

SD3675C

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												
7	11.25	12.25	0.66	5.88	18	15.38	33.2	9	1.11	2.95	17.7	20.9	+0.25	3.50	15.6	3
KEY			KEYSET R		FLANGE					SHAFT EXTENSION						
WIDTH		LENGTH		AK	AJ	BF		BB	BD	N-W	U					
0.500		2.03		1.591	12.5	11		5/8-11	0.25	14	3.75	1.875				

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%
75	3555	365TSC	G	93.2	93.9	93.5	0.91	0.914	0.87	110.80	257	185
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
82.5	462.5	6314	6314	F	TEFC	1.15	919					



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



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: H3675C		FRAME: 365TSC		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6314				OPP/END BRG: 6314			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 919LBS	
USABLE ON 208V 60HZ AT: 182.5 MAX. AMPS						SER:	
60 HERTZ DATA	HP: 75 RPM: 3555			HP: 75 RPM: 2955			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 165.0/82.5			F. L. AMPS: 197.8/98.9			
	S.F. AMPS: 190.6/95.3			S.F. AMPS: 197.8/98.9			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 93.2%			NEMA NOM. EFF: 92.4%			
	NOM. P. F.: 0.91			NOM. P. F.: 0.914			
	NEMA MIN. EFF.: 91.7%			NEMA MIN. EFF.: 91.0%			
	MAX. KVAR: 13.7			MAX. KVAR: 12.1			

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



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