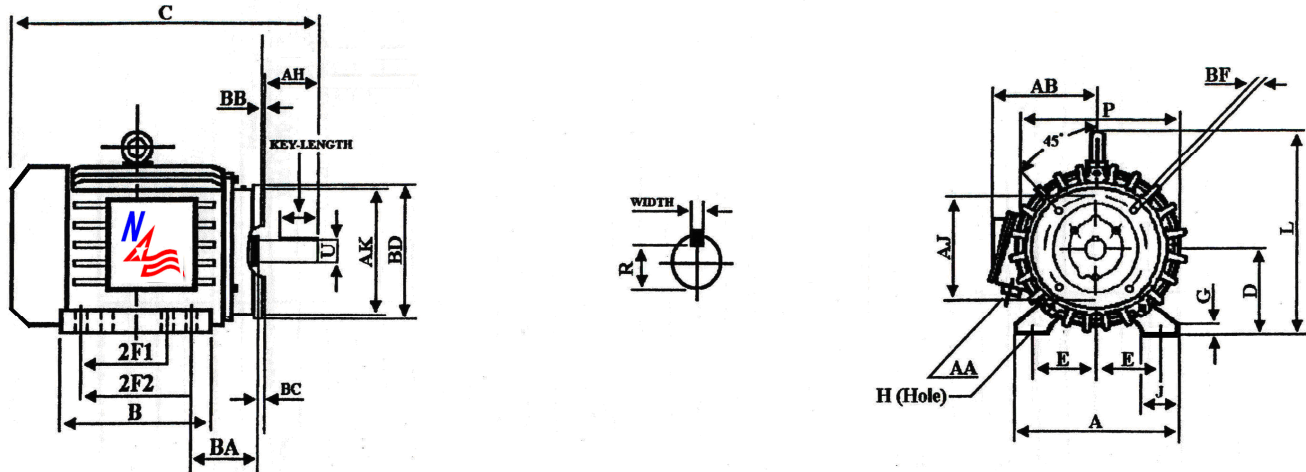


XP12100C

C-Face General Purpose Explosion Proof Motors

Class I, Division I, Groups C & D and Class II, Division I, Groups E, F and G - Operating Temperature Code: T3C



DIMENSIONS – INCHES

MOUNTING					A	B	C	D	G	J	P	L	BC	AH	AB	AA
E	2F1	2F2	H	BA												
9	14.5	16.5	0.8	7.5	22	20.5	45.5	11	1.4	3.4	24	27	+0.25	8.25	19.7	3
KEY			KEYSET R		FLANGE						SHAFT EXTENSION					
WIDTH	LENGTH				AK	AJ	BF	BB	BD	N-W		U				
0.875	6.91				2.88	16	14	5/8-11	0.25	18	8.5		3.375			

PERFORMANCE DATA

Three Phase – 60Hz - 208-230/460V – NEMA Design B - Max. Ambient: 40° C

HP	Speed	Frame	NEMA Code	Efficiency (%)			Power Factor			Torque (ft-lb)		
				100%	75%	50%	100%	75%	50%	FLT	BDT	LRT
100	1185	444TC	G	94.1	95.0	94.7	0.896	0.873	0.819	443.21	908	576
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
111.7	725	6318	6314	F	TEFC	1.15	1745					



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50Hz AND 60Hz DATA FOR 3 PHASE AC INDUCTION MOTOR AS IT APPEARS ON THE NAMEPLATE.

XP12100C

CAT. NO: XP12100C		FRAME: 444TC		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6318				OPP/END BRG: 6314			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 1745LBS	
USABLE ON 208V 60HZ AT: 247.0 MAX. AMPS						SER:	
DIVISION I, CLASS I, GROUPS C & D CLASS II, GROUPS E, F & G						OP TEMP CODE: T3C	
60 HERTZ DATA	HP: 100 RPM: 1185			HP: 100 RPM: 985			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 223.4/111.7			F. L. AMPS: 276.8/138.4			
	S.F. AMPS: 259.2/129.6			S.F. AMPS: 276.8/138.4			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 94.1%			NEMA NOM. EFF: 93.0%			
	NOM. P. F.: 0.896			NOM. P. F.: 0.885			
	NEMA MIN. EFF.: 93.0%			NEMA MIN. EFF.: 91.7%			
	MAX. KVAR: 22.0			MAX. KVAR: 20.1			

Note: F.L. = Full Load P.F. = Power Factor S.F. = Service Factor



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