



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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WorldWide
ELECTRIC CORPORATION



DATA SHEET

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

60 Hz

Document Generated: 22-Feb-2023
Document ID:

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 Bearing	6306 2RS
Grease Type	Mobil Polyrex
	EM

ADDITIONAL DATA

F2 Suitable	No
Shaft Material	304 Stainless
Connection Diagram	Steel
Approximate	9 Lead 2Y/Y
Weight	100 lbs.

MOTOR DRAWING

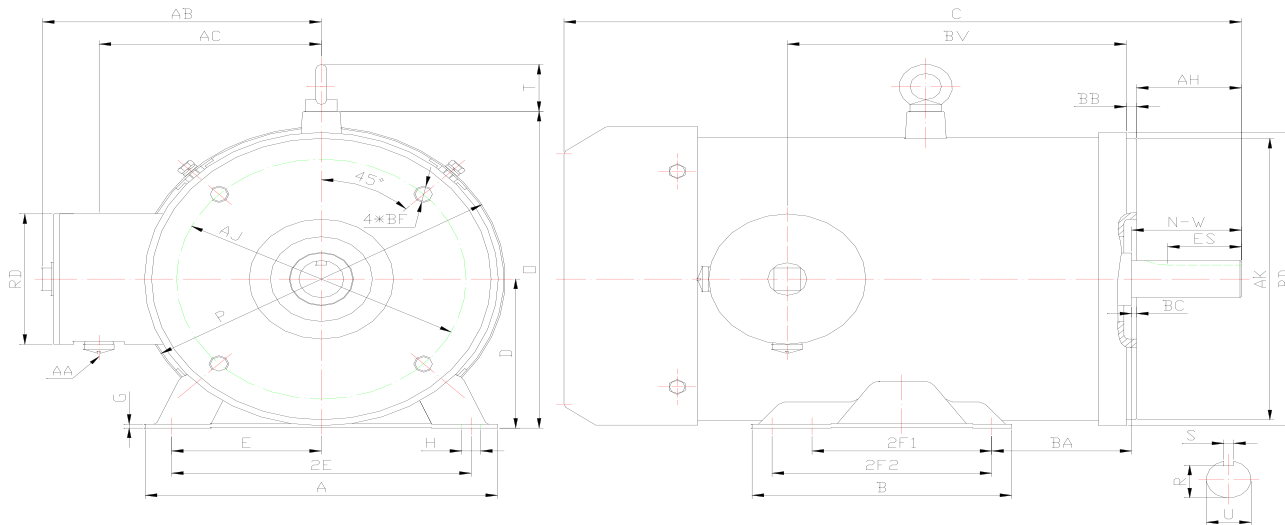
Premium Efficiency Motor: **SSPE5-18-184TC**



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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

