



DATA SHEET

Premium Efficiency Motor: **SSPE5-18-184TCRD,**

60 Hz

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Customer:

MOTOR INFORMATION

HP	5
RPM	1800
Phase	3
Frequency	60
Voltage	230/460
Frame Size	184TC
Enclosure	TEFC
Degree of Protection	IP69K
Service Factor	1.15
Poles	4
Full Load	1765
Speed	F
Temperature Class	80°C
NEMA Code Letter	J
Duty Cycle	S1
Slip	1.94%
NEMA Design	B
Moment of Inertia	0.5 lb.ft.^2
Locked Rotor Time	12 seconds
(Hot) Sound Pressure	64 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%	89.5	
%	0.8590%	0.7
50%	7	
	89.0 %	0.6
	6	

TORQUE

FULL LOAD	LRT	BDT
14.7 lb.ft.	225 %	280
%		

AMPERAGE INFORMATION

	230V	460
Full Load Amps	V	
Locked Rotor	12.5	6.25
Amps No Load	82	46
Current Usable at 208V		13

BEARING INFORMATION

DE Bearing	6308 2RS
ODE	6306 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	99 lbs.



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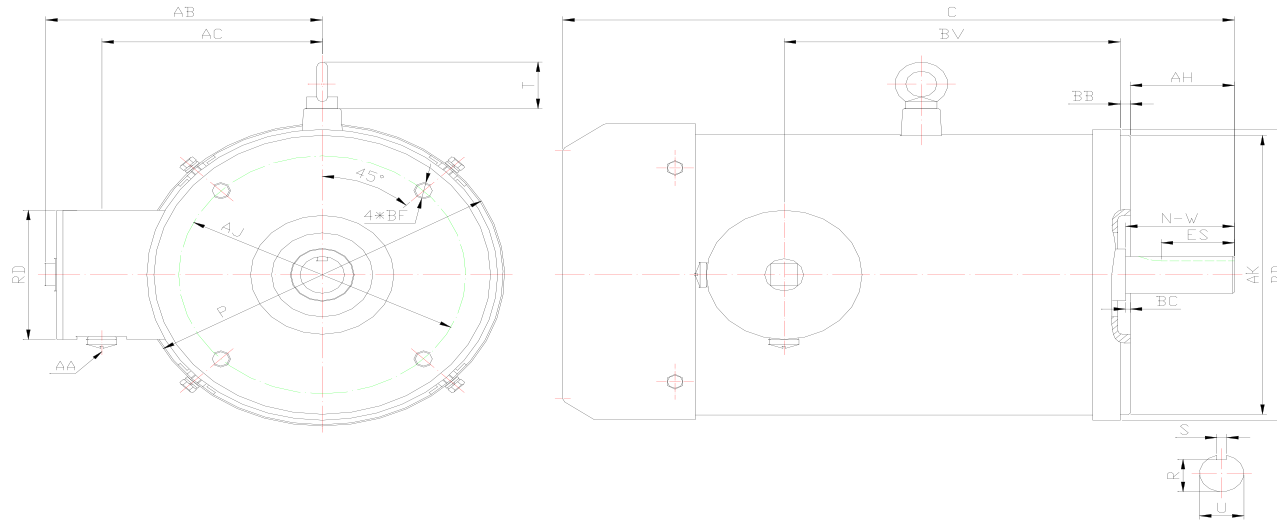
AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

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MOTOR DRAWING

Premium Efficiency Motor: **SSPE5-18-184TCRD**



DIMENSION - INCHES

FLANGE MOUNTING						C	P	T	AB
AK	BD	AJ	BF	BB	BC				
8.5	8.85	7.25	4*1/2-13	0.25	0.12	17	9.25	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



PERFORMANCE CURVES

Premium Efficiency Motor:

