

PRODUCT INFORMATION PACKET



Model No: 171643.60

Catalog No: 171643.60

General Purpose Motor, 1 & 0.75 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 & 1000 RPM,
145T Frame, TEFC



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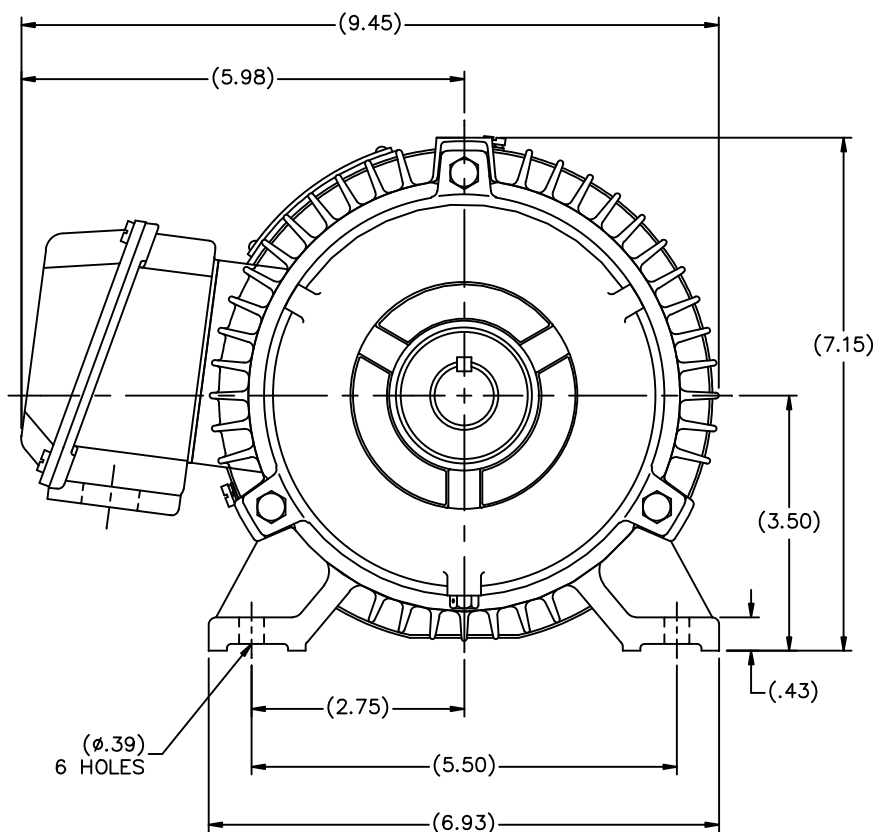


Nameplate Specifications

Phase	3	Output HP	1 & 0.75 Hp
Output KW	0.75 & 0.56 kW	Voltage	208-230/460 & 190/380 V
Speed	1155 & 965 rpm	Service Factor	1.25 & 1.15
Frame	145T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	82.5 & 80 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	3.6-3.6/1.8 & 3.5/1.75 A	Power Factor	63
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	K
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	N
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

