

# SD12100C

## 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 - 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	1185	444TC	G	94.5	95.4	95.2	0.896	0.884	0.841	443.21	250	212
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
111.7	658.6	6318	6318	F	TEFC	1.15	1671					



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**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: H12100C		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: 1671LBS	
USABLE ON 208V 60HZ AT: 247.0 MAX. AMPS						SER:	
60 HERTZ DATA	HP: 100 RPM: 1185			HP: 100 RPM: 985			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 223.4/111.7			F. L. AMPS: 276.8/138.4			
	S.F. AMPS: 259.2/129.6			S.F. AMPS: 276.8/138.4			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 94.5%			NEMA NOM. EFF: 93.0%			
	NOM. P. F.: 0.896			NOM. P. F.: 0.885			
	NEMA MIN. EFF.: 93.0%			NEMA MIN. EFF.: 91.7%			
	MAX. KVAR: 22.0			MAX. KVAR: 20.1			

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



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