

PRODUCT INFORMATION PACKET



Model No: C6T11DC12A

Catalog No: E110434.00

E110434.00..1/2HP..1140RPM.56C.DP.230/460V.3PH.60HZ.CONT.40C.1.15SF.C
FACE.C6T11DC12.....GENERAL PURPOSE.T-STAT.....

Open Drip Proof (ODP)



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Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	230/460 V
Current	2.2/1.1 A	Speed	1140 rpm
Service Factor	1.15	Phase	3
Efficiency	75.3 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	K	Frame	56C
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	Y
IP Code	22		

Technical Specifications

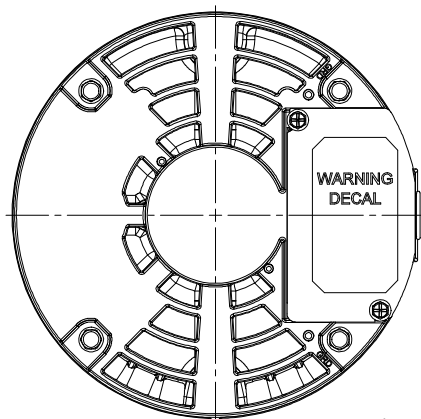
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	10.87 in	Frame Length	6.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	607-0329-600	Connection Diagram	005010.20

B

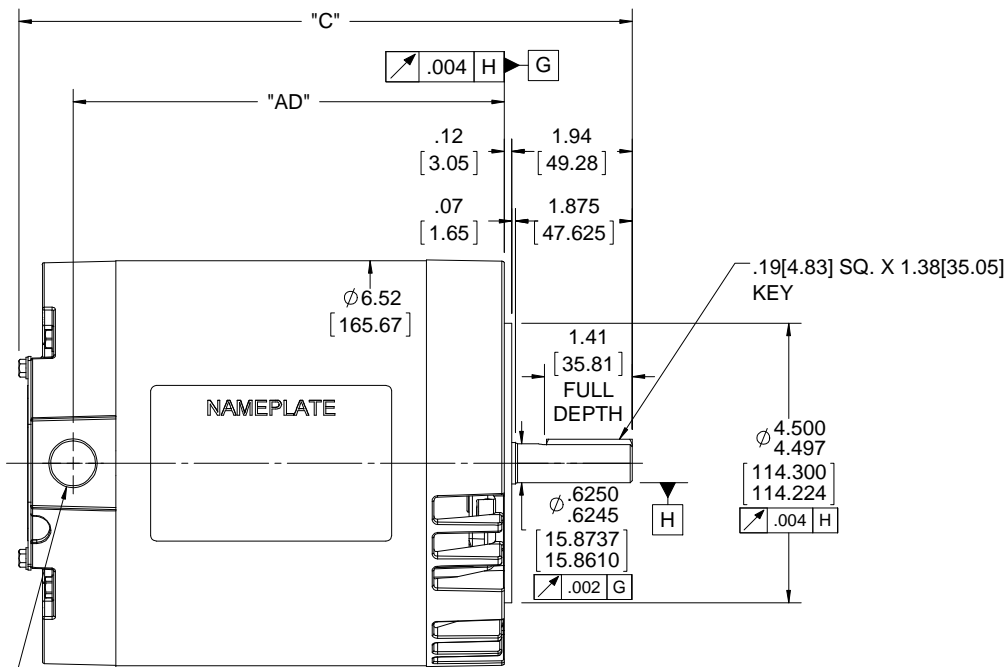
B

A

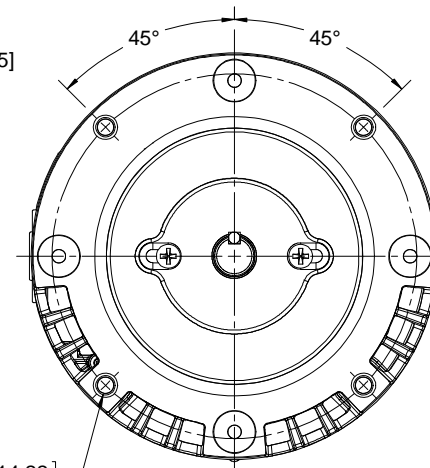
A



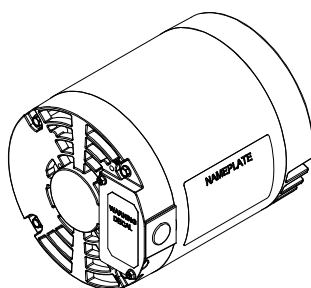
1/2 - 14 NPT
(PLUGGED)



(4) 3/8-16 UNC - 2B X .56[14.22]
DEEP ON A Ø5.875[149.225] B.C.

