

XP18250

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
21.3	30.6	55.5	11	9	20.0	25.0	1.38	0.81	3.75	23.5
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
24.0	2.88	0.875	4.25	3.375	6.93	3	21.3	7.5	8.50	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
250	1785	449T	G	95.0	95.8	95.4	0.894	0.906	0.865	719.95	1287	605
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
273.4	1825.0	6318	6318	F	TEFC	1.15	2560					



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.

XP18250

CAT. NO: XP18250		FRAME: 449T		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6318				OPP/END BRG: 6318			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 2560LBS	
USABLE ON 208V 60HZ AT: MAX. AMPS						SER:	
DIVISION I, CLASS I, GROUPS C & D CLASS II, GROUPS E, F & G						OP TEMP CODE: T3C	
60 HERTZ DATA	HP: 250 RPM: 1785			HP: 250 RPM: 1480			50 HERTZ DATA
	VOLTAGE: 460V			VOLTAGE: 380V			
	F. L. AMPS: 273.4			F. L. AMPS: 330.2			
	S.F. AMPS: 314.4			S.F. AMPS: 330.2			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 95.0%			NEMA NOM. EFF: 94.1%			
	NOM. P. F.: 0.894			NOM. P. F.: 0.905			
	NEMA MIN. EFF.: 94.1%			NEMA MIN. EFF.: 93.0%			
	MAX. KVAR: 51.3			MAX. KVAR: 36.1			

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



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