

SD18100

SEVERE DUTY – INVERTER RATED (10:1 VT; 5:1 CT)

Energy Efficient – Three Phase – TEFC - AC Motor



DIMENSIONS – INCHES

A	B	C	D	E	2F1	2F2	G	H	J	O
20	17.1	40.0	10	8	12.25	13.75	1.18	0.81	3.15	20.2
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
19.2	2.45	0.75	2.91	2.875	5.65	3	18.5	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	94.6	95.3	95.1	0.903	0.905	0.853	294.23	251	200
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
110.8	646.4	6316	6316	F	TEFC	1.15	1309					



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.

SEVERE DUTY – INVERTER RATED (10:1 VT; 5:1 CT)

CAT. NO: H18100		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: 1309LBS	
USABLE ON 208V 60HZ AT: 245.0 MAX. AMPS						SER:	
60 HERTZ DATA	HP: 100 RPM: 1785			HP: 100 RPM: 1480			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 221.6/110.8			F. L. AMPS: 267.2/133.6			
	S.F. AMPS: 255.4/127.7			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: 94.6%			NEMA NOM. EFF: 93.6%			
	NOM. P. F.: 0.903			NOM. P. F.: 0.911			
	NEMA MIN. EFF.: 93.6%			NEMA MIN. EFF.: 92.4%			
	MAX. KVAR: 22.0			MAX. KVAR: 14.6			

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



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