

# XP1803

## General Purpose Explosion Proof Motor

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



### DIMENSIONS – INCHES

A	B	C	D	E	2F1	2F2	G	H	J	O
9	8	17.1	4.5	3.75	4.5	5.5	0.7	0.4	1.8	9.3
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
9.8	0.996	0.25	1.6	1.125	1.78	0.75	8.3	2.75	2.75	F1

### 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
3	1768	182T	K	87.5	87.9	86.8	0.830	0.764	0.643	8.91	23.1	19.9
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
3.8	32	6306-ZZ	6306-ZZ	F	TEFC	1.15	121					



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.**

## **XP1803**

<b>CAT. NO: XP1803</b>		<b>FRAME: 182T</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: 121LBS</b>	
<b>USABLE ON 208V 60HZ AT: 8.4 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: 3 RPM: 1768</b>			<b>HP: 3 RPM: 1450</b>			<b>50 HERTZ DATA</b>
	<b>VOLTAGE: 230/460V</b>			<b>VOLTAGE: 190/380V</b>			
	<b>F. L. AMPS: 7.6/3.8</b>			<b>F. L. AMPS: 9.0/4.5</b>			
	<b>S.F. AMPS: 8.7/4.4</b>			<b>S.F. AMPS: 9.0/4.5</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: L</b>	
	<b>NEMA NOM. EFF: 87.5%</b>			<b>NEMA NOM. EFF: 85.5%</b>			
	<b>NOM. P. F.: 0.83</b>			<b>NOM. P. F.: 0.87</b>			
	<b>NEMA MIN. EFF.: 85.5%</b>			<b>NEMA MIN. EFF.: 82.5%</b>			
	<b>MAX. KVAR: 1.48</b>			<b>MAX. KVAR: 1.19</b>			

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



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