

XP18100

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
20	17.8	38.6	10	16	12.25	13.75	1.2	0.8	3.2	21.3
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
21.6	2.45	0.75	2.9	2.875	5.65	3	18.7	6.62	7.25	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
100	1785	405T	G	94.5	94.1	93.9	0.919	0.921	0.885	294.23	606	385
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
108.4	725	6316	6316	F	TEFC	1.15	1426					



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

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

www.naemotors.com



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

XP18100

CAT. NO: XP18100		FRAME: 405T		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6316				OPP/END BRG: 6316			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 1426LBS	
USABLE ON 208V 60HZ AT: 239.7 MAX. AMPS						SER:	
DIVISION I, CASS I, GROUPS C & D CLASS II, GROUPS E, F & G						OP TEMP CODE: T3C	
60 HERTZ DATA	HP: 100 RPM: 1785			HP: 100 RPM: 1480			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 216.8/108.4			F. L. AMPS: 267.2/133.6			
	S.F. AMPS: 249.4/124.7			S.F. AMPS: 267.2/133.6			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 94.5%			NEMA NOM. EFF: 93.6%			
	NOM. P. F.: 0.919			NOM. P. F.: 0.911			
	NEMA MIN. EFF.: 93.6%			NEMA MIN. EFF.: 92.4%			
	MAX. KVAR: 21.3			MAX. KVAR: 14.6			

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



North American Electric, Inc. 350 Vaiden Drive, Hernando, MS 38632
Toll Free: 1-800-884-0405 Phone: 662-429-8049 Fax: 662-429-8546
www.naemotors.com