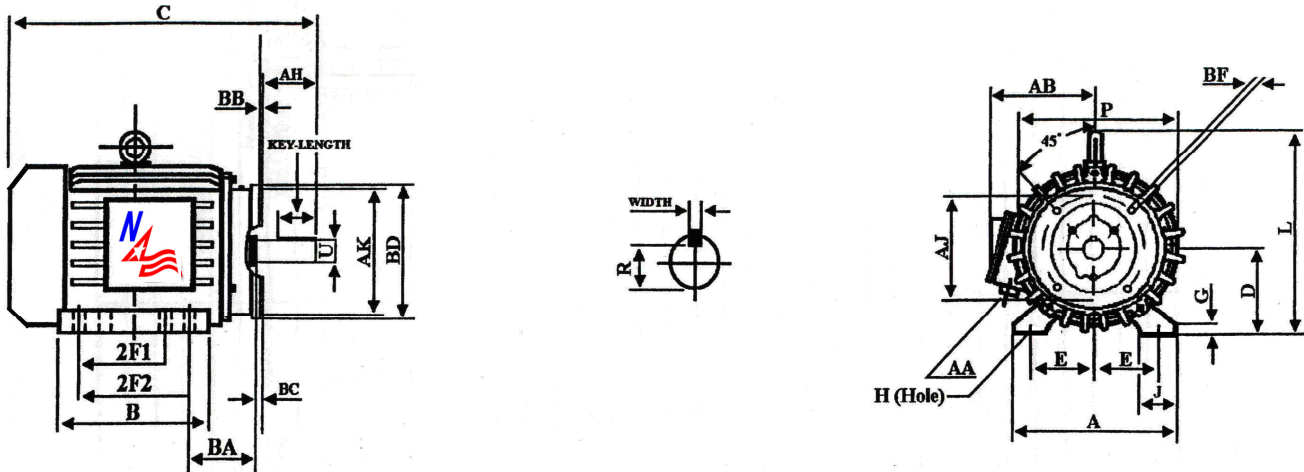


# XP1805C

## 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												
3.75	4.5	5.5	0.4	3.5	9	8	17.1	4.5	0.7	1.8	9.8	10.6	+0.12	2.62	8.3	0.75
KEY			KEYSET R	FLANGE				SHAFT EXTENSION								
WIDTH	LENGTH			AK	AJ	BF	BB	BD	N-W	U						
0.25	1.78		0.986	8.5	7.3	1/2-13	0.25	9	2.75	1.125						

### 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
5	1760	184TC	G	87.5	89.1	88.7	0.870	0.815	0.712	14.92	34.5	28.5
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
6.1	46	6306-ZZ	6306-ZZ	F	TEFC	1.15	143					



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.**

## **XP1805C**

<b>CAT. NO: XP1805C</b>		<b>FRAME: 184TC</b>		<b>ENCL: TEFC</b>		<b>PHASE: 3</b>	
<b>SHAFT END BRG: 6306-ZZ</b>				<b>OPP/END BRG: 6306-ZZ</b>			
<b>MAX. AMB: 40° C</b>		<b>INS CLASS: F</b>		<b>RATING: CONT.</b>		<b>MOTOR WEIGHT: 143LBS</b>	
<b>USABLE ON 208V 60HZ AT: 13.5 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: 5 RPM: 1760</b>			<b>HP: 5 RPM: 1440</b>			<b>50 HERTZ DATA</b>
	<b>VOLTAGE: 230/460V</b>			<b>VOLTAGE: 190/380V</b>			
	<b>F. L. AMPS: 12.2/6.1</b>			<b>F. L. AMPS: 14.9/7.45</b>			
	<b>S.F. AMPS: 14.0/7.0</b>			<b>S.F. AMPS: 14.9/7.45</b>			
	<b>S.F. 1.15</b>	<b>DESIGN: B</b>	<b>CODE: G</b>	<b>S.F. 1.0</b>	<b>DESIGN:</b>	<b>CODE: H</b>	
	<b>NEMA NOM. EFF: 87.5%</b>			<b>NEMA NOM. EFF: 85.5%</b>			
	<b>NOM. P. F.: 0.870</b>			<b>NOM. P. F.: 0.883</b>			
	<b>NEMA MIN. EFF.: 85.5%</b>			<b>NEMA MIN. EFF.: 82.5%</b>			
	<b>MAX. KVAR: 1.96</b>			<b>MAX. KVAR: 1.6</b>			

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



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