

XP1810

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
10.5	8.7	20.3	5.25	4.25	5.5	7	0.8	0.4	2.4	12.0
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
11.4	1.201	0.312	2	1.375	2.41	1	10	3.5	3.38	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
10	1765	215T	H	89.5	90.8	90.2	0.822	0.826	0.746	29.76	61.7	91.2
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
12.8	81	6308-ZZ	6308-ZZ	F	TEFC	1.15	273					



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.

XP1810

CAT. NO: XP1810		FRAME: 215T		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6308-ZZ				OPP/END BRG: 6308-ZZ			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 273LBS	
USABLE ON 208V 60HZ AT: 28.3 MAX. AMPS						SER:	
DIVISION I, CLASS I, GROUPS C & D CLASS II, GROUPS E, F & G						OP TEMP CODE: T3C	
60 HERTZ DATA	HP: 10 RPM: 1765			HP: 10 RPM: 1450			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 25.6/12.8			F. L. AMPS: 29.8/14.9			
	S.F. AMPS: 29.2/14.6			S.F. AMPS: 29.8/14.9			
	S.F. 1.15	DESIGN: B	CODE: H	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 89.5%			NEMA NOM. EFF: 88.5%			
	NOM. P. F.: 0.822			NOM. P. F.: 0.864			
	NEMA MIN. EFF.: 87.5%			NEMA MIN. EFF.: 86.5%			
	MAX. KVAR: 4.04			MAX. KVAR: 2.73			

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



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