



# WORLDWIDE ELECTRIC MOTOR DATA SHEET

## FM34-18-56

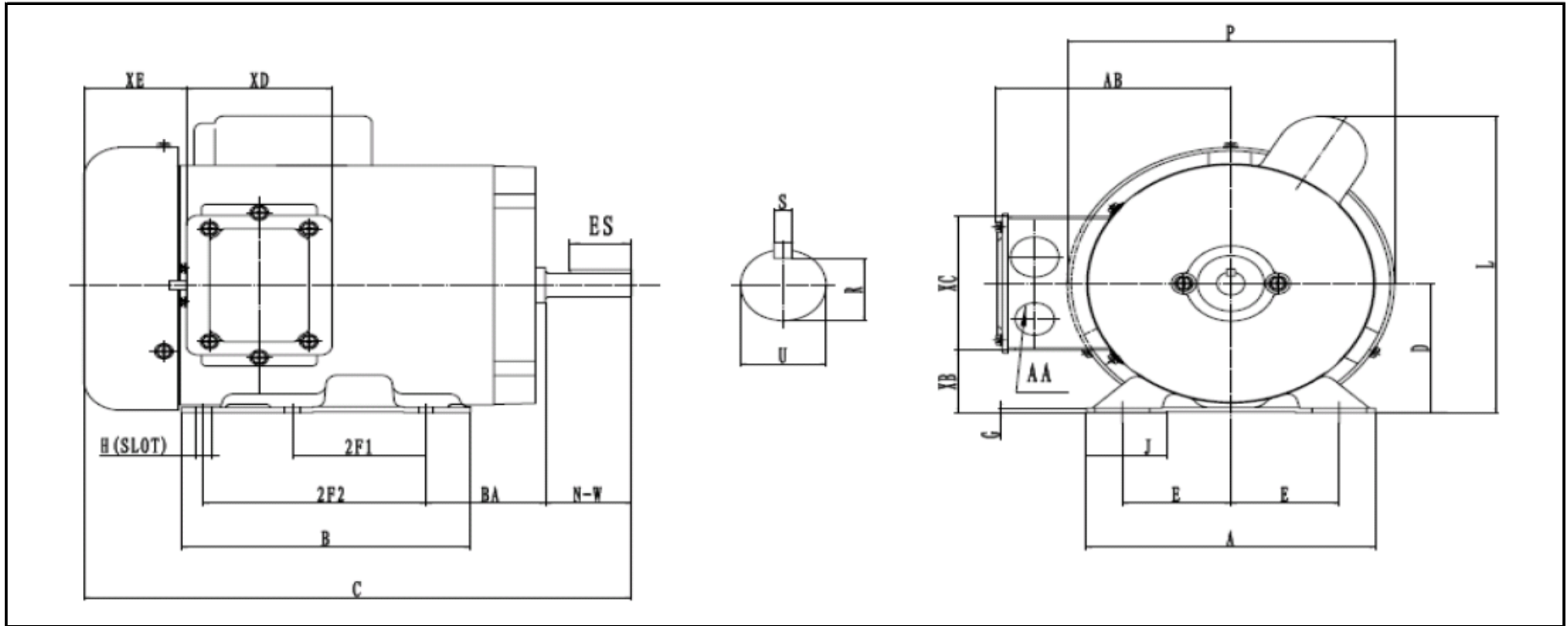


HORSEPOWER	<b>3/4</b>		
RPM / POLES	<b>1800 / 4</b>		
VOLTAGE / PHASE	<b>115/230 V / 1</b>		
FRAME	<b>56</b>		
ENCLOSURE / DEGREE OF PROTECTION	<b>TEFC / IP54</b>		
FREQUENCY	<b>60 HZ</b>		
FULL LOAD SPEED	<b>1725 RPM</b>		
SERVICE FACTOR	<b>1.15</b>		
INSULATION CLASS	<b>F</b>		
FULL LOAD AMPS; 115 / 230 (110 / 220)	<b>10.0 / 5.0 A</b>		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	<b>100%</b>	<b>67.0%</b>	<b>0.71</b>
DUTY CYCLE	<b>Continuous</b>		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	
	<b>2.27 lb.ft.</b>	<b>7.18 lb.ft.</b>	
MAX. AMBIENT TEMPERATURE	<b>40° C</b>		
MAX. ELEVATION	<b>3300 Ft. Above Sea Level</b>		
TEMPERATURE RISE (At Full Load)	<b>80° C</b>		
DE BEARING	<b>6203</b>		
ODE BEARING	<b>6203</b>		
BASE TYPE	<b>Rigid Base</b>		
REGREASING INT. - DE BEARING	---		
REGREASING INT. - ODE BEARING	---		
GREASE TYPE	<b>Mobil Polyrex EM</b>		
MOUNTING	<b>F1</b>		
ROTATION	<b>Bi-Directional</b>		
CONNECTION DIAGRAM	<b>115/230 V - 6 Lead</b>		
APPROXIMATE WEIGHT	<b>29 lbs.</b>		
INVERTER RATING	---		
REPLACEMENT PARTS	<b>Capacitor (Start)</b>	NSC56-3 (500uf/165V)	
	<b>Capacitor (Run)</b>	---	
	<b>Capacitor Cover (Start)</b>	NSCCOVER56	
	<b>Capacitor Cover (Run)</b>	---	
	<b>Endbell (DE)</b>	NDEEBELL56-2	
	<b>Endbell (ODE)</b>	NODEEBELL56	
	<b>Fan</b>	NFAN56	
	<b>Fan Cover</b>	NFCOVER56	
	<b>Junction Box</b>	NJBOX56	
	<b>Overload (Manual)</b>	FM34MO	
	<b>Switch (Centrifugal)</b>	NCSWITCH56-2	
	<b>Switch (Stationary)</b>	NSSWITCH56	



# WORLDWIDE ELECTRIC MOTOR DRAWING

## FM34-18-56



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	L	P	AB	BC
E	2F1	2F2	H	BA										
2.44	3	5	0.34	2.75	6.54	6.54	12.4	3.5	0.12	1.65	8.2	7.3	5.2	---

KEY		KEYSET	FLANGE				SHAFT		TERMINAL BOX				
S	ES	R	AK	AJ	BF	BB	N-W	U	AA	XB	XC	XD	XE
0.188	1.41	0.517	---	---	---	---	1.88	0.625	2-0.88 / 2-1.109	1.65	3.7	3.2	2.15