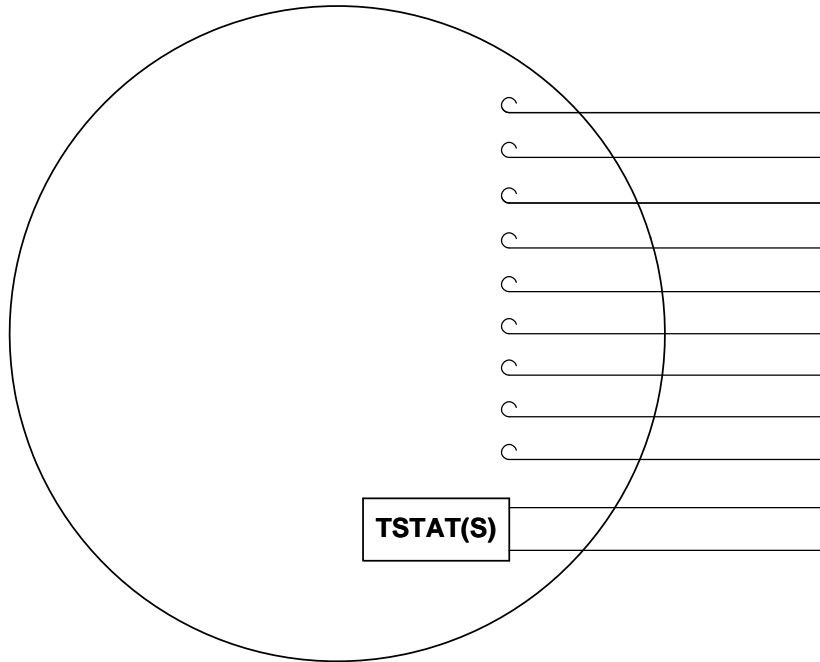


DASH NO.	"C"	"AD"
500	9.87 [250.70]	6.94 [176.28]
600	10.87 [276.10]	7.94 [201.68]



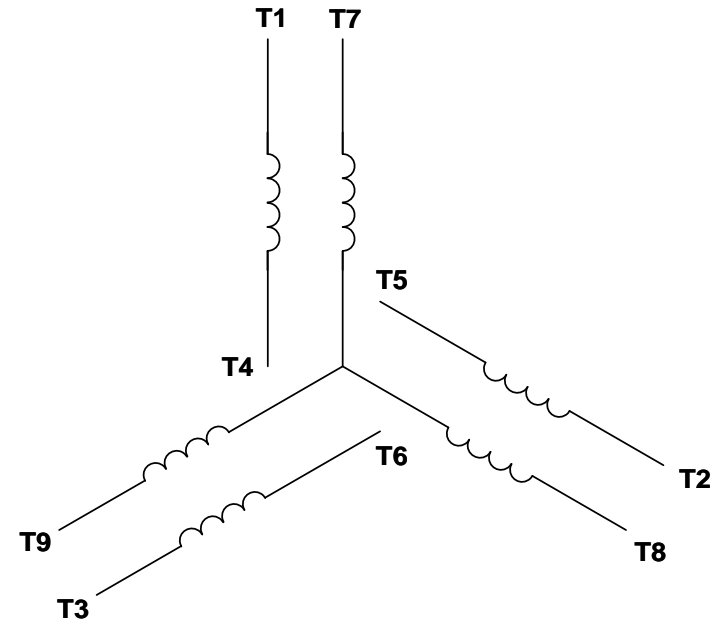
DRAWING REVISION A	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7°-30° .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY T AHER	Regal Beloit America, Inc.
ECO ECO-0140840	APPROVED BY	DATE	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51]	DATE 12/19/2017	
ECO DESCRIPTION OUTLINE CONVERSION PROJECT COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			MACHINED SURFACES: 200 INCH/mm 5.1	APPROVED BY PK	DESCRIPTION OUTLINE 56C FRAME, DRIP PROOF - "C" FACE
			DATE 03/08/2018	REFERENCE 607-0192	MATERIAL PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 607-0329
					SHEET 1 OF 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



- T1
- T2
- T3
- T4
- T5
- T6
- T7
- T8
- T9
- RED(P1)
- RED(P2)

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

DRAWING REVISION G	REVISION BY MVG	DATE 04/05/2017
ECO ECO-0121253	APPROVED BY SM	DATE 04/05/2017

ECO DESCRIPTION
ADDED P1 & P2 FOR TSTAT

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125/3.2 INCH/mm
mm SHOWN IN [BRACKETS]

