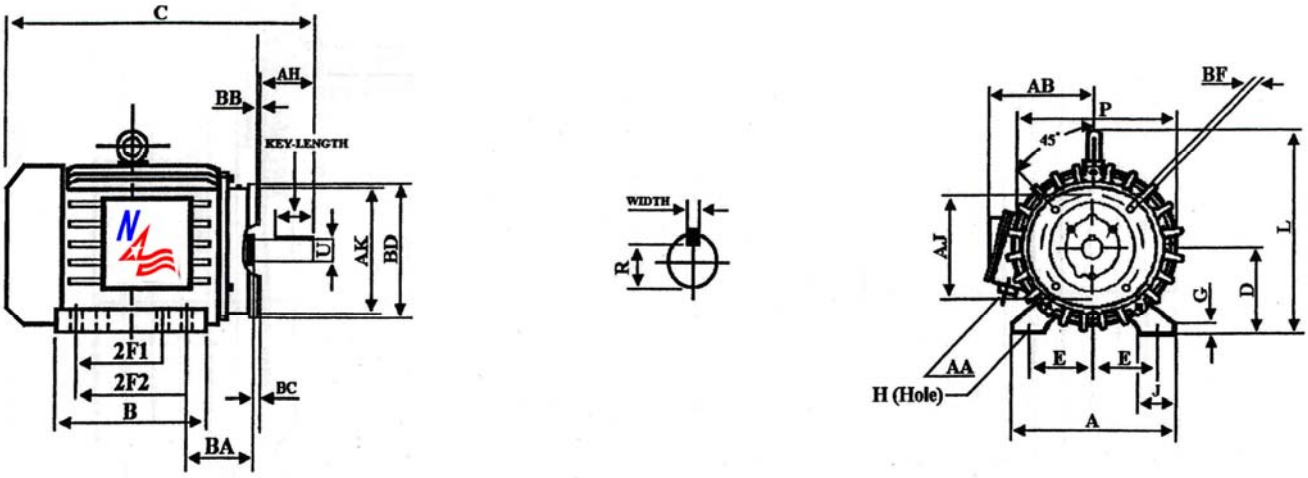
North American Electric, Inc.

SD36100C

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												
8	12.25	13.75	0.81	6.62	20	17.1	37.0	10	1.18	3.15	19.2	23.11	+0.25	4.00	18.5	3

KEY			KEYSET R	FLANGE					SHAFT EXTENSION	
WIDTH		LENGTH		AK	AJ	BF	BB	BD	N-W	U
0.500		2.78	1.845	12.5	11	5/8-11	0.25	15.5	4.25	2.125

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%
100	3565	405TSC	G	94.0	94.5	94.3	0.916	0.921	0.885	147.32	253	202

Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)
FLA	LRA						
109.8	590.4	6314	6314	F	TEFC	1.15	1263

CANADIAN STANDARDS ASSOCIATION

ISO

North American Electric, Inc. 350 Vaiden Drive, Hernando, MS 38632
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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: H36100C		FRAME: 405TSC		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6314				OPP/END BRG: 6314			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 1263LBS	
USABLE ON 208V 60HZ AT: 242.8 MAX. AMPS						SER:	
60 HERTZ DATA	HP: 100 RPM: 3565			HP: 100 RPM: 2960			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 219.6/109.8			F. L. AMPS: 268.4/134.2			
	S.F. AMPS: 254.4/127.2			S.F. AMPS: 268.4/134.2			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 94.0%			NEMA NOM. EFF: 92.4%			
	NOM. P. F.: 0.916			NOM. P. F.: 0.919			
	NEMA MIN. EFF.: 92.4%			NEMA MIN. EFF.: 91.0%			
	MAX. KVAR: 16.5			MAX. KVAR: 12.9			

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

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