

SD1250C

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												
7	11.25	12.25	0.66	5.88	18	15.38	35.3	9	1.11	2.95	17.7	20.9	+0.25	5.62	15.6	3
KEY			KEYSET R		FLANGE					SHAFT EXTENSION						
WIDTH		LENGTH		AK	AJ	BF		BB	BD	N-W	U					
0.625		4.28		2.021	12.5	11		5/8-11	0.25	14	5.88	2.375				

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%
50	1185	365TC	G	93.3	94.2	94.0	0.876	0.857	0.785	221.60	258	210
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
57.0	359.3	6314	6314	F	TEFC	1.15	902					



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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: H1250C		FRAME: 365TC		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6314				OPP/END BRG: 6314			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 902LBS	
USABLE ON 208V 60HZ AT: 126.1 MAX. AMPS						SER:	
60 HERTZ DATA	HP: 50 RPM: 1185			HP: 50 RPM: 980			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 114.0/57.0			F. L. AMPS: 139.2/69.6			
	S.F. AMPS: 131.4/65.7			S.F. AMPS: 139.2/69.6			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 93.3%			NEMA NOM. EFF: 91.7%			
	NOM. P. F.: 0.876			NOM. P. F.: 0.881			
	NEMA MIN. EFF.: 91.7%			NEMA MIN. EFF.: 90.2%			
	MAX. KVAR: 15.0			MAX. KVAR: 11.1			

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



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