

# SD18125C

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

Energy Efficient – Three Phase – TEFC - AC Motor



### DIMENSIONS – INCHES

MOUNTING					A	B	C	D	G	J	P	L	BC	AH	AB	AA		
E	2F1	2F2	H	BA														
9	14.5	16.5	0.81	7.5	22	22.13	47.3	11	1.38	3.35	21.6	26.05	+0.25	8.25	19.5	3		
KEY			KEYSET R		FLANGE						SHAFT EXTENSION							
WIDTH		LENGTH		AK		AJ		BF		BB		BD		N-W		U		
0.875		6.91		2.88		16		14		5/8-11		0.25		18		8.5		3.375

### PERFORMANCE DATA

Three Phase – 60Hz - 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%
125	1780	444TC	G	94.6	95.3	95.1	0.899	0.897	0.854	368.82	238	211
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
133.0	748.1	6318	6318	F	TEFC	1.15	1658					



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.northamericanelectric-inc.com](http://www.northamericanelectric-inc.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: H18125C		FRAME: 444TC		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6318				OPP/END BRG: 6318			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 1658LBS	
USABLE ON 208V 60HZ AT:    MAX. AMPS						SER:	
60 HERTZ DATA	HP: 125    RPM: 1780			HP: 125    RPM: 1480			50 HERTZ DATA
	VOLTAGE: 460V			VOLTAGE: 380V			
	F. L. AMPS: 133.0			F. L. AMPS: 161.9			
	S.F. AMPS: 152.7			S.F. AMPS: 161.9			
	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.: 0.899			NOM. P. F.: 0.902			
	NEMA MIN. EFF.: 93.6%			NEMA MIN. EFF.: 92.4%			
	MAX. KVAR: 21.8			MAX. KVAR: 19.5			

**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.northamericanelectric-inc.com](http://www.northamericanelectric-inc.com)