

PRODUCT INFORMATION PACKET



Model No: C6T17DB113A

Catalog No: E119351.00

E119351.00..1/2HP..1725RPM.56.DP.230/460V.3PH.60HZ.CONT.40C.1.25SF.RIGID.C6T17DB113.....GENE
RAL PURPOSE.T-STAT.....

Open Drip Proof (ODP)



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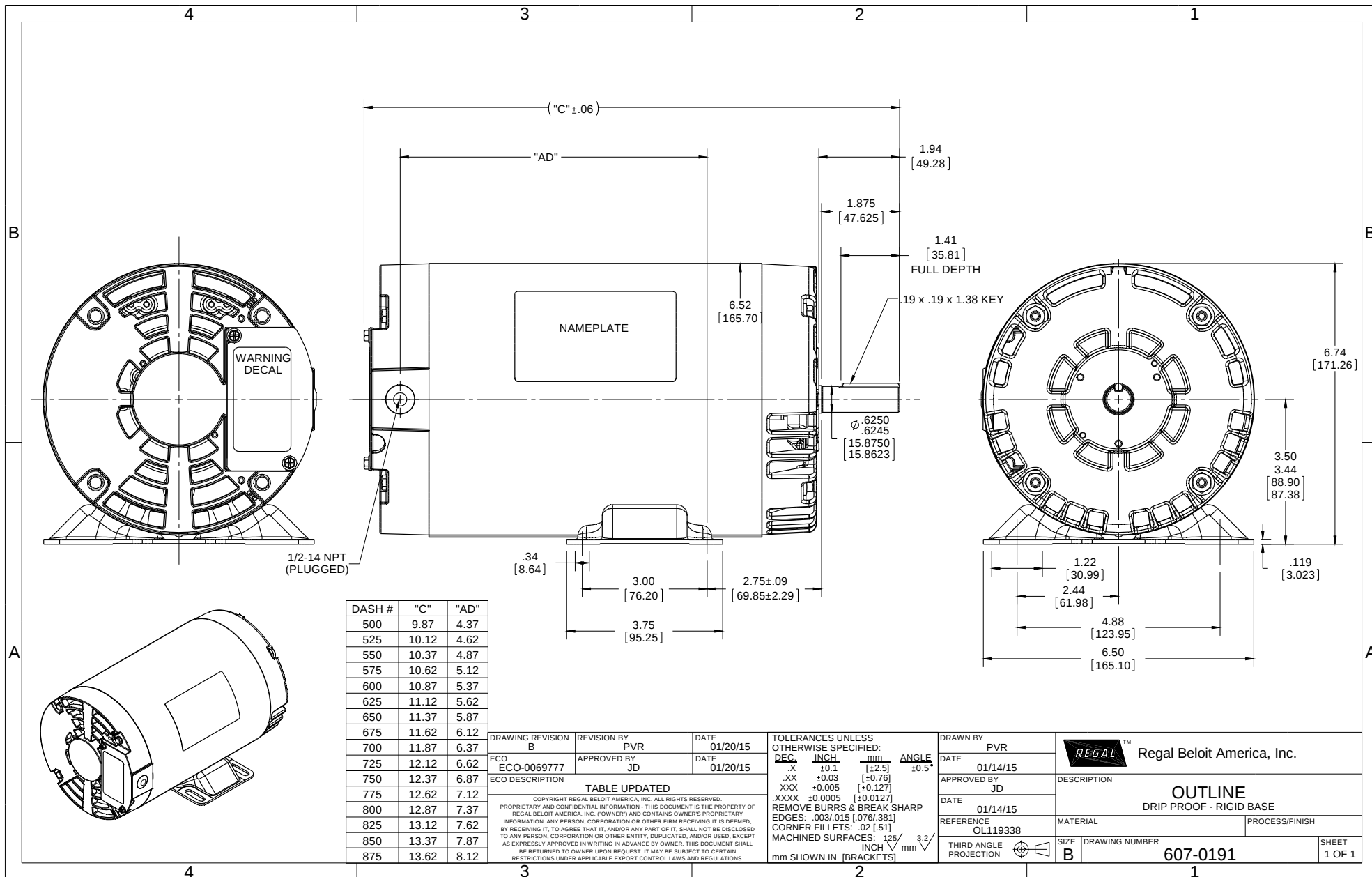


Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	1.8-2.0/1.0 A	Speed	1725 rpm
Service Factor	1.25	Phase	3
Efficiency	78.2 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	56
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		

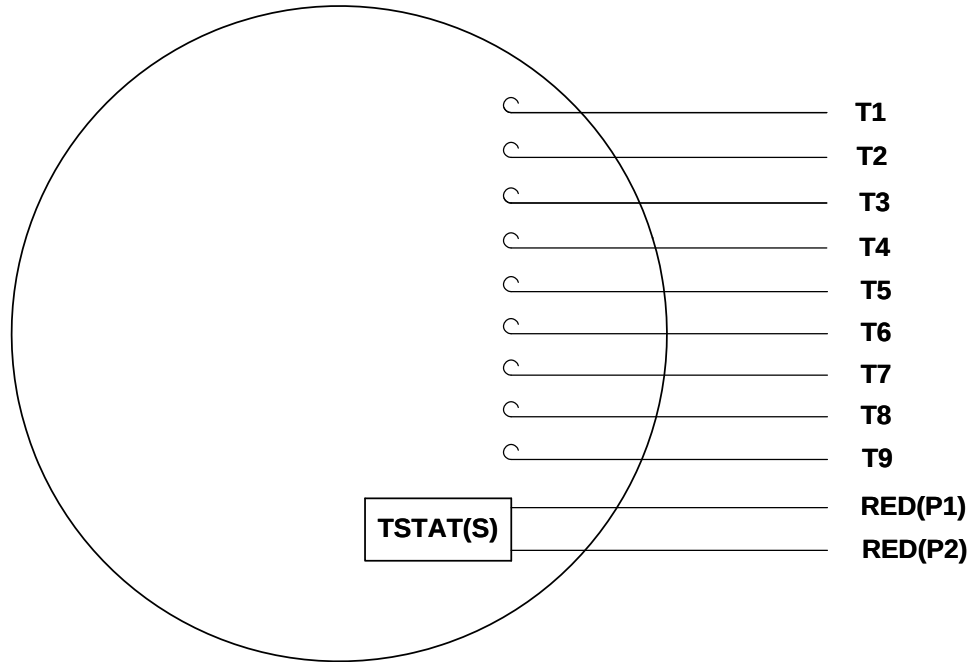
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	9.87 in	Frame Length	5.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	607-0191-500	Connection Diagram	005010.20

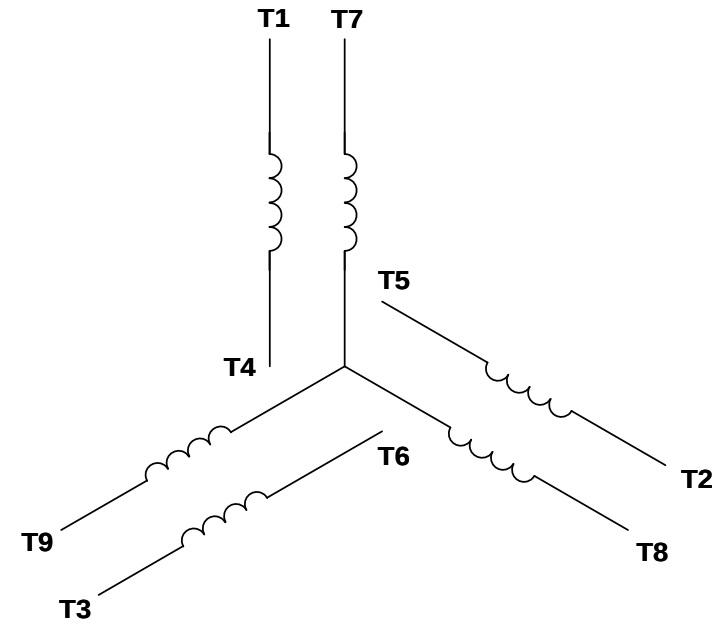


VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

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 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	



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005010.20
OUTLINE: 607-0191-500
WINDING: T634467

