

XP1830

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
14	14	29.6	7	11	9.5	11	0.9	0.5	2.8	15.2
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
15.8	1.591	0.5	2.4	1.875	3.28	1.5	14.3	4.75	4.62	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
30	1775	286T	G	92.4	93.9	93.9	0.903	0.895	0.836	88.7	183	138
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
33.1	217	6310	6310	F	TEFC	1.15	571					



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.

XP1830

CAT. NO: XP1830		FRAME: 286T		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6310				OPP/END BRG: 6310			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 571LBS	
USABLE ON 208V 60HZ AT: 73.2 MAX. AMPS						SER:	
DIVISION I, CASS I, GROUPS C & D CLASS II, GROUPS E, F & G						OP TEMP CODE: T3C	
60 HERTZ DATA	HP: 30 RPM: 1775			HP: 30 RPM: 1460			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 66.2/33.1			F. L. AMPS: 81.6/40.8			
	S.F. AMPS: 76.4/38.2			S.F. AMPS: 81.6/40.8			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 92.4%			NEMA NOM. EFF: 91.0%			
	NOM. P. F.: 0.903			NOM. P. F.: 0.900			
	NEMA MIN. EFF.: 91.0%			NEMA MIN. EFF.: 89.5%			
	MAX. KVAR: 6.86			MAX. KVAR: 5.49			

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



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