

SD1875

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
18	15.38	35.3	9	7	11.25	12.25	1.11	0.66	2.95	18.4
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
17.7	2.021	0.625	2.5	2.375	4.28	3	15.6	5.88	5.88	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%
75	1780	365T	G	94.4	94.7	94.4	0.888	0.884	0.831	221.29	255	213
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
82.6	487.2	6314	6314	F	TEFC	1.15	983					





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: H1875		FRAME: 365T		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6314				OPP/END BRG: 6314			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 983LBS	
USABLE ON 208V 60HZ AT: 182.7 MAX. AMPS						SER:	
60 HERTZ DATA	HP: 75 RPM: 1780			HP: 75 RPM: 1470			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 165.2/82.6			F. L. AMPS: 201.6/100.8			
	S.F. AMPS: 191.6/95.8			S.F. AMPS: 201.6/100.8			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 94.4%			NEMA NOM. EFF: 93.0%			
	NOM. P. F.: 0.888			NOM. P. F.: 0.891			
	NEMA MIN. EFF.: 93.0%			NEMA MIN. EFF.: 91.7%			
	MAX. KVAR: 18.0			MAX. KVAR: 13.4			

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



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