



WORLDWIDE ELECTRIC MOTOR DATA SHEET

EP30-36-286TSC



HORSEPOWER	30		
RPM / POLES	3600 / 2		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	286TSC		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	3560 RPM		
SERVICE FACTOR	1.25 SF at 40° C / 1.0 SF at 55° C		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	70.42 / 35.21 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460	435 / 217.5 A		
NO LOAD CURRENT	26.8 / 13.4 A		
NEMA CODE LETTER	K		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	91.9%	0.87
	75%	91.7%	0.87
	50%	88.6%	0.85
DUTY CYCLE	S1 / Continuous		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	44.3 lb.ft.	200%	260%
SLIP	1.10%		
NEMA DESIGN	G		
MOMENT OF INERTIA	3.98 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	6311		
ODE BEARING	6309		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable)		
ROTATION	Bi-Directional		
APPROXIMATE WEIGHT	384 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		



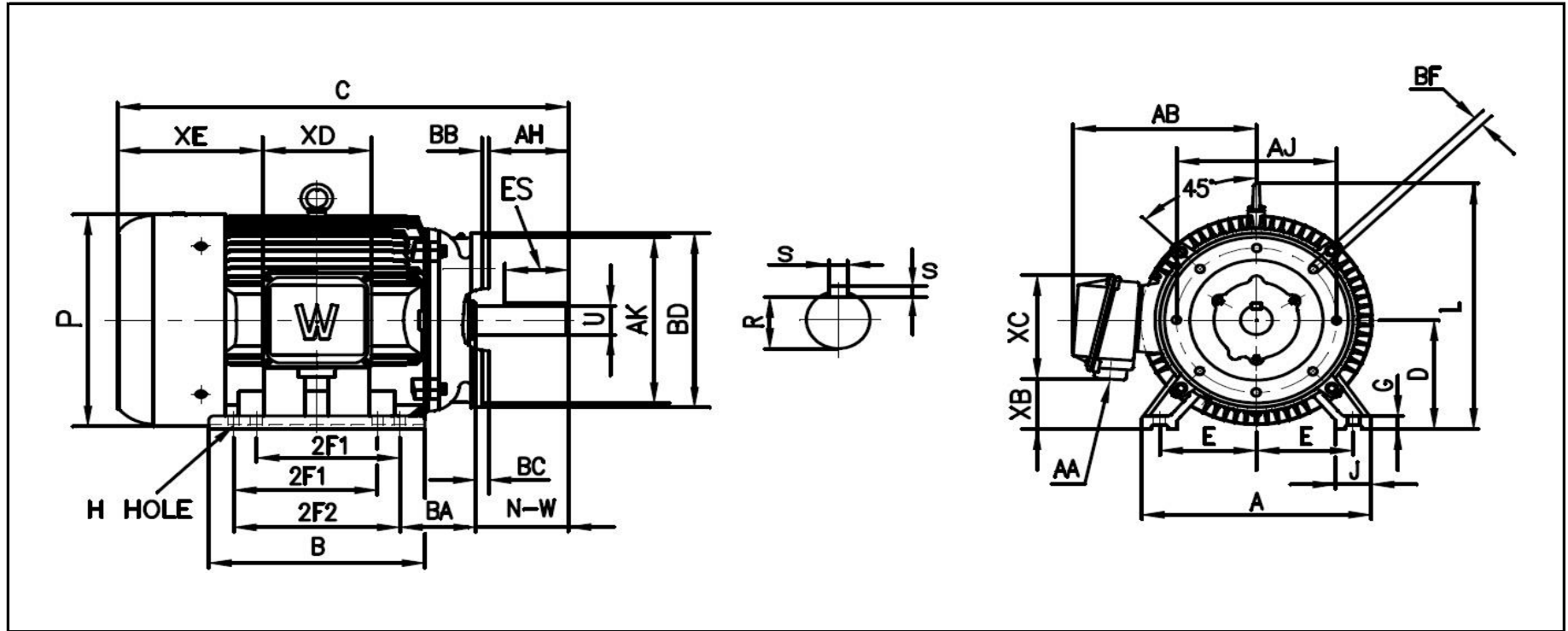
CC067A





WORLDWIDE ELECTRIC MOTOR DRAWING

EP-286TSC



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	L	AB	AH	BC
E	2F1	2F2	H	BA											
5.5	9.5	11	0.53	4.75	13.74	13.7	26.98	7	0.98	2.68	14.65	16.5	13.5	3	0.25

KEY		KEYSET	FLANGE				SHAFT		TERMINAL BOX					
S	ES	R	AK	AJ	BF	BB	BD	N-W	U	AA	XB	XC	XD	XE
0.375	1.91	1.416	10.5	9	1/2-13	0.25	11.03	3.25	1.625	1.5	1.6	10.55	8.98	9