

SD12125C

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	57.4	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	1185	445TC	G	94.8	95.7	95.3	0.900	0.885	0.844	554.01	258	212
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
133.4	798.5	6318	6318	F	TEFC	1.15	1775					



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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: H12125C		FRAME: 445TC		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6318				OPP/END BRG: 6318			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 1775LBS	
USABLE ON 208V 60HZ AT: MAX. AMPS						SER:	
60 HERTZ DATA	HP: 125 RPM: 1185			HP: 125 RPM: 985			50 HERTZ DATA
	VOLTAGE: 460V			VOLTAGE: 380V			
	F. L. AMPS: 133.4			F. L. AMPS: 167.3			
	S.F. AMPS: 153.9			S.F. AMPS: 167.3			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 94.8%			NEMA NOM. EFF: 93.0%			
	NOM. P. F.: 0.90			NOM. P. F.: 0.879			
	NEMA MIN. EFF.: 93.0%			NEMA MIN. EFF.: 91.7%			
	MAX. KVAR: 26.3			MAX. KVAR: 20.0			

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



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