

## SD36300

### 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	52.1	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	2.021	0.625	4.25	2.375	3.03	3	19.5	7.5	4.75	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	3575	449TS	G	95.6	96.1	95.7	0.89	0.905	0.864	440.73	290	247
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
325.3	2144	6314	6314	F	TEFC	1.15	2562					



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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: H36300		FRAME: 449TS		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6314				OPP/END BRG: 6314			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 2562LBS	
USABLE ON 208V 60HZ AT: MAX. AMPS						SER:	
60 HERTZ DATA	HP: 300 RPM: 3575			HP: 300 RPM: 2975			50 HERTZ DATA
	VOLTAGE: 460V			VOLTAGE: 380V			
	F. L. AMPS: 325.3			F. L. AMPS: 389.5			
	S.F. AMPS: 377.9			S.F. AMPS: 389.5			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 95.6%			NEMA NOM. EFF: 94.5%			
	NOM. P. F.: 0.89			NOM. P. F.: 0.908			
	NEMA MIN. EFF.: 94.5%			NEMA MIN. EFF.: 93.6%			
	MAX. KVAR: 57.5			MAX. KVAR: 46.1			

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



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