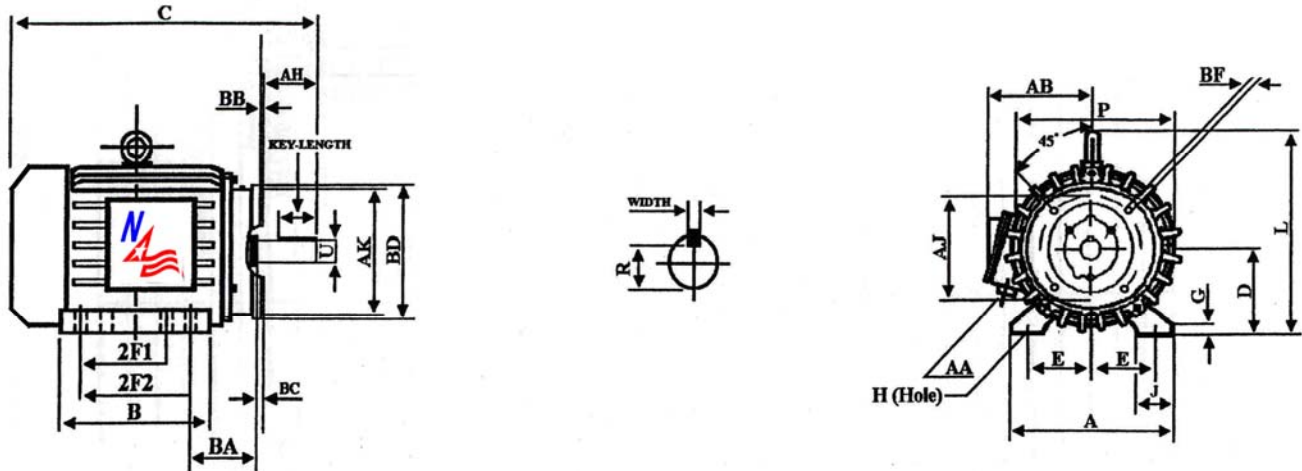


# SD18250C

## 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	20	25	0.81	7.5	22	30.5	55.8	11	1.38	3.35	21.6	26.05	0.25	8.25	19.5	3
KEY			KEYSET R		FLANGE – (8 Holes)				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%
250	1785	449TC	G	95.5	96.2	96.1	0.894	0.906	0.871	735.57	271	212
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
273.4	1647	6319	6319	F	TEFC	1.15	2595					



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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: H18250C		FRAME: 449TC		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6319				OPP/END BRG: 6319			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 2595LBS	
USABLE ON 208V 60HZ AT:    MAX. AMPS						SER:	
60 HERTZ DATA	HP: 250    RPM: 1785			HP: 250    RPM: 1480			50 HERTZ DATA
	VOLTAGE: 460V			VOLTAGE: 380V			
	F. L. AMPS: 273.4			F. L. AMPS: 330.2			
	S.F. AMPS: 316.4			S.F. AMPS: 330.2			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 95.5%			NEMA NOM. EFF: 94.1%			
	NOM. P. F.: 0.894			NOM. P. F.: 0.905			
	NEMA MIN. EFF.: 94.59%			NEMA MIN. EFF.: 93.0%			
	MAX. KVAR: 51.3			MAX. KVAR: 36.1			

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



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