DRAWN BY DBT 12/16/97	DATE
APPROVED BY KH 12/17/97	DATE
REFERENCE	
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3 PHASE WITH PROTECTOR

MATERIAL DECAL - 004014 (TSTAT) - 080582	PROCESS/FINISH STOCK
SIZE A	DRAWING NUMBER 00501020
SHEET 1 OF 1	



CERTIFICATION DATA SHEET

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CONN. DIAGRAM 005010.20
OUTLINE: 607-0192-600
WINDING: T636113

CAT #:

E110434.00

DR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
0.5	0.37	1440	1153	56C	DP	NA	J	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	2.15/1.05&2.3/1.15	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	F.L. PF	3/4 LD EFF	74.9	1/2 LD EFF	70.1	GTD EFF	ELECT. TYPE
57.9	57.9	3/4 LD PF	48.5	1/2 LD PF	37.7	0.0	SO CAGED INVERTER

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)
588 LB-FT	5.0	1,399 LB-FT	238%	1,879 LB-FT
			320%	29

PRESSURE @	POWER	ROTOR WK ²	MAX. LOAD WK ²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
0 DBA	9 DBA	0.00 LB-FT ²	0 LB-FT ²	0 SEC.	0	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
G-FACE	STANDARD	ROUND	HORIZONTAL	NO	NONE	NO	NONE	N-LEESON WATTS

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
BALL BALL 6203	POLYREX EM	STANDARD 56	NONE	NONE	1144	STRESSPROOF (C-223)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMOSTATS	CONTROL	SPACE HEATERS
TSTATS (N/C)	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 ODE
0	0	0	0	0	0.080	ODE

* N O T E S *		INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: 1.1 X BASE SPEED
ENCODER: NONE NONE NONE		NONE PPR
BRAKE: NONE NONE NONE		NONE
FT-LB: NA VOLTAGE: NONE		NONE
DATE: 1/31/2018		U.I.: Y:(LEESON UL REC)



Motor Load Data

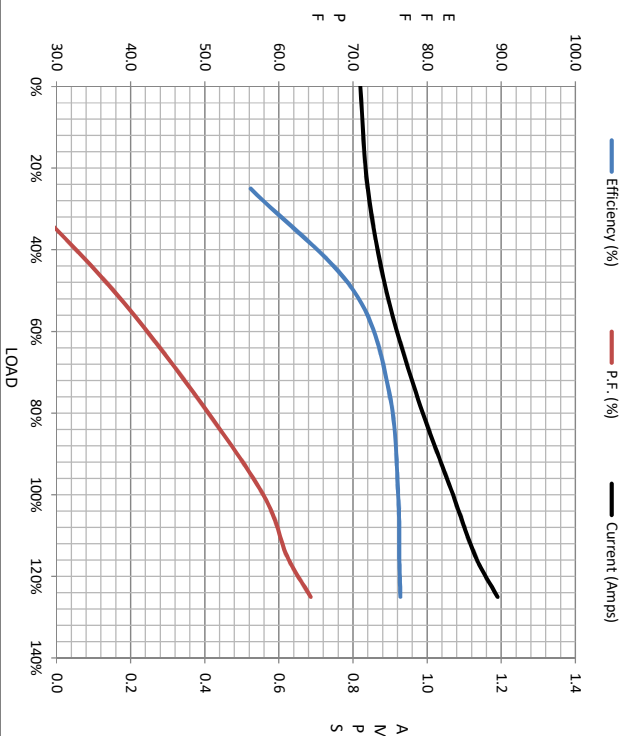
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.82	0.84	0.89	0.97	1.07	1.13	1.19	5.0
Torque (ft-lb)	0.00	142	288	436	588	10,669	740	1,399
RPM	1440	1189	1178	1167	1153	1,147	1,139	0
Efficiency (%)		56.2	70.1	74.9	76.1	76.3	76.4	
P.F. (%)	11.8	24.7	37.7	48.5	57.9	61.1	64.3	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	106	807	1153	1440
Current (Amps)	5.0	5.0	3.6	1.07	0.82
Torque (ft-lb)	1,399	1,455	1,879	588	0.00

Information Block

HP	0.5			
Sync. RPM	1440			
Frame	56			
Enclosure	DP			
Construction	NA			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	J			
Service Factor	1.15			
Temp Rise @ FL	29 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.00 Lb-Ft ²			
Ref Wdg	T636113 DR			
Sound Pressure @ 1M	0 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	607-0192-600			
Conn. Diag	005010.20			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

