

XP1812

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	5.5	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	1760	145T	L	84.0	84.2	82.1	0.75	0.661	0.521	4.48	12.6	11.5
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
2.18	20	6205-ZZ	6205-ZZ	F	TEFC	1.15	72					



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.

XP1812

CAT. NO: XP1812		FRAME: 145T		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: 72LBS	
USABLE ON 208V 60HZ AT: 4.82 MAX. AMPS						SER:	
DIVISION I, CASS I, GROUPS C & D CLASS II, GROUPS E, F & G						OP TEMP CODE: T3C	
60 HERTZ DATA	HP: 1.5 RPM: 1760			HP: 1.5 RPM: 1435			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 4.36/2.18			F. L. AMPS: 4.98/2.49			
	S.F. AMPS: 5.0/2.5			S.F. AMPS: 4.98/2.49			
	S.F. 1.15	DESIGN: B	CODE: L	S.F. 1.0	DESIGN:	CODE: N	
	NEMA NOM. EFF: 84.0%			NEMA NOM. EFF: 88.5%			
	NOM. P. F.: 0.75			NOM. P. F.: 0.823			
	NEMA MIN. EFF.: 81.5%			NEMA MIN. EFF.: 86.5%			
	MAX. KVAR: 1.33			MAX. KVAR: 0.90			

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



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