

SD1850C

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												
6.25	10.5	12	0.66	5.25	16	15.1	33.3	8	1.11	2.75	15.8	18.5	+0.25	5.00	14.8	2
KEY			KEYSET R		FLANGE					SHAFT EXTENSION						
WIDTH		LENGTH			AK	AJ	BF		BB	BD	N-W	U				
0.500		3.91			1.845	12.5	11	5/8-11		0.25	14	5.25	2.125			

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	1770	326TC	G	93.4	94.6	94.3	0.908	0.894	0.835	148.36	235	200
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
55.0	332.8	6312	6312	F	TEFC	1.15	706					



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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: H1850C		FRAME: 326TC		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6312				OPP/END BRG: 6312			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 706LBS	
USABLE ON 208V 60HZ AT: 124.6 MAX. AMPS						SER:	
60 HERTZ DATA	HP: 50 RPM: 1770			HP: 50 RPM: 1470			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 110.0/55.0			F. L. AMPS: 136.4/68.2			
	S.F. AMPS: 127.6/63.8			S.F. AMPS: 136.4/68.2			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 93.4%			NEMA NOM. EFF: 91.7%			
	NOM. P. F.: 0.908			NOM. P. F.: 0.899			
	NEMA MIN. EFF.: 91.7%			NEMA MIN. EFF.: 90.2%			
	MAX. KVAR: 11.1			MAX. KVAR: 9.30			

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



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