



WORLDWIDE ELECTRIC MOTOR DATA SHEET



WWE1-18-143JM

HORSEPOWER	1		
RPM / POLES	1800 / 4		
VOLTAGE / PHASE	230 / 460 V / 3		
FRAME	143JM		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1760 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460	3.0 / 1.5 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460	30.0 / 15.0 A		
NO LOAD CURRENT	2.2 / 1.1 A		
NEMA CODE LETTER	N		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	82.5%	0.71
	75%	81.5%	0.68
	50%	81.0%	0.60
DUTY CYCLE	CONTINUOUS		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	3.0 lb.ft.	250%	350%
SLIP	2.22%		
NEMA DESIGN	B		
MOMENT OF INERTIA	0.068 lb.ft. ²		
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	6206ZZ		
ODE BEARING	6205ZZ		
REGREASING INT. - DE BEARING	---		
REGREASING INT. - ODE BEARING	---		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F1 (F2 Suitable)		
ROTATION	Bi-Directional		
SHAFT MATERIAL	1045 Carbon Steel		
CONNECTION DIAGRAM	230 / 460 V - 9 Lead Y		
APPROXIMATE WEIGHT	55 Lbs.		



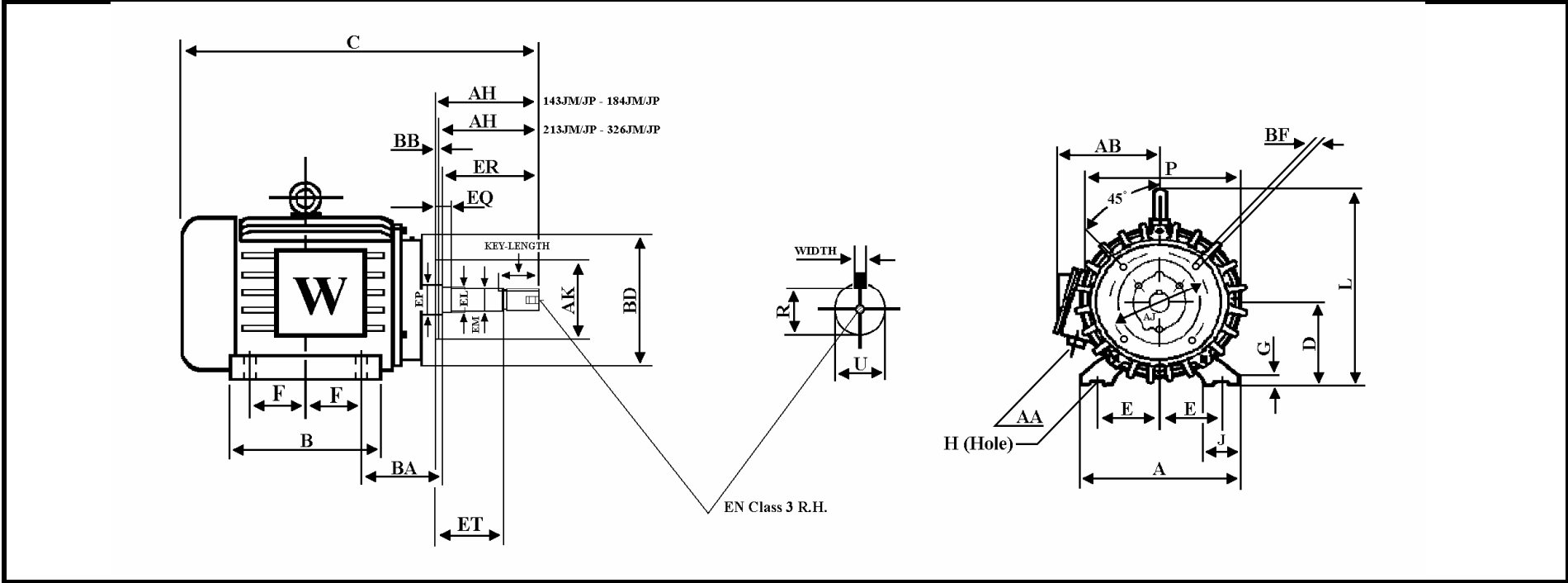
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CERTIFIED

NEMA FRAME 143JM



DIMENSIONS - Inches

MOUNTING				A	B	C	D	G	J	P	L	AH	AB	EQ	AA
E	F	H	BA												
2.75	2	0.34	2.75	7	5	14.92	3.5	0.472	1.45	7.09	7.48	4.25	6.3	0.625	3/4" NPT

KEY		KEYSET	U	FLANGE					ET	EM	EL	EP	ER	EN
WIDTH	LENGTH	R		AK	AJ	BF	BB	BD						
0.188	1.772	0.771	0.875	4.5	5.875	3/8-16	0.15	6.575	2.875	1	1.155	1.156	4.37	3/8-16