

# XP1225

## 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
16	15.5	33.3	8	6.25	10.5	12	1.1	0.7	2.8	17.5
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
18	1.854	0.5	2.5	2.125	3.91	2	15.6	5.25	5.25	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
25	1185	324T	G	91.7	92.7	92.2	0.836	0.826	0.746	110.8	229	156
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
30.3	182	6312	6312	F	TEFC	1.15	664					



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.**

## **XP1225**

<b>CAT. NO: XP1225</b>		<b>FRAME: 324T</b>		<b>ENCL: TEFC</b>		<b>PHASE: 3</b>	
<b>SHAFT END BRG: 6312</b>				<b>OPP/END BRG: 6312</b>			
<b>MAX. AMB: 40° C</b>		<b>INS CLASS: F</b>		<b>RATING: CONT.</b>		<b>MOTOR WEIGHT: 664LBS</b>	
<b>USABLE ON 208V 60HZ AT: 79.6 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: 25 RPM: 1185</b>			<b>HP: 25 RPM: 980</b>			<b>50 HERTZ DATA</b>
	<b>VOLTAGE: 230/460V</b>			<b>VOLTAGE: 190/380V</b>			
	<b>F. L. AMPS: 60.6/30.3</b>			<b>F. L. AMPS: 72.2/36.1</b>			
	<b>S.F. AMPS: 70.0/35.0</b>			<b>S.F. AMPS: 72.2/36.1</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: 91.7%</b>			<b>NEMA NOM. EFF: 90.2%</b>			
	<b>NOM. P. F.: 0.836</b>			<b>NOM. P. F.: 0.863</b>			
	<b>NEMA MIN. EFF.: 90.2%</b>			<b>NEMA MIN. EFF.: 88.5%</b>			
	<b>MAX. KVAR: 8.74</b>			<b>MAX. KVAR: 6.48</b>			

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



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