



WORLDWIDE ELECTRIC MOTOR DATA SHEET



EP10-18-215T

HORSEPOWER	10		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	215T		
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	24.9 / 12.45 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460	205 / 102.5 A		
NO LOAD CURRENT	10.54 / 5.27 A		
NEMA CODE LETTER	H		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	91.8%	0.83
	75%	91.7%	0.82
	50%	89.0%	0.76
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	30.0 lb.ft.	210%	265%
SLIP	2.80%		
NEMA DESIGN	B		
MOMENT OF INERTIA	1.97 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	6308ZZ		
ODE BEARING	6306ZZ		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable)		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	175 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-215T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB
E	2F1	2F2	H	BA									
4.25	5.5	7	0.41	3.5	10.51	9	20.5	5.25	0.78	2.36	11.8	12.86	8.63

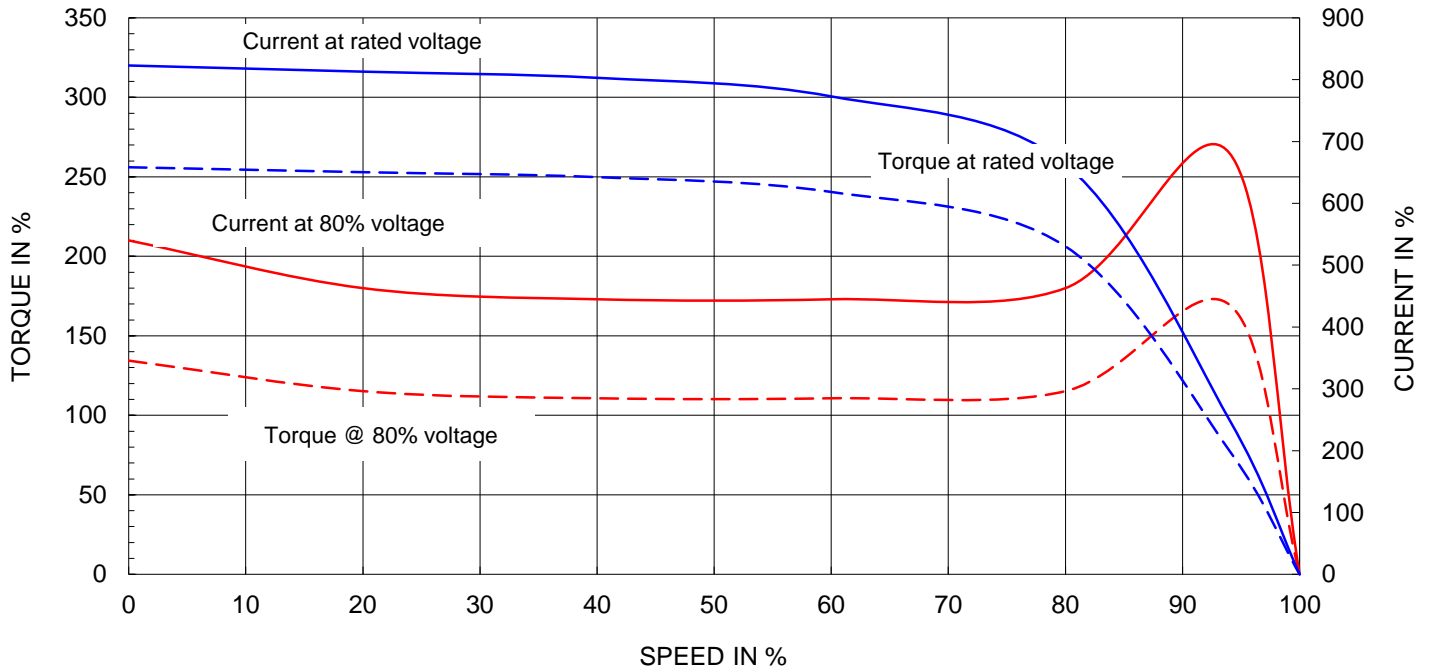
KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
0.312	2.41	1.201	3.38	1.375	1	2.95	5	4.57	7.48



Motor Performance Curves

Motor type:	EPIC				
Output rating (HP)	10	FL Speed:	1750		
Full Load Torque :	30	lb.ft	LRT (% FLT):	210	460 volt FLA: 12.5
Rotor Wk ² :	1.97	lb-ft ²	BDT (% FLT):	265	230 volt FLA: 24.9

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F & CURRENT CURVE