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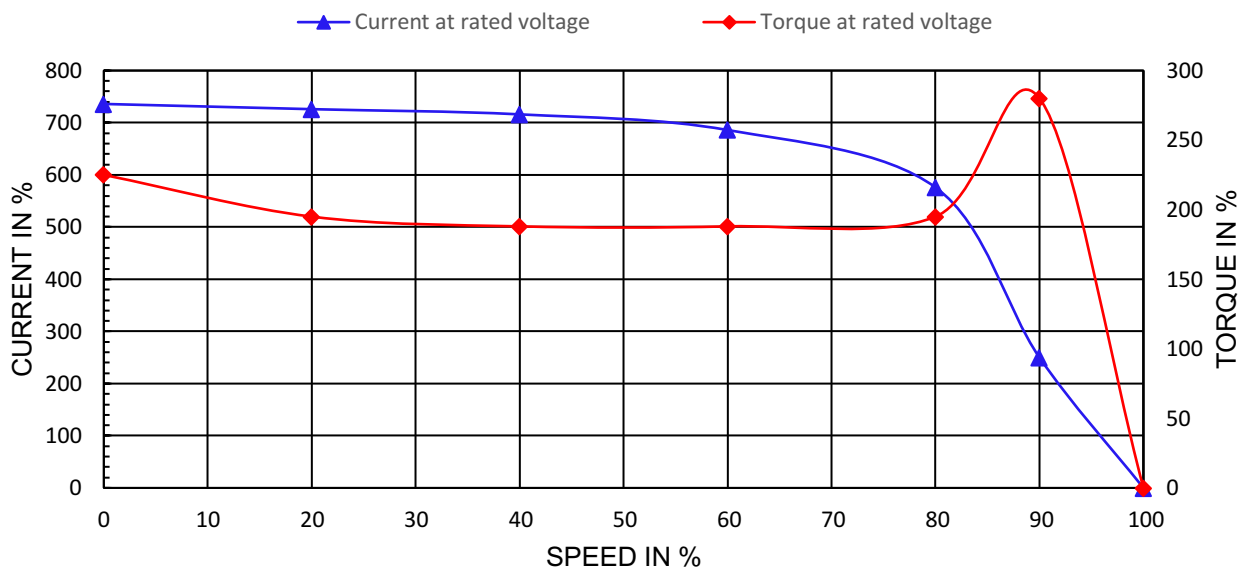
Document Generated: 30-Jan-2023
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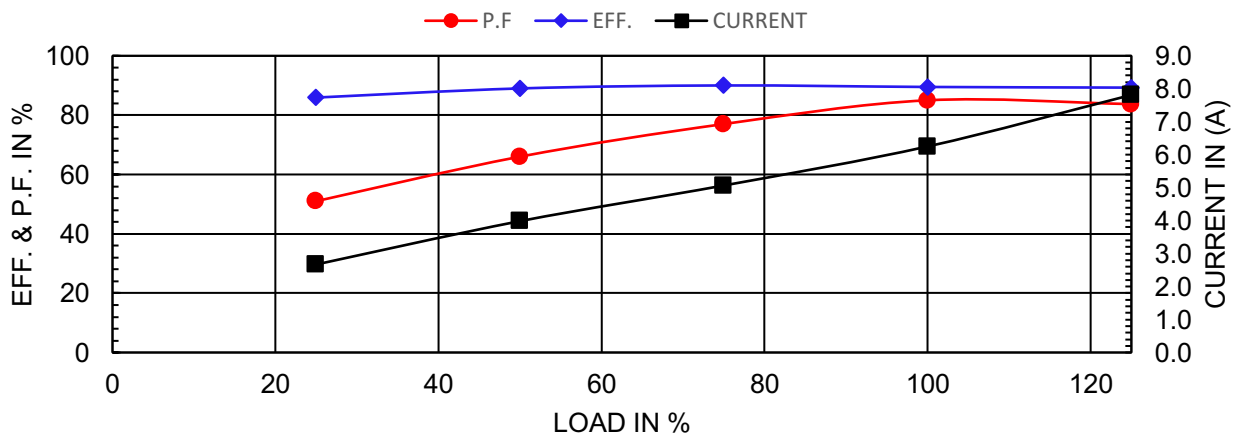
Motor Type	SSPE		FL Speed	1765	
Output Rating	5		LRT (%FLT)	225	460 volt FLA 6.25
(HP) Full Load	14.7	lb.ft	BDT (%FLT)	280	230 volt FLA 12.5
Torque Rotor	0.5	lb-ft^2			

Wk^2

SPEED VS TORQUE & CURRENT CURVE



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





NAMEPLATE / WIRING

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

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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	SSPE5-18-184TC	FRAME	184TC	LB/WT	100 lbs.
Hz	60	S.F.	1.15	Hz	50
HP	5	RPM	1765	HP	3
VOLTS	230/460	VOLTS	190/380	RPM	1465
AMPS	12.5/6.25	AMPS	9/4.5		
CODE	J	P.F.	0.85	CODE	K
EFF	89.5%	MIN	89%	IE3 -	86.7%
BRG DE	6308				
2RS BRG					
ODE	6306 2RS				