



WORLDWIDE ELECTRIC MOTOR DATA SHEET

IOW60-12-405T



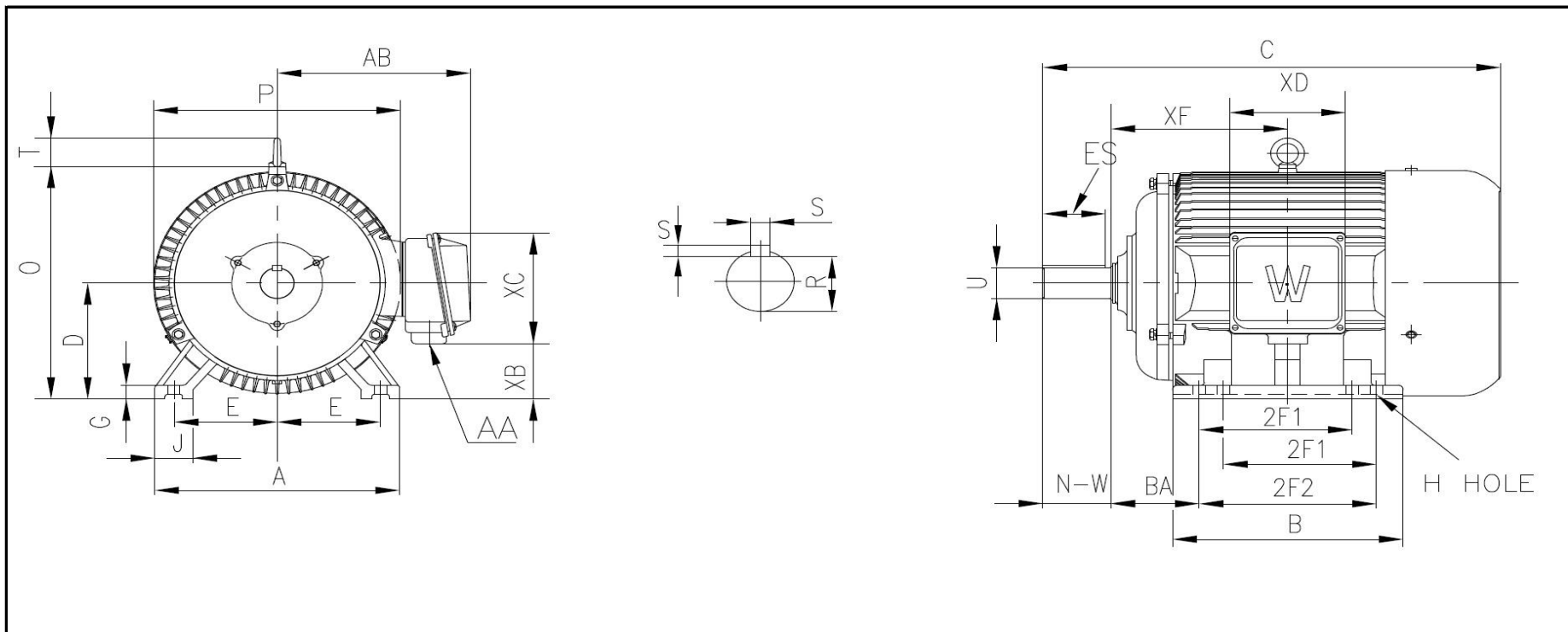
HORSEPOWER	60		
RPM / POLES	1200 / 6		
VOLTAGE / PHASE	230 / 460 / 796 V / 3		
FRAME	405T		
ENCLOSURE / DEGREE OF PROTECTION	TEFC / IP54		
FREQUENCY	60 HZ Suitable For 50 HZ Operation With 1.0 SF		
FULL LOAD SPEED	1130 RPM		
SERVICE FACTOR	1.15		
INSULATION CLASS	F		
FULL LOAD AMPS; 230 / 460 / 796	147 / 73.4 / 42.4 A		
LOCKED ROTOR AMPS (STARTING); 230 / 460 / 796	870 / 435 / 251 A		
NO LOAD CURRENT	40 / 20 / 11.5 A		
NEMA CODE LETTER	G		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	100%	88.0%	0.87
	75%	89.2%	0.82
	50%	89.3%	0.72
DUTY CYCLE	CONTINUOUS		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	279 lb.ft.	340%	330%
SLIP	6.60%		
NEMA DESIGN	D		
MOMENT OF INERTIA	50.1 lb.ft. ²		
MAX. TIME LOCKED ROTOR (Hot)	6 Seconds		
MAX. AMBIENT TEMPERATURE	40° C		
MAX. ELEVATION	3300 Ft. Above Sea Level		
TEMPERATURE RISE (At Full Load)	80° C		
DE BEARING	NU316		
ODE BEARING	6313C3		
REGREASING INT. - DE BEARING	4,400 Hours		
REGREASING INT. - ODE BEARING	12,200 Hours		
GREASE TYPE	Mobil Polyrex EM		
MOUNTING	F2		
ROTATION	Bi-Directional		
SHAFT MATERIAL	1045 Carbon Steel		
CONNECTION DIAGRAM	230 / 460 / 796 V - 12 Lead Δ		
APPROXIMATE WEIGHT	1200 lbs.		
INVERTER RATING	10:1 CT / 20:1 VT PWM Type		





WORLDWIDE ELECTRIC MOTOR DRAWING

IOW-405T



DIMENSIONS - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F2	H	BA										
8	12.25	13.75	0.81	6.62	20	17.8	38.35	10	1.18	3.15	21.42	21.02	2.83	18.31

KEY		KEYSET	SHAFT		TERMINAL BOX				
S	ES	R	N-W	U	AA	XB	XC	XD	XF
0.75	5.65	2.45	7.25	2.875	3	4.57	11.73	9.76	13.495

REVISED - 02/01/16