

PRODUCT INFORMATION PACKET



Model No: C6T17DR38B

Catalog No: E110433.00

.1.5HP..1725RPM.56H.DP.230/460V.3PH.60/50HZ.CONT.40C.1.15SF.RESILIENT BASE..T-STAT.....

Open Drip Proof (ODP)



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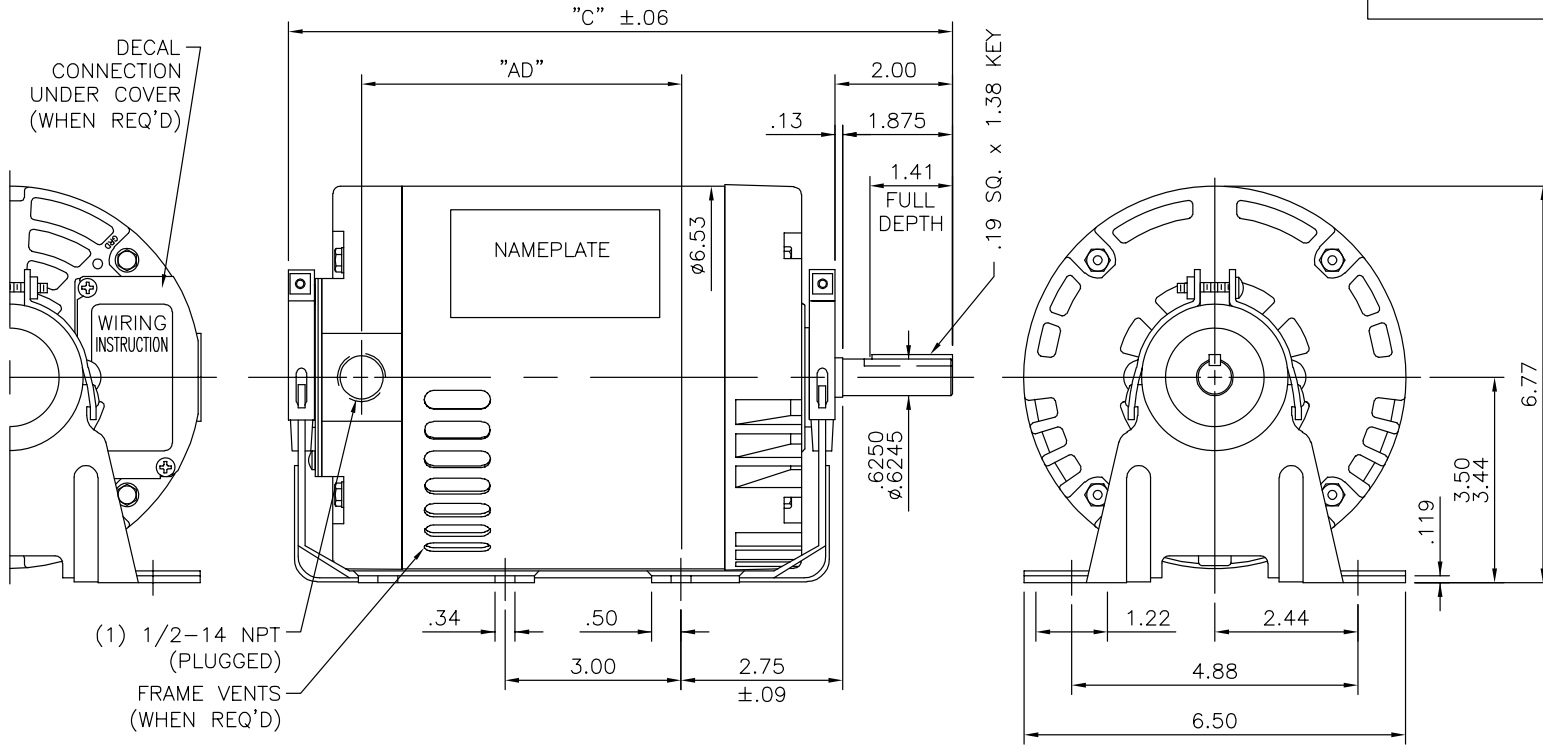
Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.8/2.4 A	Speed	1750 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	56H
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	4	Rotation	Reversible
Mounting	Resilient Base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	13.82 in	Frame Length	8.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	607-0198-800	Connection Diagram	005010.20

