



**WORLDWIDE ELECTRIC MOTOR DATA SHEET**



**OW20-12-286T**

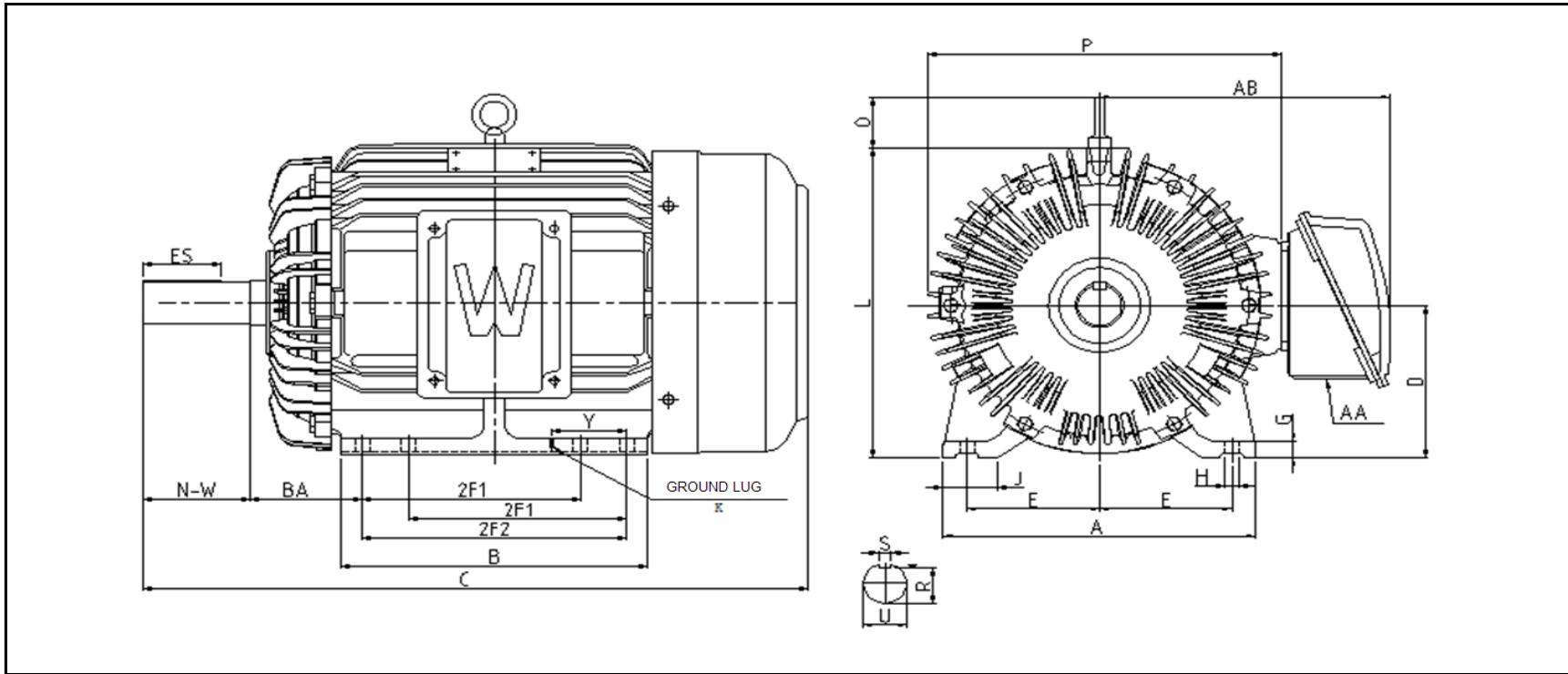
HORSEPOWER	<b>20</b>		
RPM / POLES	<b>1200 / 6</b>		
VOLTAGE / PHASE	<b>230 / 460 / 796 V / 3</b>		
FRAME	<b>286T</b>		
ENCLOSURE / DEGREE OF PROTECTION	<b>TEFC / IP55</b>		
FREQUENCY	<b>60 HZ Suitable For 50 HZ Operation With 1.0 SF</b>		
FULL LOAD SPEED	<b>1131 RPM</b>		
SERVICE FACTOR	<b>1.15</b>		
INSULATION CLASS	<b>F</b>		
FULL LOAD AMPS; 230 / 460 / 796	<b>51 / 25.5 / 14.7 A</b>		
LOCKED ROTOR AMPS (STARTING); 230 / 460 / 796	<b>384 / 192 / 111 A</b>		
NO LOAD CURRENT	<b>19.8 / 9.9 / 5.7 A</b>		
NEMA CODE LETTER	<b>N</b>		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	<b>100%</b>	<b>89.9%</b>	<b>0.82</b>
	<b>75%</b>	<b>90.1%</b>	<b>0.78</b>
	<b>50%</b>	<b>89.0%</b>	<b>0.69</b>
DUTY CYCLE	<b>CONTINUOUS</b>		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	<b>126.6 N.m</b>	<b>336%</b>	<b>282%</b>
SLIP	<b>5.80%</b>		
NEMA DESIGN	<b>D</b>		
MOMENT OF INERTIA			
MAX. TIME LOCKED ROTOR (Hot)	<b>20 Seconds</b>		
MAX. AMBIENT TEMPERATURE	<b>40° C</b>		
MAX. ELEVATION	<b>3300 Ft. Above Sea Level</b>		
TEMPERATURE RISE (At Full Load)	<b>44° C</b>		
DE BEARING	<b>6311</b>		
ODE BEARING	<b>6310</b>		
REGREASING INT. - DE BEARING	<b>8,000 Hours</b>		
REGREASING INT. - ODE BEARING	<b>8,000 Hours</b>		
GREASE TYPE	<b>Mobil Polyrex EM</b>		
MOUNTING	<b>F2 (F1 Suitable)</b>		
ROTATION	<b>Bi-Directional</b>		
SHAFT MATERIAL	<b>1045 Carbon Steel</b>		
CONNECTION DIAGRAM	<b>230 / 460 V - 12 Lead Δ</b>		
APPROXIMATE WEIGHT	<b>451 lbs. (491 lbs. Crated)</b>		
INVERTER RATING	<b>10:1 CT / 20:1 VT PWM Type</b>		





# WORLDWIDE ELECTRIC MOTOR DRAWING

## OW-286T



**DIMENSIONS - INCHES**

MOUNTING					A	B	C	D	G	K
E	2F1	2F2	H	BA						
5.5	9.5	11	0.53	4.75	13.97	13.18	29.1	7	0.7795	M6

KEYSET	KEY		U	N-W	P	AB	AA	L	J	O	Y
	R	ES									
1.5909	3.28	0.5	1.8748	4.62	14.56	12.02	1 1/2	14.02	3.07	2.48	2.756