DR 3

CAT #: E119351.00

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
0.5	0.37	1800	1759	56	DP	NA	N	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	1.85/.9382/1	LINE OR INVERTER	CONT	F	1.15	40	3300
F.L. EFF	79.6	3/4 LD EFF	77.2	1/2 LD EFF	72.5	GTD EFF	ELECT. TYPE		
F.L. PF	62.9	3/4 LD PF	53.6	1/2 LD PF	41.4	0.0	SQ CAGE INVERTED		
F.L. TORQUE	LR AMPS @ 460 V			L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
382 LB-FT	6.7			1.333 LB-FT	349%	1.751 LB-FT	458%	21	
PRESSURE @ 3		POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT		
0 DBA	9 DBA	0.05 LB-FT²	0 LB-FT²	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		
STANDARD	STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	IN - LEESON WATTS		
BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL			
									DE	ODE
									BALL	BALL
6203	MULTEMP SRL	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL				
THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	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				
0	0	0	0	0	0.150	ODE				

Data Sheet

Date: 1/19/2018

E119351.00



Data @ 460 V

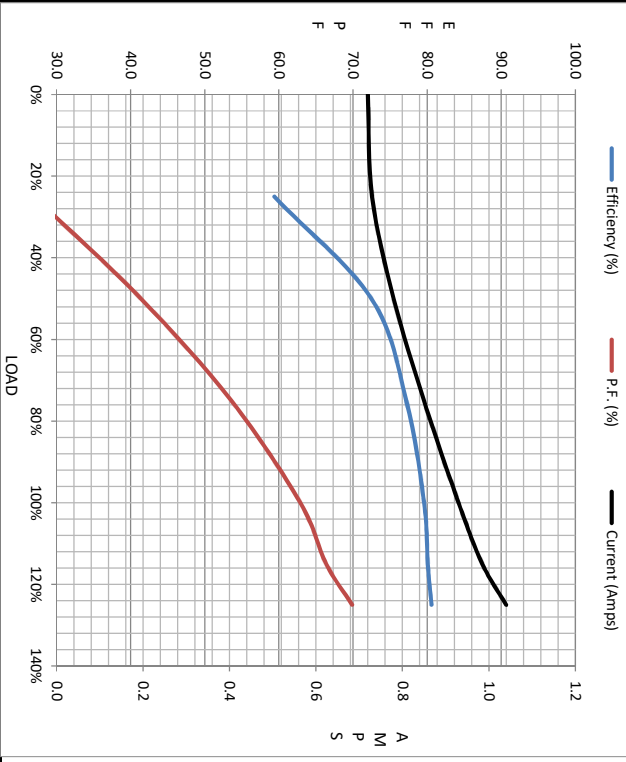
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	0.72	0.73	0.78	0.85	0.93	0.99	1.04	6.7
Torque (ft-lb)	0.00	94.1	188	285	382	6,902	481	1,333
RPM	1800	1790	1780	1770	1759	1,754	1746	0
Efficiency (%)		59.4	72.5	77.2	79.6	80.1	80.6	
P.F. (%)	13.4	27.0	41.4	53.6	62.9	66.4	69.9	0.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	142	1226	1759	1800
Current (Amps)	6.7	6.6	4.7	0.93	0.72
Torque (ft-lb)	1,333	1,348	1,751	382	0.00

Information Block	
HP	0.5
Sync. RPM	1800
Frame	56
Enclosure	DP
Construction	NA
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	N
Service Factor	1.15
Temp Rise @ FL	21 °C
Duty	CONT
Ambient	40 °C
Elevation	1,000 feet
Rotor/Shaft wk ²	0.05 lb-Ft ²
Ret Wdg	T634467 DR
Sound Pressure @ 1M	0 dBA
VFD Rating	CONSTANT 10:1
Outline Dwg	607-0191-500
Conn. Diag	005010.20
Additional Specifications:	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	
0	



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HP	0.5
Sync. RPM	1800
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Ret Wdg	T634467 DR
Sound Pressure @ 1M	0 dBA
VFD Rating	CONSTANT 10:1
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Additional Specifications:	
EQUIV CKT (OHMS / PHASE)	
R1	R2
0.0000	0.0000
X1	X2
0.0000	0.0000
Xm	
0	

Speed -Torque Curve

