

SD12100

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
22	22.13	47.3	11	9	14.5	16.5	1.38	0.81	3.35	21.8
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
21.6	2.88	0.875	4.25	3.375	6.91	3	19.5	7.5	8.5	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	1185	444T	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	NU318	6318	F	TEFC	1.15	1671					





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: H12100		FRAME: 444T		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: NU318				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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