



WORLDWIDE ELECTRIC MOTOR DATA SHEET



OW75-12-444T

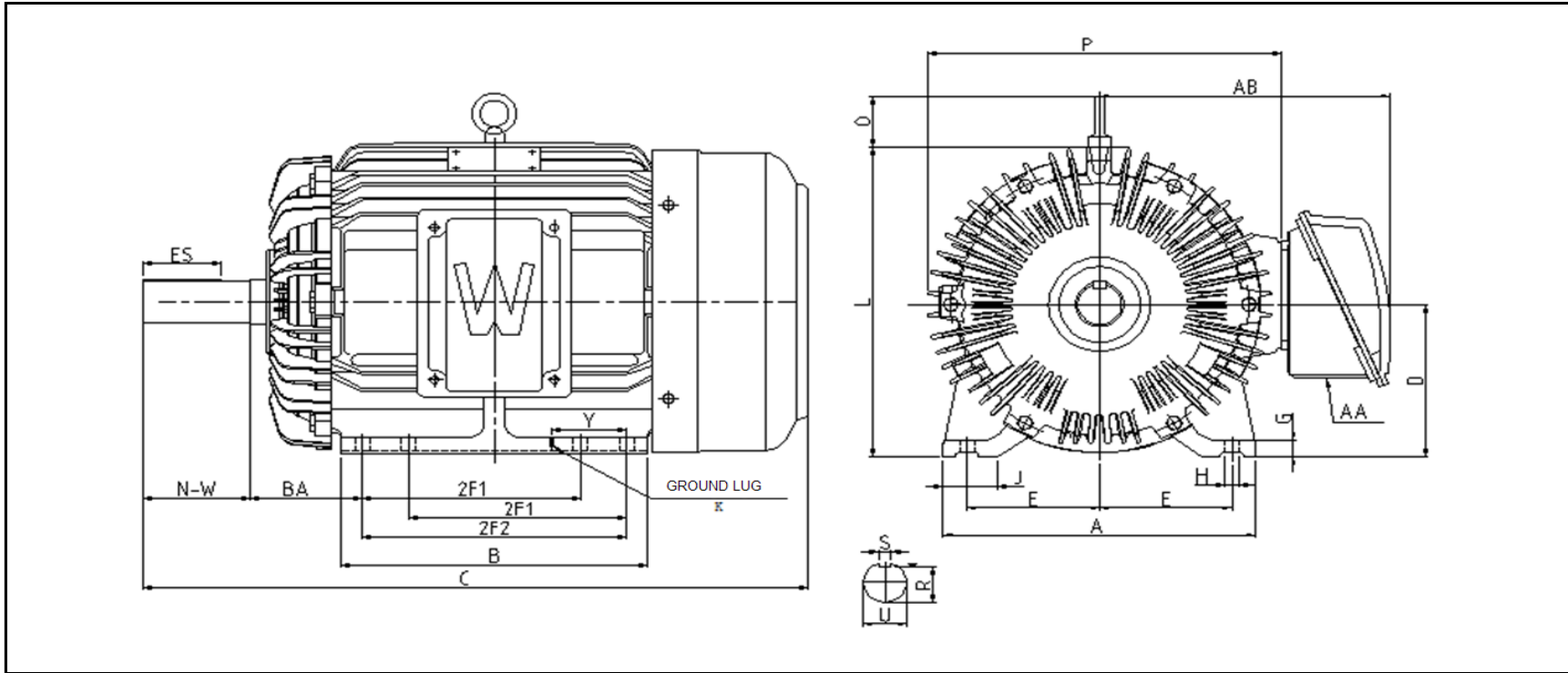
HORSEPOWER	75		
RPM / POLES	1200 / 6		
VOLTAGE / PHASE	230 / 460 / 796 V / 3		
FRAME	444T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP55		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1137 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460 / 796	176.4 / 88.2 / 50.9 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460 / 796	1061 / 530.5 / 306.3 A		
NO LOAD CURRENT	58.4 / 29.2 / 16.9 A		
NEMA CODE LETTER	F		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	93.5%	0.84
	75%	93.1%	0.81
	50%	91.7%	0.74
DUTY CYCLE	CONTINUOUS		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	462 N.m	277%	268%
SLIP	5.24%		
NEMA DESIGN	D		
MOMENT OF INERTIA			
MAX. TIME LOCKED ROTOR (Hot)	20 Seconds		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	59° C		
DE BEARING	NU320		
ODE BEARING	6316		
REGREASING INT. - DE BEARING	Y		
REGREASING INT. - ODE BEARING	Y		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F2 (F1 Suitable)		
ROTATION	Bi-Directional		
SHAFT MATERIAL	1045 Carbon Steel		
CONNECTION DIAGRAM	230 / 460 V - 12 Lead Δ		
APPROXIMATE WEIGHT	1185 lbs. (1247 lbs. Crated)		
INVERTER RATING	10:1 CT / 20:1 VT PWM Type		





WORLDWIDE ELECTRIC MOTOR DRAWING

OW-444T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	K
E	2F1	2F2	H	BA						
9	14.5	16.5	0.81	7.5	22.05	19.29	46.65	11	1.417	M12

KEYSET	KEY		U	N-W	P	AB	AA	L	J	O	Y
	R	ES									
2.88	6.91	0.875	3.375	8.5	22.05	19.095	3	22.83	4.33	2.795	3.15