

## XP3612

### 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
7	6.9	14.6	3.5	2.75	4	5	0.5	0.3	1.4	7.6
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
7.5	0.771	0.188	1.6	0.875	1.41	0.75	6.9	2.25	2.25	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
1.5	3515	143T	K	82.5	84.7	83.6	0.840	0.798	0.681	2.24	5.8	4.1
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
2.0	20	6205-ZZ	6205-ZZ	F	TEFC	1.15	71					



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

Toll Free: 1-800-884-0405 Phone: 662-429-8049 Fax: 662-429-8546

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

## **XP3612**

CAT. NO: XP3612		FRAME: 143T		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6205-ZZ				OPP/END BRG: 6205-ZZ			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 71LBS	
USABLE ON 208V 60HZ AT: 4.4 MAX. AMPS						SER:	
DIVISION I, CLASS I, GROUPS C & D CLASS II, GROUPS E, F & G						OP TEMP CODE: T3C	
60 HERTZ DATA	HP: 1.5 RPM: 3515			HP: 1.5 RPM: 2885			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 4.2/2.0			F. L. AMPS: 4.6/2.3			
	S.F. AMPS: 4.6/2.3			S.F. AMPS: 4.6/2.3			
	S.F. 1.15	DESIGN: B	CODE: K	S.F. 1.0	DESIGN:	CODE: N	
	NEMA NOM. EFF: 82.5%			NEMA NOM. EFF: 81.5%			
	NOM. P. F.: 0.84			NOM. P. F.: 0.89			
	NEMA MIN. EFF.: 80.0%			NEMA MIN. EFF.: 78.5%			
	MAX. KVAR: 0.82			MAX. KVAR: 0.59			

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



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