

SD3650

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
16	15.1	31.8	8	6.25	10.5	12	1.11	0.66	2.75	16
P	R	S	T	U	ES	AA	AB	BA	N-W	Mount
15.8	1.591	0.5	2.5	1.875	2.03	2	14.8	5.25	3.75	F1

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%
50	3565	326TS	G	92.6	93.3	92.9	0.906	0.908	0.860	73.66	245	183
Amps (460V)		DE Bearing	ODE Bearing	Insulation Class	Enclosure Type	Service Factor	Weight (lbs)					
FLA	LRA											
55.5	305.3	6312	6312	F	TEFC	1.15	725					



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: H3650		FRAME: 326TS		ENCL: TEFC		PHASE: 3	
SHAFT END BRG: 6312				OPP/END BRG: 6312			
MAX. AMB: 40° C		INS CLASS: F		RATING: CONT.		MOTOR WEIGHT: 725LBS	
USABLE ON 208V 60HZ AT: 122.7 MAX. AMPS						SER:	
60 HERTZ DATA	HP: 50 RPM: 3565			HP: 50 RPM: 2955			50 HERTZ DATA
	VOLTAGE: 230/460V			VOLTAGE: 190/380V			
	F. L. AMPS: 111.0/55.5			F. L. AMPS: 135.4/67.7			
	S.F. AMPS: 130.6/65.3			S.F. AMPS: 135.4/67.7			
	S.F. 1.15	DESIGN: B	CODE: G	S.F. 1.0	DESIGN:	CODE: H	
	NEMA NOM. EFF: 92.6%			NEMA NOM. EFF: 91.0%			
	NOM. P. F.: 0.906			NOM. P. F.: 0.912			
	NEMA MIN. EFF.: 91.0%			NEMA MIN. EFF.: 89.5%			
	MAX. KVAR: 10.02			MAX. KVAR: 8.68			

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

