



DATA SHEET

 Premium Efficiency Motor: **SSPE1.5-36-56CRD,**

60 Hz

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MOTOR INFORMATION

HP	1.5
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	M
Duty Cycle	S1
Slip	3.33%
NEMA Design	B
Moment of Inertia	0.072 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%	84.0	
%	0.9175%	0.8
50%	2	
	74.0 %	0.7
	3	

TORQUE

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

AMPERAGE INFORMATION

	230V	460
Full Load Amps	V	
Locked Rotor	4	2
Amps No Load	40	20
Current Usable at 208V	1.5	4
		0.75

BEARING INFORMATION

DE Bearing	6205 2RS
ODE	6205 2RS
Bearing	Mobil Polyrex

Grease Type EM

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	9 Lead 2Y/Y
Approximate Weight	38 lbs.



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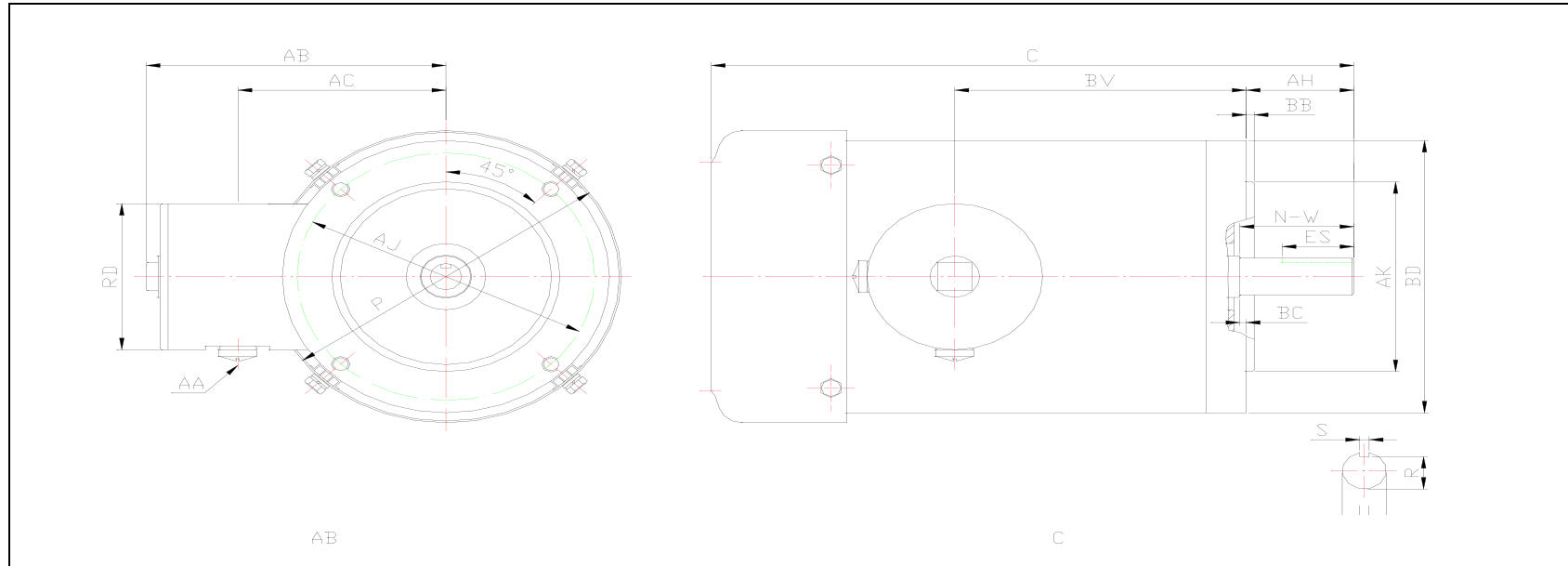
AC-DC MOTORS :: SALES & SERVICE
 REWINDING :: CUSTOM CONTROL PANEL

Kelly MacMillan
 Office Ph: 888-226-4917
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 Cell: 402-679-1579
 E-Mail: kelly@electricalhelper.com



MOTOR DRAWING

Premium Efficiency Motor: **SSPE1.5-36-56CRD**



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	-0.19	12.57	6.95	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	4.75



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PERFORMANCE CURVES

Premium Efficiency Motor:

SSPE1.5-36-56CRD

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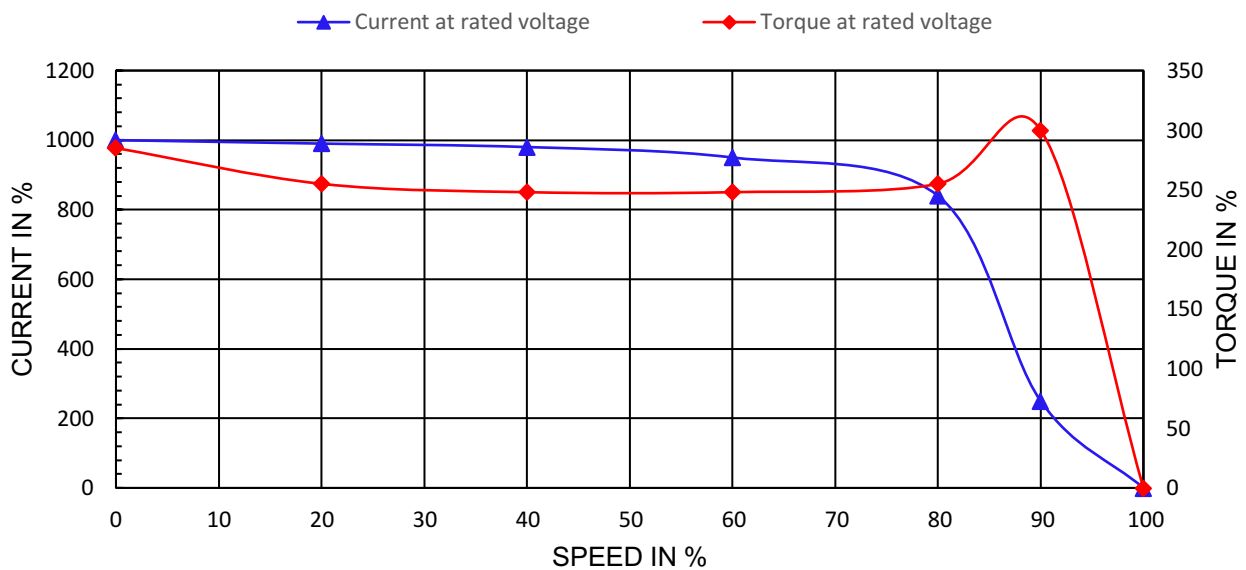
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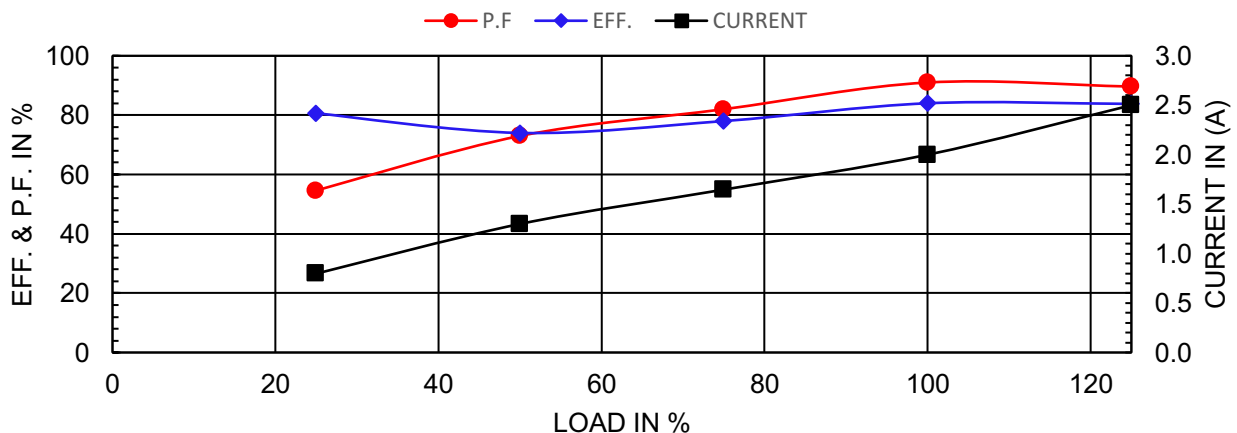
Motor Type	SSPE				
Output Rating	1.5		FL Speed	3480	
(HP) Full Load	2.3	lb.ft	LRT (%FLT)	285	460 volt FLA 2
Torque Rotor	0.072	lb-ft^2	BDT (%FLT)	300	230 volt FLA 4

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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





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NAMEPLATE / WIRING

Premium Efficiency Motor:

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SAMPLE NAMEPLATE DATA

		THREE PHASE AC INDUCTION MOTOR				NEMA® Premium	
		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.			
						230V 	
						460V 	
						CC082A	

Model	SSPE1.5-36-56CRD			FRAME 56C		LB/WT 38 lbs.	
Hz	60	S.F.	1.15	Hz 50		S.F. 1.15	
HP	1.5	RPM	3480	HP	1	RPM	2900
VOLTS			230/460	VOLTS			190/380
AMPS			4/2	AMPS			3.3/1.65
CODE	M	P.F.	0.91	CODE N		P.F. 0.85	
EFF	84%	MIN	74%	IE3 - 80.7%			
BRG DE			6205 2RS				
BRG ODE			6205				
2RS							