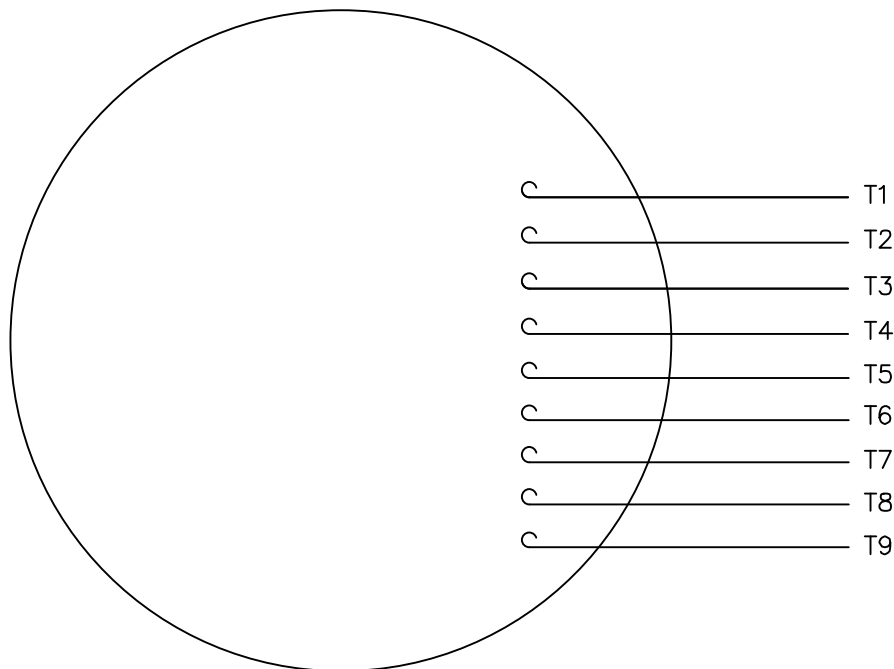
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	13.46 in
Shaft Diameter	0.750 in	Shaft Extension	2.25 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1
Connection Drawing	00501001ME	Outline Drawing	SS622146



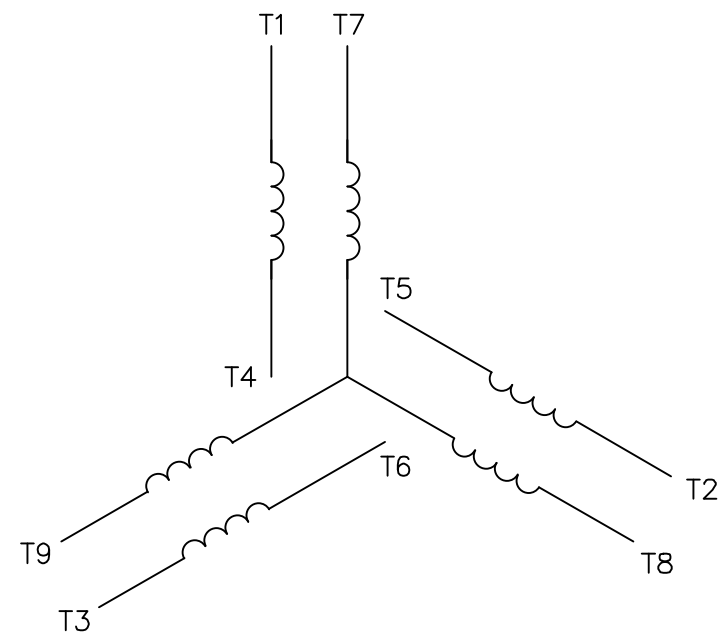
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						TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION			DRAWN MSG 06-28-2006
						DEC.	INCHES				CHK ML 06-28-2006
						.X	±.1				APPD SB 06-28-2006
						.XX	±.03	TITLE OUTLINE N140T-4G - STD. BRKT			SCALE 5=8
						.XXX	±.005				REF
01	CHANGE CO FROM MARATHON TO RBC ISAAC 10-3802	TF	10/5/2010			.XXXX	±.0005	MAT'L			FWM MU75330
NO.	REVISION		BY & DATE	CHK	ANG	±730"	FINISH				PREV
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT						RFP 09-25-2006	CAD FILE SS622146	SIZE B	DRAWING NO. SS622146	PAGE 01 OF 01	REV.
						DIST MAR-WA-WP					

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

				TOLERANCES UNLESS SPECIFIED			DRAWN RDW 04/12/02			
				DEC.	INCHES		CHK			
				.X	±.1		APPD			
				.XX	±.01		SCALE 1=1			
				.XXX	±.005		REF FIG.2-51			
				.XXXX	±.0005	MAT'L. DECAL - 004014		FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH		PREV		
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			DIST							



