	230 volt FLA 6
Rotor Wk^2	0.184	lb-ft^2			



NAMEPLATE / WIRING

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SAMPLE NAMEPLATE DATA

THREE PHASE AC INDUCTION MOTOR

CC082A

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			
AMP		AMP		BRG DE			
CODE	P. F.	CODE	P. F.	BRG ODE			
EFF MIN		IE3 -		NO.			

CSA Certified

CLASS 1 DIV. 2, Gr A, B, C, D - T3
For Use on PWM:CT 6-60Hz , VT 3-60Hz - 1.00 SF - T3
Worldwide Electric Corporation - Fairport, NY

Model	SSPE2-18-56C	FRAME	56C	LB/WT	51 lbs.
Hz	60 S.F.	1.15	Hz	50 S.F.	1.15
HP	2 RPM	1750	HP	1 1/2 RPM	1455
VOLTS	230/460		VOLTS	190/380	
AMPS	6/3		AMPS	5.2/2.6	
CODE	L P.F.	0.78	CODE	M P.F.	0.76
EFF	86.5% MIN	80%	IE3 -	84.1%	
BRG DE	6205 2RS				
BRG ODE	6205 2RS				