

## SD1840

### 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
16	15.1	33.3	8	6.25	10.5	12	1.11	0.66	2.75	16
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
15.8	1.845	0.5	2.5	2.125	3.91	2	14.8	5.25	5.25	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%
40	1780	324T	G	93.3	94.1	93.8	0.895	0.883	0.816	118.02	245	200
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
45.0	282.2	6312	6312	F	TEFC	1.15	675					





**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: H1840		FRAME: 324T		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6312				OPP/END BRG: 6312			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 675LBS	
USABLE ON 208V 60HZ AT: 99.5 MAX. AMPS						SER:	
60 HERTZ DATA	HP: 40 RPM: 1780			HP: 40 RPM: 1470			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 90.0/45.0			F. L. AMPS: 110.6/55.3			
	S.F. AMPS: 103.4/51.7			S.F. AMPS: 110.6/55.3			
	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.: 0.895			NOM. P. F.: 0.899			
	NEMA MIN. EFF.: 91.7%			NEMA MIN. EFF.: 90.2%			
	MAX. KVAR: 10.7			MAX. KVAR: 8.33			

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



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