SSPE5-18-184TCRD

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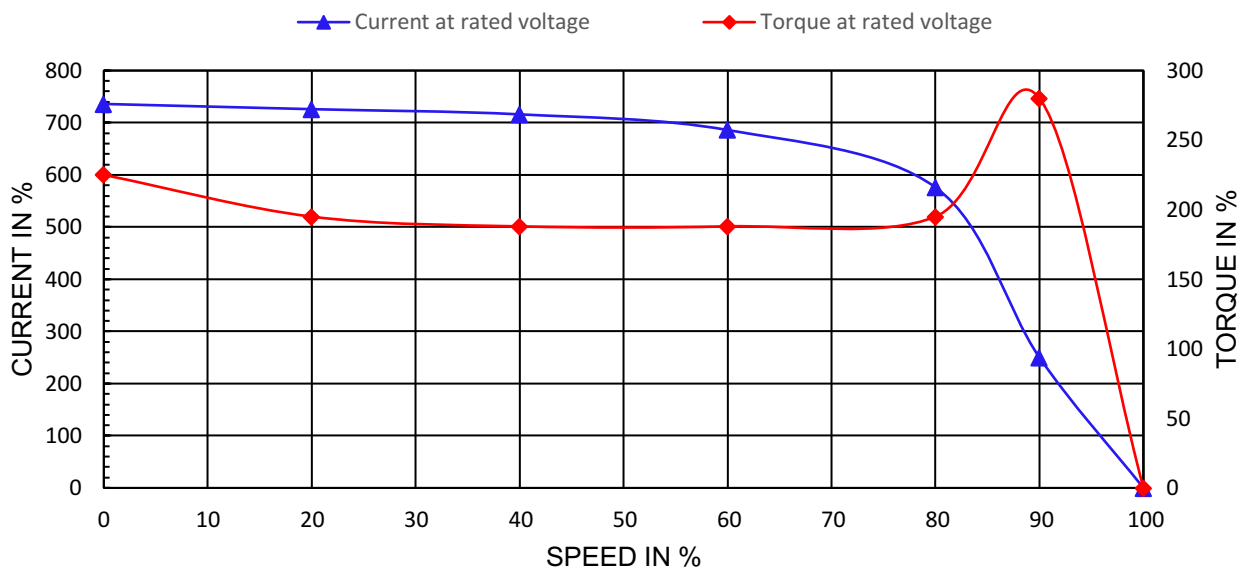
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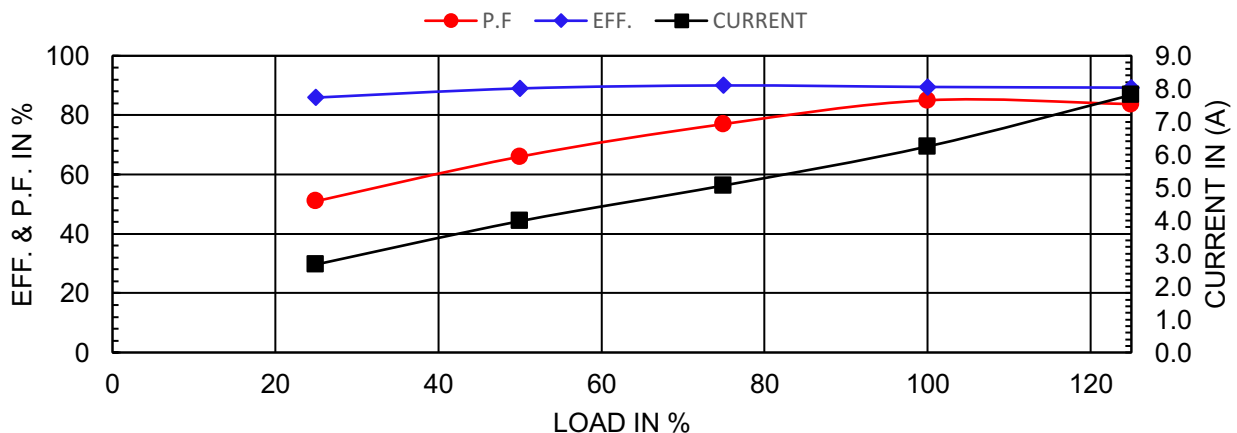
Motor Type	SSPE		FL Speed	1765	
Output Rating	5		LRT (%FLT)	225	460 volt FLA 6.25
(HP) Full Load	14.7	lb.ft	BDT (%FLT)	280	230 volt FLA 12.5
Torque Rotor	0.5	lb-ft^2			

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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





NAMEPLATE / WIRING

Premium Efficiency Motor:

SSPE5-18-184TCRD

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SAMPLE NAMEPLATE DATA

		THREE PHASE AC INDUCTION MOTOR				NEMA®	
		INVERTER DUTY 20:1 VT 10:1 CT				Premium	
Model .		FRAME		IP 69K	LB/WT		230V 460V
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.			
				C 502259 US		E 517327	
CC082A							

Model	SSPE5-18-184TCRD			FRAME	184TC	LB/WT	99 lbs.
Hz	60	S.F.	1.15	Hz	50	S.F.	1.15
HP	5	RPM	1765	HP	3	RPM	1465
VOLTS		230/460		VOLTS		190/380	
AMPS		12.5/6.25		AMPS		9/4.5	
CODE	J	P.F.	0.85	CODE	K	P.F.	0.85
EFF	89.5%	MIN	89%	IE3 - 86.7%			
BRG DE		6308 2RS					
BRG ODE		6306					
2RS							