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-277-8810

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 00501001ME

CAT #: 171643.60

OUTLINE: SS622146

WINDING: ZT6140

NONE 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1	0.75	1200	1155	145T	EPFC	TFN	K	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	208-230/460#190/380	3.6-3.6/1.8&3.5/1.75	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	82.5	3/4 LD EFF	81.9	1/2 LD EFF	78.7	GTD EFF		ELECT. TYPE	
F.L. PF	63.0	3/4 LD PF	54.0	1/2 LD PF	41.5	80.0		SQ CAGE INV RATED	

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)	
4.5 LB-FT	11.0	11.4 LB-FT 253%	16.7 LB-FT 371%	35	

PRESSURE @ 3	SOUND	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
62 dBA	71 dBA		0.14 LB-FT²	0 LB-FT²	20 SEC.	0	50 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	WATTS AVER

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	CAST IRON
6205 6205						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0	0	0	0	0	0.150	ODE

* N O T E S *		INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR

DATE: 9/11/2018	BRAKE: NONE NONE	NONE
	FT-LB: NA	
	VOLTAGE: NONE	HZ:
UL: V-INS, CONST UL REC		

Data Sheet

Date: 9/11/2018

171643.60



Data @ 460 V

Motor Load Data

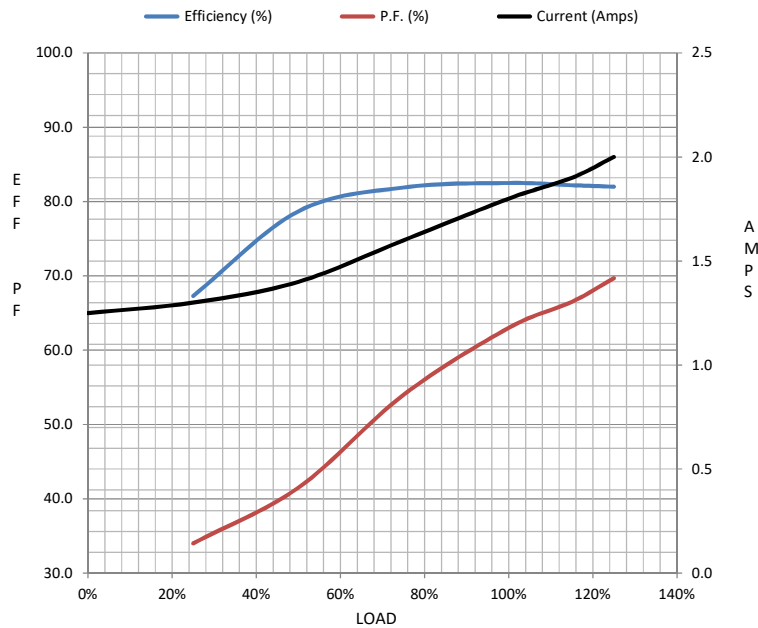
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.25	1.30	1.40	1.60	1.80	1.90	2.00	11.0	
Torque (ft-lb)	0.00	1.66	2.20	3.4	4.5	5.2	5.7	11.4	
RPM	1200	1190	1180	1170	1155	1,145	1140	0	
Efficiency (%)		67.3	78.7	81.9	82.5	82.2	82.0		
P.F. (%)	8.0	34.0	41.5	54.0	63.0	66.5	69.7	63.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	105	835	1155	1200
Current (Amps)	11.0	10.7	6.7	1.80	1.25
Torque (ft-lb)	11.4	11.4	16.7	4.5	0.00

Information Block

HP	1.0			
Sync. RPM	1200			
Frame	145			
Enclosure	EPFC			
Construction	TFN			
Voltage	208-230/460#190/380	V		
Frequency	60	Hz		
Design	B			
LR Code letter	K			
Service Factor	1.15			
Temp Rise @ FL	35	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	0.14	Lb-Ft²		
Ref Wdg	ZT6140 NONE			
Sound Pressure @ 1M	62	dBA		
VFD Rating	CONSTANT 10:1			
Outline Dwg	SS622146			
Conn. Diag	00501001ME			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

