

## SD12300

### 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
22	30.5	57.4	11	9	20	25	1.38	0.81	3.35	21.8
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
21.6	2.88	0.875	4.25	3.375	6.91	3	19.5	7.5	10.125	F1

### 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%
300	1185	449T	G	95.2	96.0	95.8	0.852	0.849	0.787	1329.62	249	212
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
341.1	673.4	NU322EC	6319	F	TEFC	1.15	2948					



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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: H12300		FRAME: 449T		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: NU322EC				OPP/END BRG: 6319			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 2948 LBS	
USABLE ON 208V 60HZ AT:    MAX. AMPS						SER:	
60 HERTZ DATA	HP: 300    RPM: 1185			HP: 300    RPM: 980			50 HERTZ DATA
	VOLTAGE: 460V			VOLTAGE: 380V			
	F. L. AMPS: 341.1			F. L. AMPS: 428			
	S.F. AMPS: 341.1			S.F. AMPS: 428			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 95.2%			NEMA NOM. EFF: 94.1			
	NOM. P. F.: 0.852			NOM. P. F.: 0.830			
	NEMA MIN. EFF.: 94.1			NEMA MIN. EFF.: 93.0			
	MAX. KVAR: 73.8			MAX. KVAR: 64.1			

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



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