



WORLDWIDE ELECTRIC MOTOR DATA SHEET



EP60-18-364T

HORSEPOWER	60		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	364T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1780 RPM		
SERVICE FACTOR	1.25 SF at 40° C / 1.0 SF at 55° C		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	137.6 / 68.8 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460	870 / 435 A		
NO LOAD CURRENT	49.5 / 24.25 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	95.1%	0.86
	75%	95.0%	0.83
	50%	90.2%	0.79
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	178.0 lb.ft.	210%	270%
SLIP	0.60%		
NEMA DESIGN	B		
MOMENT OF INERTIA	15.66 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	6313		
ODE BEARING	6312		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable)		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	805 lbs.		
AREA CLASSIFICATION	Class I, Division 2, Groups A, B, C, D		
TEMPERATURE CODE AT 40°C AMBIENT	T3C		
TEMPERATURE CODE AT 55°C AMBIENT	T3A		
INVERTER RATING	10:1 CT / 20:1 VT PWM Type		
SPECIFICATION - In Accordance With	NEMA, CSA		



CC067A





WORLDWIDE ELECTRIC MOTOR DRAWING

EP-364T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
7	11.25	---	0.66	5.88	17	14.6	33.07	9	1.102	3.15	19.33	21	16.73

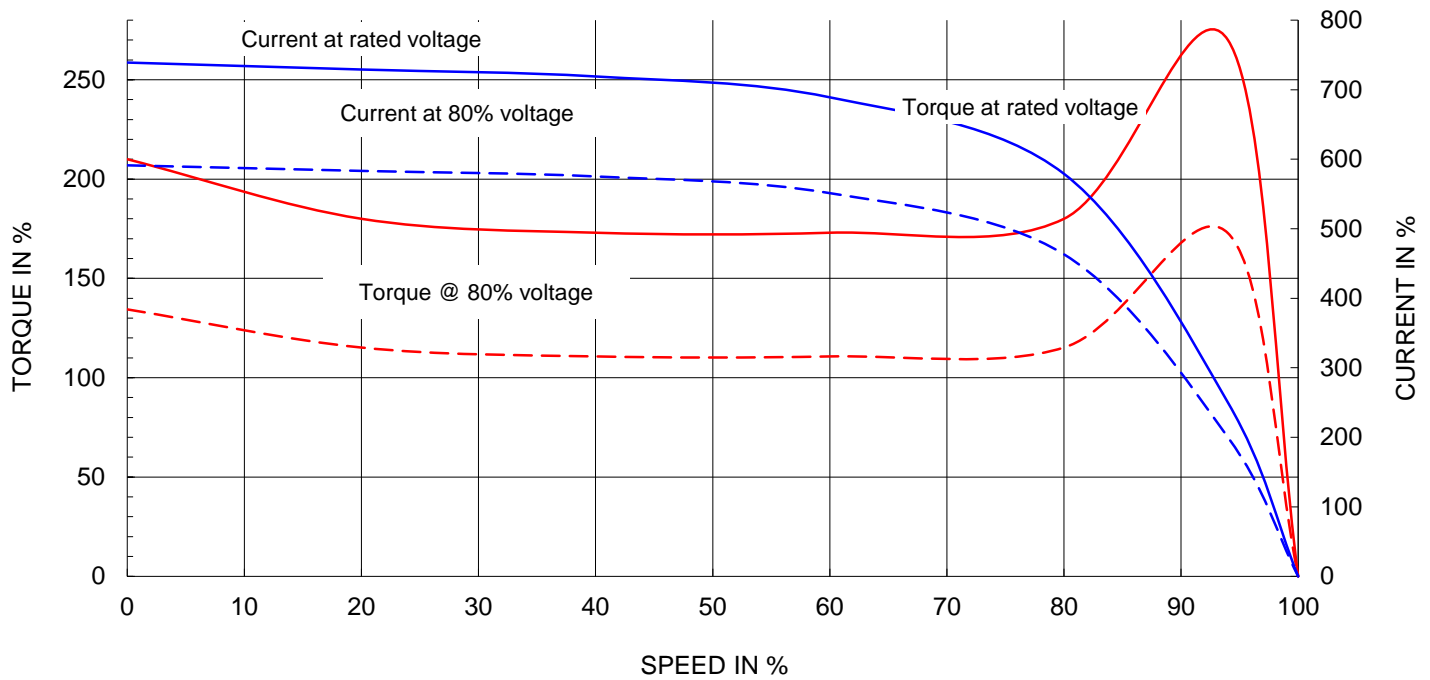
KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.625	4.28	2.021	5.88	2.375	3	3.3	11.73	9.76	11



Motor Performance Curves

Motor type:	EPIC				
Output rating (HP)	60	FL Speed:	1780		
Full Load Torque :	178 lb.ft	LRT (% FLT):	210	460 volt FLA:	68.8
Rotor Wk ² :	15.66 lb-ft ²	BDT (% FLT):	270	230 volt FLA:	137.6

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

