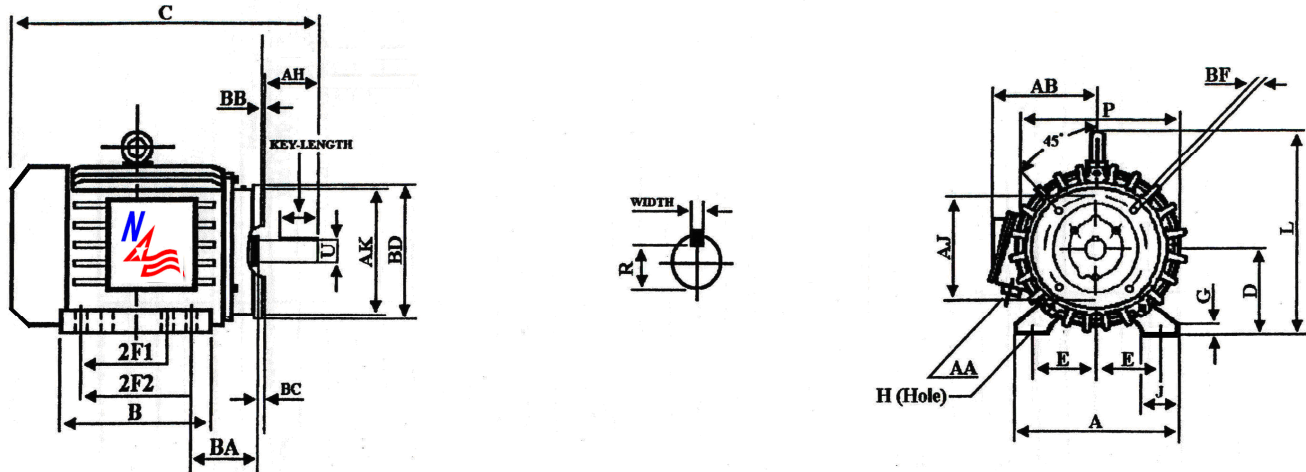


# XP1201C

## 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												
2.75	4	5	0.3	2.75	7	6.9	14.6	3.5	0.5	1.4	7.5	9.2	+0.12	2.12	6.9	0.75
KEY			KEYSET R	FLANGE				SHAFT EXTENSION								
WIDTH	LENGTH			AK	AJ	BF	BB	BD	N-W	U						
0.188	1.41		0.771	AK	AJ	BF	BB	BD	N-W	U						

### 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
1	1166	145TC	K	80.0	79.7	76.2	0.620	0.539	0.411	4.5	12.3	7.8
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
1.9	15	6205-ZZ	6205-ZZ	F	TEFC	1.15	71					



North American Electric, Inc. 350 Vaiden Drive, Hernando, MS 38632

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

## **XP1201C**

<b>CAT. NO: XP1201C</b>		<b>FRAME: 145TC</b>		<b>ENCL: TEFC</b>		<b>PHASE: 3</b>	
<b>SHAFT END BRG: 6205-ZZ</b>				<b>OPP/END BRG: 6205-ZZ</b>			
<b>MAX. AMB: 40° C</b>		<b>INS CLASS: F</b>		<b>RATING: CONT.</b>		<b>MOTOR WEIGHT: 71LBS</b>	
<b>USABLE ON 208V 60HZ AT: 4.2 MAX. AMPS</b>						<b>SER:</b>	
<b>DIVISION I, CLASS I, GROUPS C &amp; D CLASS II, GROUPS E, F &amp; G</b>						<b>OP TEMP CODE: T3C</b>	
<b>60 HERTZ DATA</b>	<b>HP: 1 RPM: 1166</b>			<b>HP: 1 RPM: 945</b>			<b>50 HERTZ DATA</b>
	<b>VOLTAGE: 230/460V</b>			<b>VOLTAGE: 190/380V</b>			
	<b>F. L. AMPS: 3.8/1.9</b>			<b>F. L. AMPS: 3.06/1.53</b>			
	<b>S.F. AMPS: 4.4/2.2</b>			<b>S.F. AMPS: 3.06/1.53</b>			
	<b>S.F. 1.15</b>	<b>DESIGN: B</b>	<b>CODE: K</b>	<b>S.F. 1.0</b>	<b>DESIGN:</b>	<b>CODE: S</b>	
	<b>NEMA NOM. EFF: 80.0%</b>			<b>NEMA NOM. EFF: 74.0%</b>			
	<b>NOM. P. F.: 0.620</b>			<b>NOM. P. F.: 0.738</b>			
	<b>NEMA MIN. EFF.: 77.0%</b>			<b>NEMA MIN. EFF.: 70.0%</b>			
	<b>MAX. KVAR: 1.34</b>			<b>MAX. KVAR: 0.68</b>			

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



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