607-0198

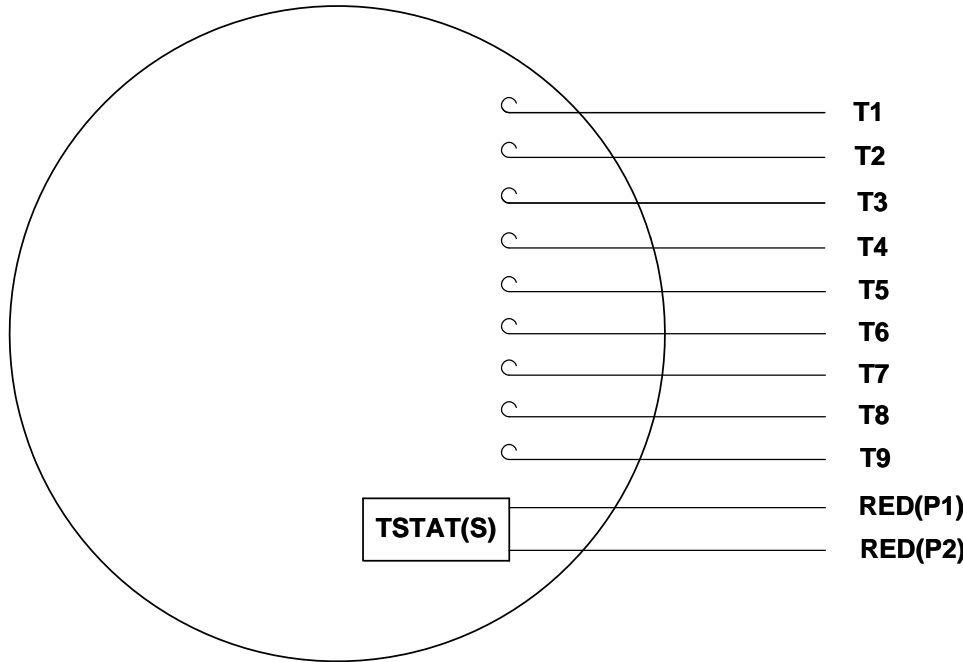


DASH NO.	"C"	"AD"	DASH NO.	"C"	"AD"
500	10.82	4.96	800	13.82	7.96
550	11.32	5.46	850	14.32	8.46
600	11.82	5.96			
650	12.32	6.46			
700	12.82	6.96			
750	13.32	7.46			

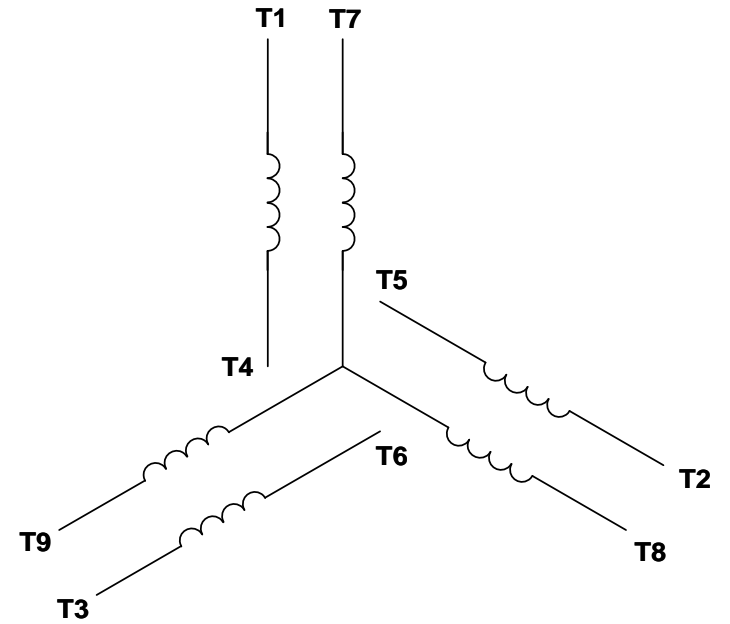
NO.	REVISION	BY & DATE	TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PST 1/29/2015
			DEC.	INCHES			
			.X	±.1			APPD
			.XX	±.03	TITLE	OUTLINE - 56 FRAME	SCALE 3=8
			.XXX	±.005		DRIP PROOF - RESILIENT BASE	REF
			.XXXX	±.0005	MAT'L.	GENERAL PURPOSE	FMF
			ANG	±1/2'	FINISH		PREV
			RFP		CAD FILE	607-0198	SIZE A
			DIST	BRF-NLV			DRAWING NO. 607-0198
							REV.

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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



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	



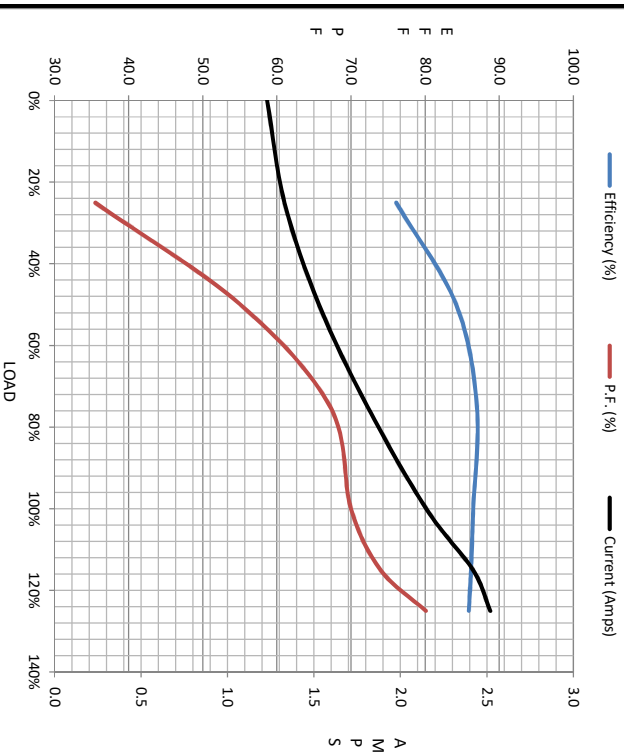
Motor Load Data						LR	
Load	0%	25%	50%	75%	100%	115%	125%
Current (Amps)	1.23	1.33	1.53	1.81	2.15	2.42	2.52
Torque (ft-lb)	0.00	1.13	2.25	3.4	4.5	5.2	5.6
RPM	1800	1786	1773	1761	1746	1740	1732
Efficiency (%)		76.1	84.2	87.0	88.5	86.2	85.9
P.F. (%)	9.9	35.5	55.1	67.2	70.0	74.0	80.1

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1746	1800
Current (Amps)	18.1	16.0	12.1	2.15	1.23
Torque (ft-lb)	14.8	13.5	19.8	4.5	0.00

Information Block

HP	1.5
Sync. RPM	1800
Frame	140
Enclosure	DP
Construction	TDR
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	28 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	0.14 LB-Ft ²
Ref Wdg	T634341 DR
Sound Pressure @ 1M	0 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	607-0198-800
Conn. Diag	005010.20
Additional Specifications:	
0	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	0.0000



Speed - Torque Curve

