



WORLDWIDE ELECTRIC MOTOR DATA SHEET

EP3-18-182T



HORSEPOWER	3		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	182T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1750 RPM		
SERVICE FACTOR	1.25 SF at 40° C / 1.0 SF at 55° C		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	8.05 / 4.02 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460	64.0 / 32.0 A		
NO LOAD CURRENT	4.1 / 2.03 A		
NEMA CODE LETTER	K		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	90.3%	0.79
	75%	89.5%	0.78
	50%	87.6%	0.75
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	9.0 lb.ft.	220%	280%
SLIP	2.80%		
NEMA DESIGN	B		
MOMENT OF INERTIA	0.28 lb.ft. ²		
NUMBER OF STARTS (Hot / Cold)	2 Hot / 3 Cold		
MAX. AMBIENT TEMPERATURE	40° C at 1.25 SF / 55° C at 1.0 SF		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	6306ZZ		
ODE BEARING	6306ZZ		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable)		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	98 lbs.		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
INVERTER RATING	10:1 CT / 20:1 VT PWM Type		
SPECIFICATION - In Accordance With	NEMA, CSA		



CC067A



MARCH 10, 2015



WORLDWIDE ELECTRIC MOTOR DRAWING

EP-182T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
3.75	4.5	---	0.41	2.75	8.9	6.3	15.2	4.5	0.52	1.97	9.17	10.39	7.32

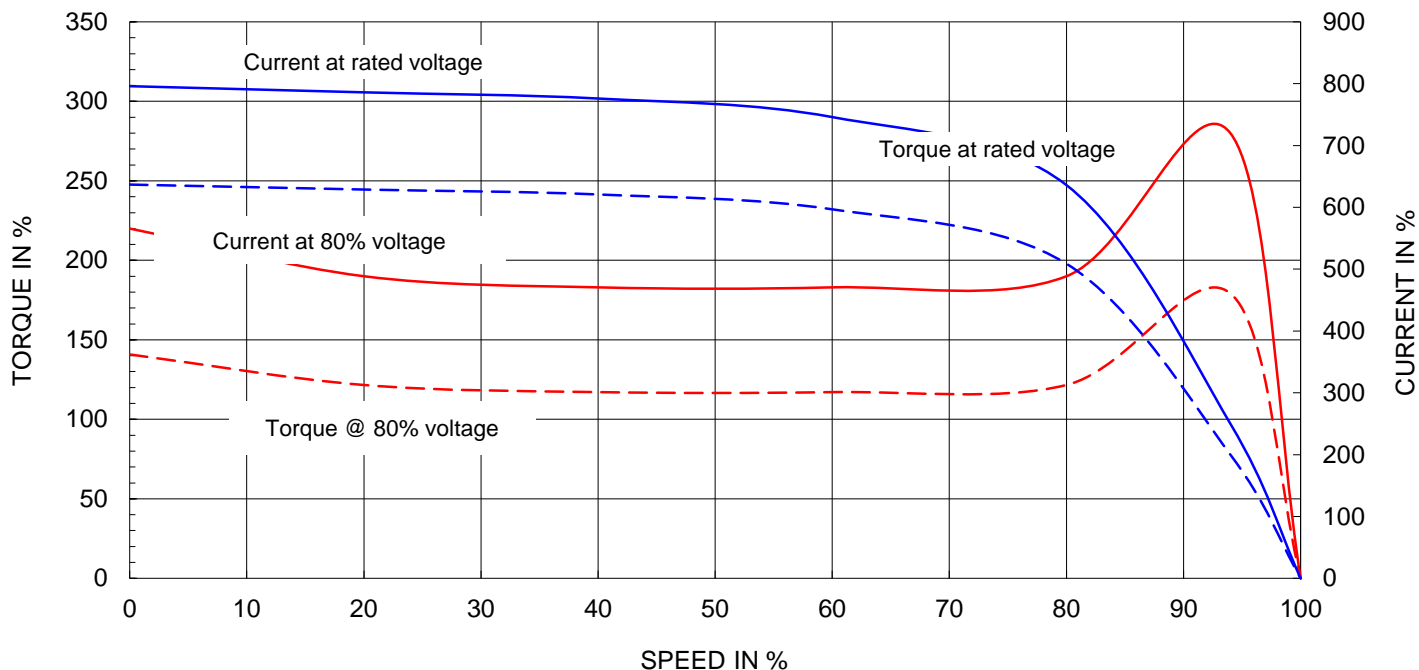
KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.25	1.78	0.986	2.75	1.125	1	2.05	5	4.57	4.88



Motor Performance Curves

Motor type:	EPIC				
Output rating (HP)	3	FL Speed:	1750		
Full Load Torque :	9	lb.ft	LRT (% FLT):	220	460 volt FLA: 4.0
Rotor Wk^2:	0.28	lb-ft^2	BDT (% FLT):	280	230 volt FLA: 8.0

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

