

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

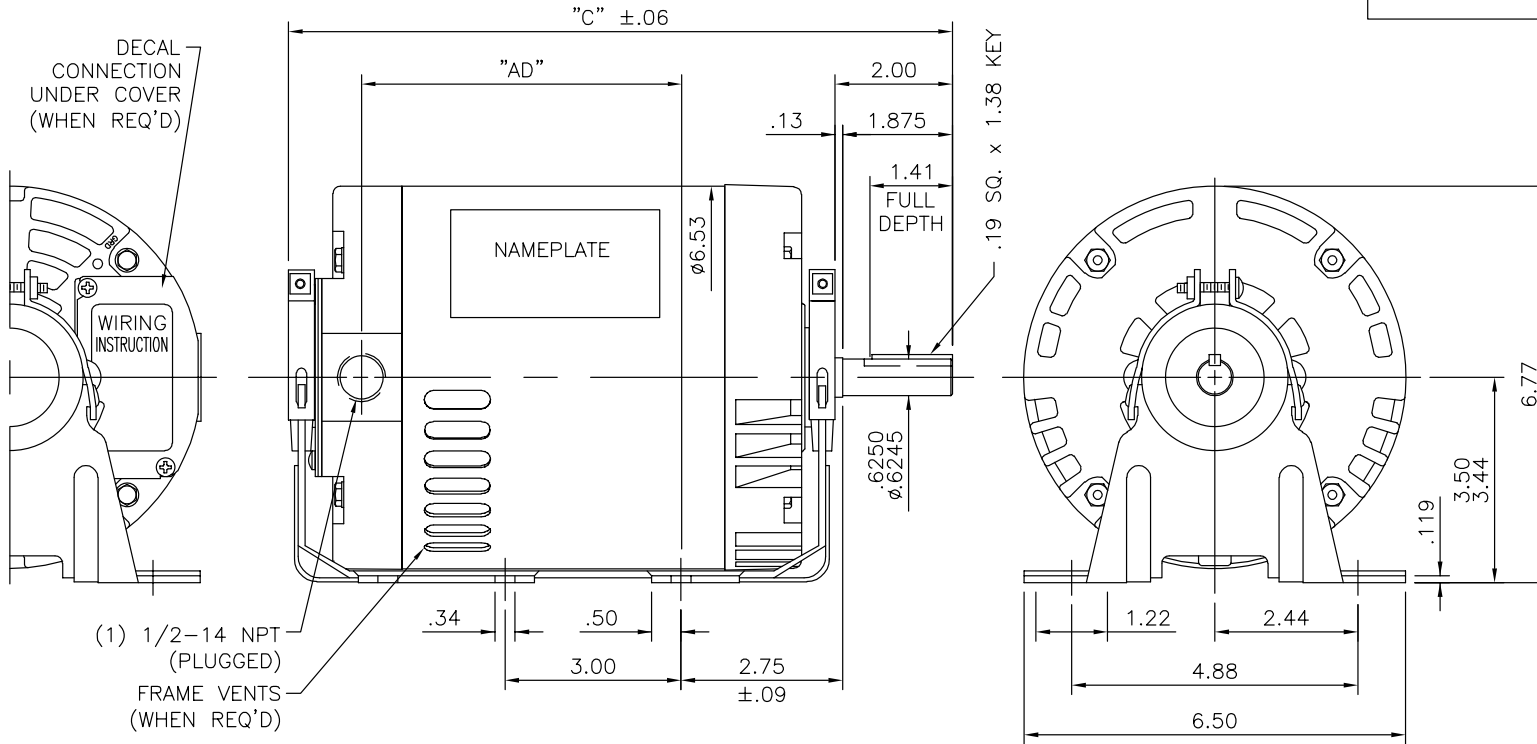
Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230/460 V
Current	4.8/2.4 A	Speed	1750 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	L	Frame	56H
Enclosure	Drip Proof	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing 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

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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						Information Block			
	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure
Speed (RPM)	0	900	1600	1746	1800	1.5	1800	140	DP
Current (Amps)	18.1	16.0	12.1	2.15	1.23				TDR
Torque (ft-lb)	14.8	13.5	19.8	4.5	0.00				230/460#190/380

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

