



WORLDWIDE ELECTRIC MOTOR DATA SHEET

WWE500-18-586/7UZ



HORSEPOWER	500
RPM / POLES	1800 / 4
VOLTAGE / PHASE	460 V / 3
FRAME	586/7UZ
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54
FREQUENCY	60 HZ
FULL LOAD SPEED	1789 RPM
SERVICE FACTOR	1.15
INSULATION CLASS	F
FULL LOAD AMPS	539 A
LOCKED ROTOR AMPS (STARTING)	3563 A
NO LOAD CURRENT	114 A
NEMA CODE LETTER	G
EFFICIENCY / POWER FACTOR	<u>LOAD</u> <u>EFF.</u> <u>P.F.</u>
	100% 95.8% 0.90
	75% 95.2% 0.89
	50% 94.4% 0.88
DUTY CYCLE	CONTINUOUS
TORQUE	<u>FULL LOAD</u> <u>LRT</u> <u>BDT</u>
	1467 lb.ft. 228% 320%
SLIP	0.629%
NEMA DESIGN	B
MOMENT OF INERTIA	86.000 lb.ft. ²
SOUND PRESSURE LEVEL	82 dB(A)
MAX. TIME LOCKED ROTOR (Hot)	20 Seconds
MAX. AMBIENT TEMPERATURE	40° C
MAX. ELEVATION	3300 Ft. Above Sea Level
TEMPERATURE RISE (At Full Load)	80° C
DE BEARING	NU326
ODE BEARING	6324
REGREASING INT. - DE BEARING	1,500 Hours (2.14 oz.)
REGREASING INT. - ODE BEARING	1,700 Hours (2.14 oz.)
GREASE TYPE	Mobil Polyrex EM
MOUNTING	F1
ROTATION	Bi-Directional
C-FLANGE	---
D-FLANGE	---
CONNECTION DIAGRAM	460 V - 6 Lead Y/Δ
SHAFT MATERIAL	4140 Carbon Steel
APPROX. WEIGHT	4630 lbs.
INVERTER RATING	2:1 CT / 5:1 VT PWM Type



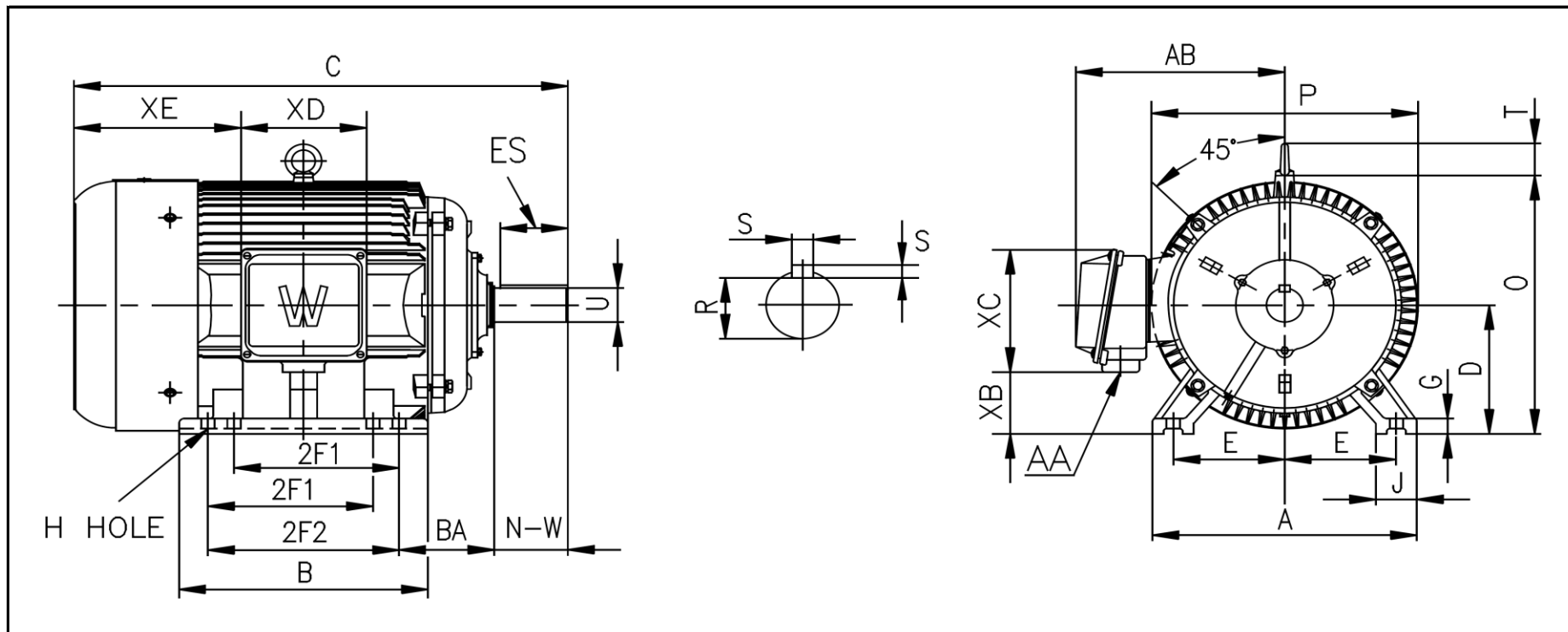
CC006A





WORLDWIDE ELECTRIC MOTOR DRAWING

WWE-586/7UZ



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
11.5	22	25	1.125	10	28	33.85	65.6	14.5	2.05	5	28.15	28.87	4.99	23.9

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XE
1	10	3.817	11.625	4.375	2 x 3	5.3	16.1	13.9	23

REVISED - 08/14/13