

# SD36150C

## 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	14.5	16.5	0.81	7.5	22	22.13	43.6	11	1.38	3.35	21.6	26.05	+0.25	4.5	19.5	3
KEY			KEYSET R	FLANGE				SHAFT EXTENSION								
WIDTH	LENGTH			AK	AJ	BF	BB	BD	N-W	U						
0.625	3.03		2.021	16	14	5/8-11	0.25	18	4.75	2.375						

### 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%
150	3575	445TSC	G	94.9	95.0	94.4	0.869	0.887	0.83	220.36	279	205
Amps ( 460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
168.1	1075	6314	6314	F	TEFC	1.15	1739					



North American Electric, Inc. 350 Vaiden Drive, Hernando, MS 38632

Toll Free: 1-800-884-0405 Phone: 662-429-8049 Fax: 662-429-8546

[www.northamericanelectric-inc.com](http://www.northamericanelectric-inc.com)



**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: H36150C		FRAME: 445TSC		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6314				OPP/END BRG: 6314			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 1739LBS	
USABLE ON 208V 60HZ AT:    MAX. AMPS						SER:	
60 HERTZ DATA	HP: 150    RPM: 3575			HP: 150    RPM: 2970			50 HERTZ DATA
	VOLTAGE: 460V			VOLTAGE: 380V			
	F. L. AMPS: 168.1			F. L. AMPS: 198.0			
	S.F. AMPS: 191.9			S.F. AMPS: 198.0			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 94.9%			NEMA NOM. EFF: 94.1%			
	NOM. P. F.: 0.869			NOM. P. F.: 0.897			
	NEMA MIN. EFF.: 93.6%			NEMA MIN. EFF.: 93.0%			
	MAX. KVAR: 30.0			MAX. KVAR: 24.3			

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



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