



Electrical Helper.org
For All Your Electric Needs Since 1928
411 N Platte Ave. York, NE. 68467

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

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DATA SHEET

Premium Efficiency Motor: **SSPE5-36-184TC,**

60 Hz

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Customer:

MOTOR INFORMATION

HP	5
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	184TC
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	2
Full Load	3525
Speed	F
Temperature Class	80°C
NEMA Code Letter	J
Duty Cycle	S1
Slip	2.08%
NEMA Design	B
Moment of Inertia	0.26 lb.ft.^2
Locked Rotor Time	12 seconds
(Hot) Sound Pressure	78 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%	88.5	
%	0.9185	0.8
50%	6	
	88.0 %	0.7
	8	

TORQUE

FULL LOAD	LRT	BD
7.3 lb.ft.	225 %	280 %

AMPERAGE INFORMATION

	230V	460
Full Load Amps	V	
Locked Rotor	12.2	6.
Amps No Load	1	
Current Usable at 208V	92	46
	4.4	2.2

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	95 lbs.

MOTOR DRAWING

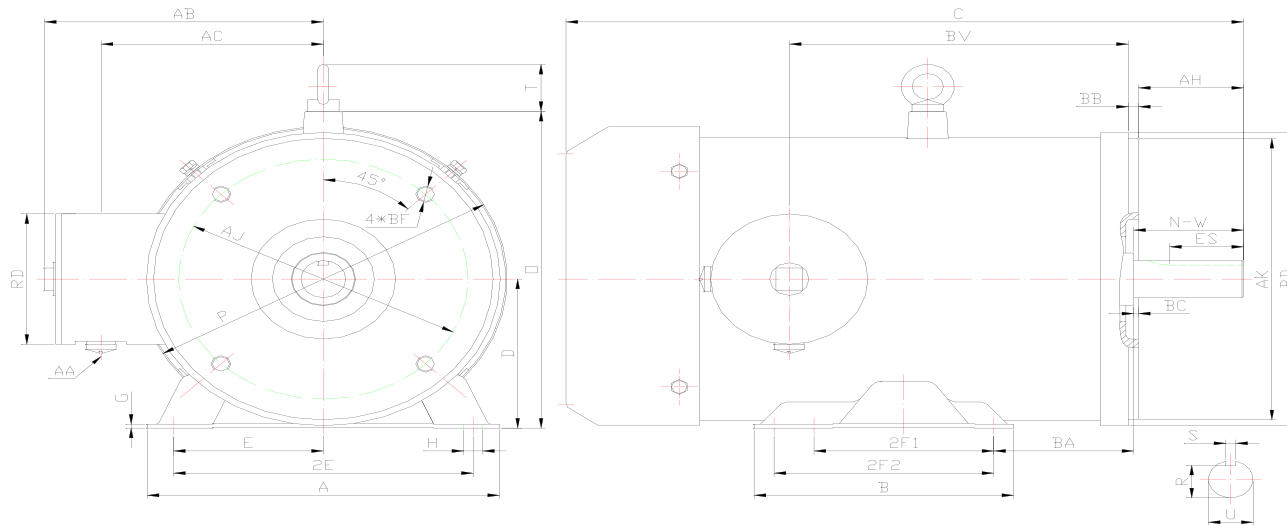
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DIMENSION - INCHES

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:

SSPE5-36-184TC

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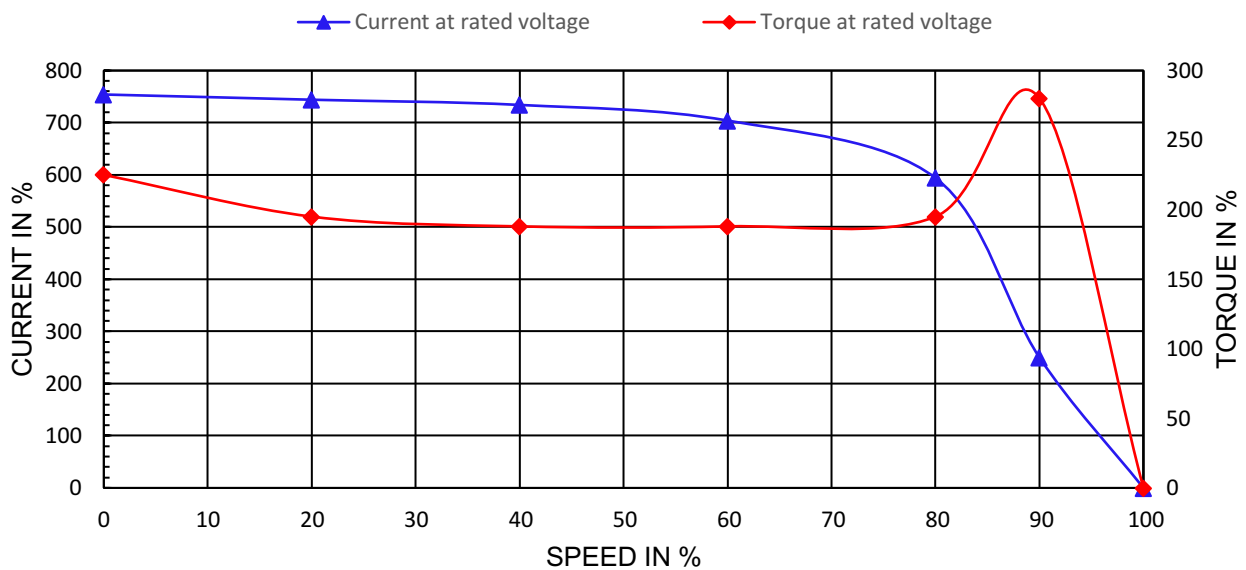
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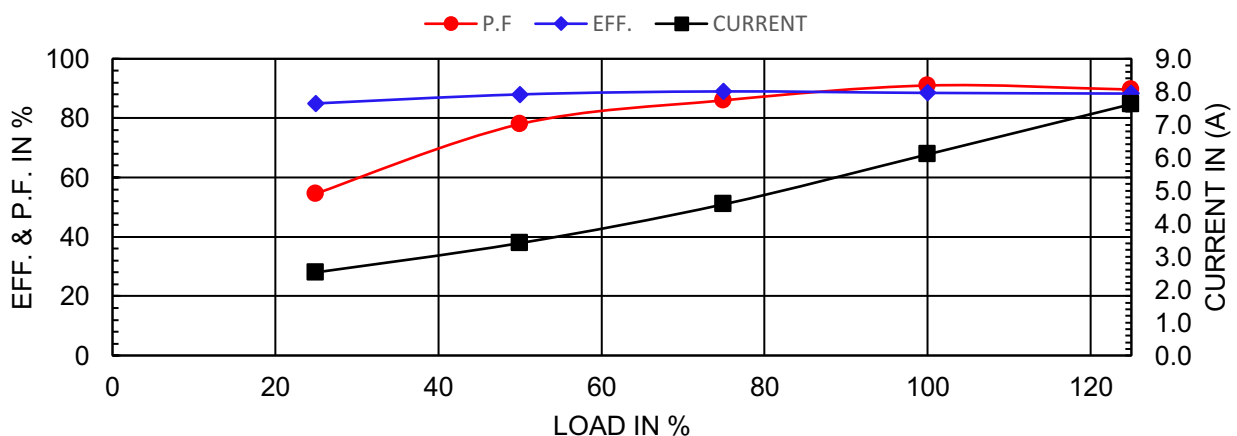
Motor Type	SSPE		FL Speed	3525	
Output Rating	5		LRT (%FLT)	225	460 volt FLA 6.1
(HP) Full Load	7.3	lb.ft	BDT (%FLT)	280	230 volt FLA 12.2
Torque Rotor	0.26	lb-ft^2			

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

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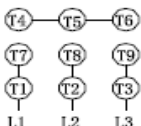
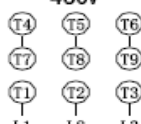
SAMPLE NAMEPLATE DATA



THREE PHASE AC INDUCTION MOTOR

INVERTER DUTY 20:1 VT 10:1 CT



Model .		FRAME		IP 69K	LB/WT	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		460V 
CODE	P. F.	CODE	P. F.	BRG ODE		
EFF	MIN	IE3 -		NO.		







CC082A

Model	SSPE5-36-184TC			FRAME	184TC		LB/WT	95 lbs.	
Hz	60	S.F.	1.15	Hz	50		S.F.	1.15	
HP	5	RPM	3525	HP		3	RPM	2930	
VOLTS	230/460			VOLTS	190/380				
AMPS	12.2/6.1			AMPS	9/4.5				
CODE	J	P.F.	0.91	CODE	K		P.F.	0.86	
EFF	88.5%	MIN	88%	IE3 -					
85.9% BRG DE 6308									
2RS BRG									
ODE 6306 2RS									