



DATA SHEET

Premium Efficiency Motor: **SSPE2-36-56C,**

60 Hz

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Customer:

MOTOR INFORMATION

HP	2
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	56C
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	2
Full Load	3480
Speed	F
Temperature Class	80°C
NEMA Code Letter	L
Duty Cycle	S1
Slip	3.33%
NEMA Design	B
Moment of Inertia	0.094 lb.ft.^2
Locked Rotor Time	12 seconds
(Hot) Sound Pressure	76 dB(A)
Number of Starts	10
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%		85.5	
%	0.9175	85.5%	0.8
50%		5	
		75.0 %	0.7
		8	

TORQUE

FULL LOAD	LRT	BD
7.9 lb.ft.	285 %	300 %

AMPERAGE INFORMATION

	230V	460
Full Load Amps	V	
Locked Rotor	4.8	2.4
Amps No Load	50	25
Current Usable at 208V	1.7	5
		0.85

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	46 lbs.



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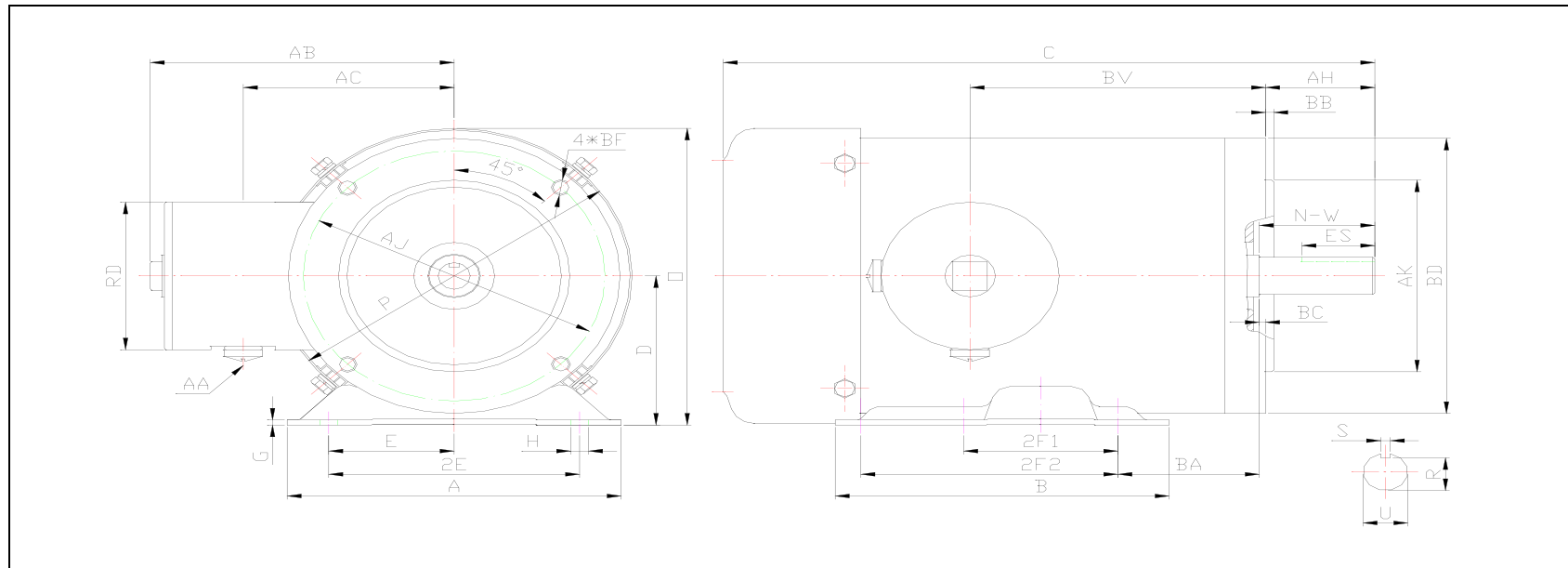
AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

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MOTOR DRAWING

Premium Efficiency Motor: **SSPE2-36-56C**



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:

SSPE2-36-56C

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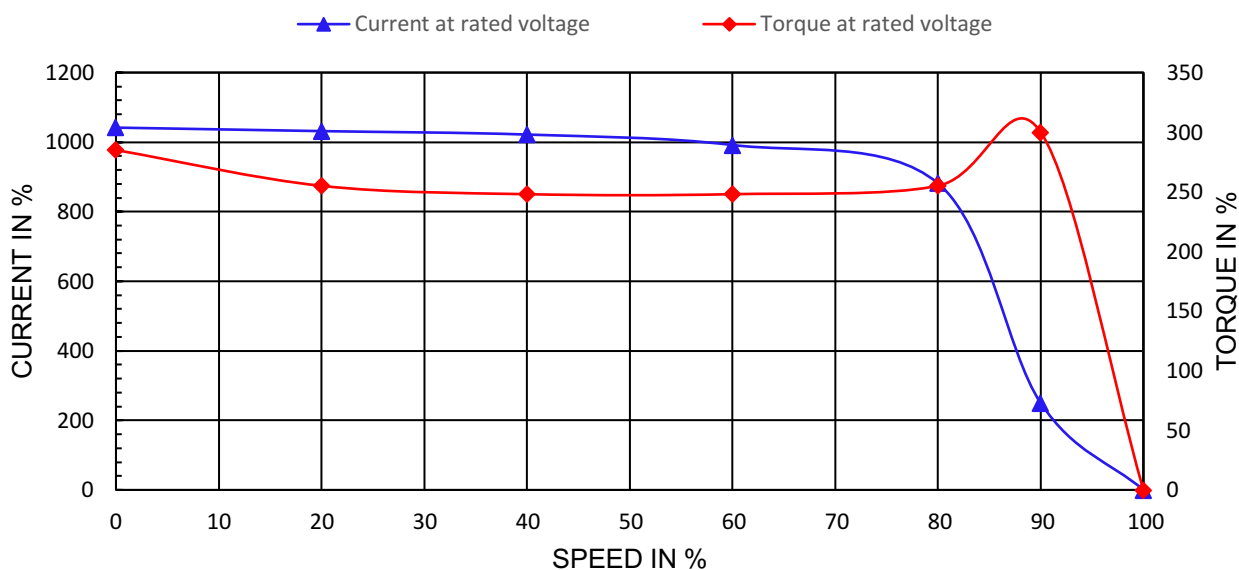
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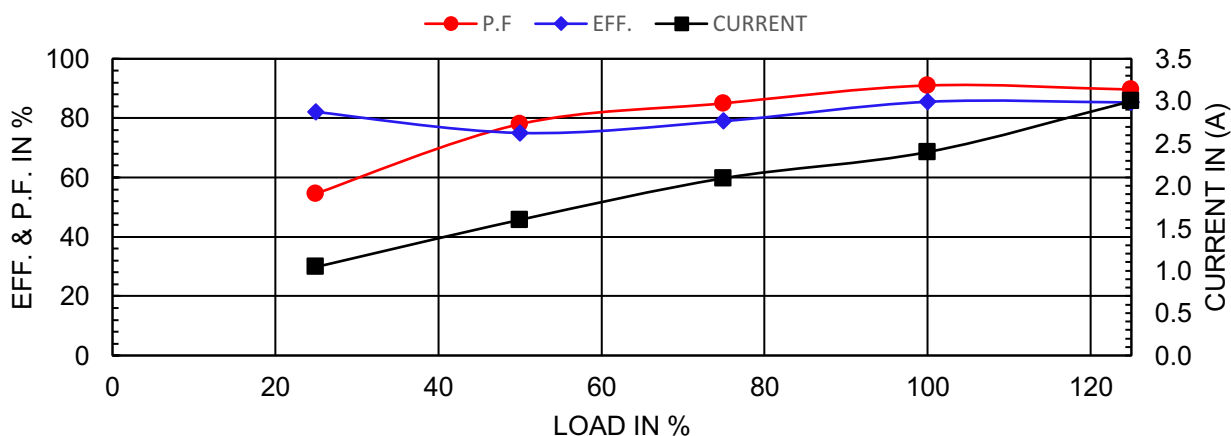
Motor Type	SSPE		FL Speed	3480	
Output Rating	2		LRT (%FLT)	285	460 volt FLA 2.4
(HP) Full Load	2.9	lb.ft	BDT (%FLT)	300	230 volt FLA 4.8
Torque Rotor	0.094	lb-ft^2			

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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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
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	SSPE2-36-56C	FRAME	56C	LB/WT	46 lbs.
Hz	60	S.F.	1.15	Hz	50
HP	2	RPM	3480	HP	1 1/2
VOLTS	230/460	VOLTS	190/380		
AMPS	4.8/2.4	AMPS	4.4/2.2		
CODE	L	P.F.	0.91	CODE	M
EFF	85.5%	MIN	75%	IE3 -	
	82.7%	BRG DE	6205		
	2RS	BRG			
	ODE		6205 2RS		