



# WORLDWIDE ELECTRIC MOTOR DATA SHEET



## WWE30-18-286JM

HORSEPOWER	30		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	286JM		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1775 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	67.2 / 33.6 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460	436 / 218 A		
NO LOAD CURRENT	22.0 / 11.0 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	92.4%	0.86
	75%	92.6%	0.77
	50%	90.4%	0.69
DUTY CYCLE	CONTINUOUS		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	87.4 lb.ft.	170%	270%
SLIP	1.38%		
NEMA DESIGN	B		
MOMENT OF INERTIA	3.76 lb.ft. <sup>2</sup>		
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	6311		
ODE BEARING	6309		
REGREASING INT. - DE BEARING	7,500 Hours (0.64 oz.)		
REGREASING INT. - ODE BEARING	9,000 Hours (0.46 oz.)		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1		
ROTATION	Bi-Directional		
SHAFT MATERIAL	1045 Carbon Steel		
CONNECTION DIAGRAM	230 / 460 V - 12 Lead Δ		
APPROXIMATE WEIGHT	451 Lbs.		

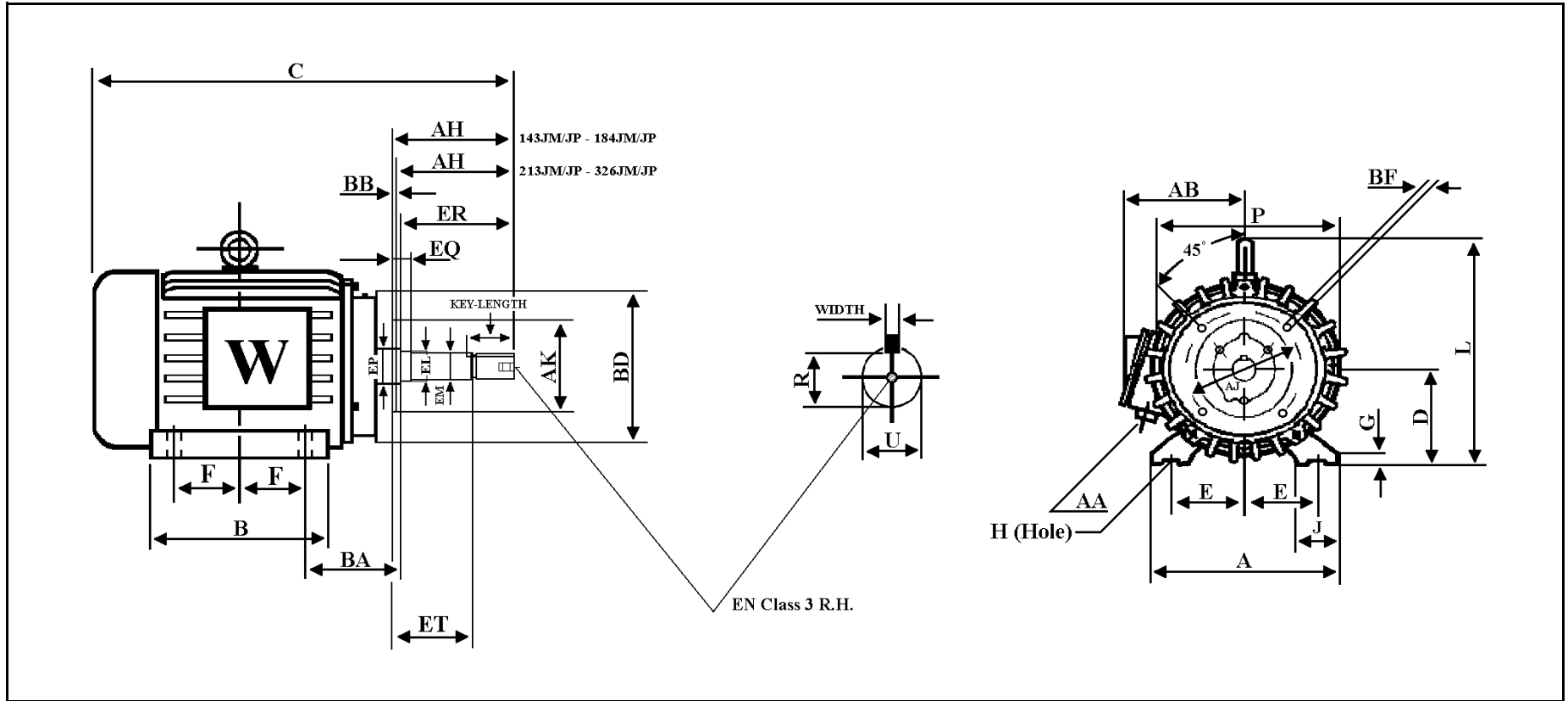


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# WORLDWIDE ELECTRIC MOTOR DRAWING

## WWE-286JM



**DIMENSIONS - INCHES**

MOUNTING					A	B	C	D	G	J	P	L	AH	AB	EQ	AA
E	2F1	2F2	H	BA												
5.5	9.5	11	0.53	4.75	14	14	29	7	0.866	2.76	14.17	16.33	5.25	12	0.625	1.5

KEY		KEYSET		FLANGE					ET	EM	EL	EP	ER	EN
WIDTH	LENGTH	R	U	AK	AJ	BF	BB	BD						
0.252	2.56	1.112	1.2495	12.5	11	5/8-11	0.25	13.2	3	1.375	1.75	2.165	5.53	1/2-13