

PRODUCT INFORMATION PACKET



Model No: C6T17FB161A

Catalog No: 117760.00

..1HP..1760/1750RPM.56.TEFC.230/460V.3PH.60/50HZ.CONT.40C.1.25SF.RIGID.C6T17FB161.....FARM
DUTY.NONE.....

Agricultural



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Nameplate Specifications

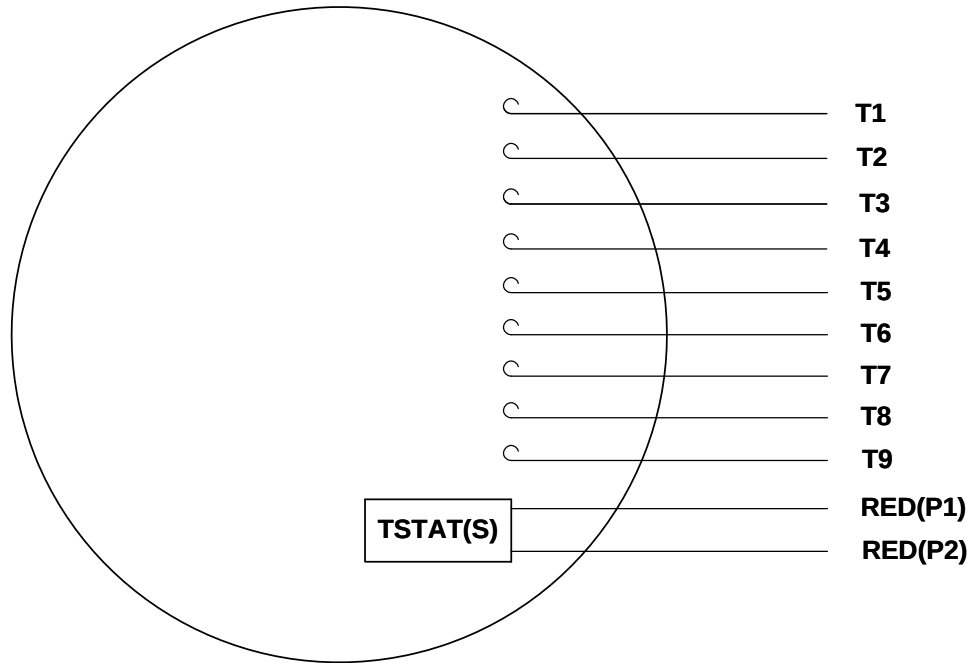
Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/460 V
Current	3.2/1.6 A	Speed	1760 rpm
Service Factor	1.25	Phase	3
Efficiency	85.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	56
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	43		

Technical Specifications

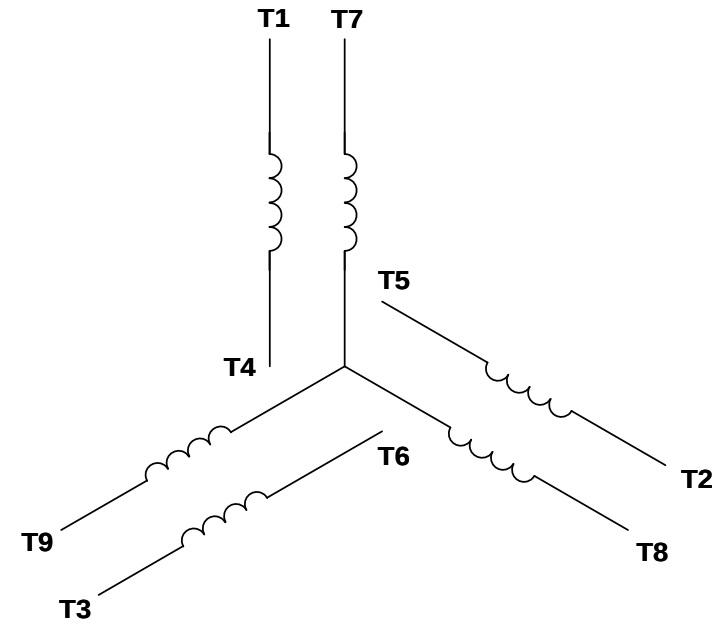
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	12.48 in	Frame Length	7.00 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	029067-700	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

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: 029032-700
WINDING: T634342

FR 3

CAT #: 117760.00

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN	
1	0.75	1800	1760	56	TEFC	TFR	N	B	
PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	3.1/1.55&3.5/1.75	ACROSS THE LINE	CONT	F	1.15	40	3300
F.L. EFF		85.5	3/4 LD EFF	85.4	1/2 LD EFF		79.6	GTD EFF	ELECT. TYPE
F.L. PF		68.5	3/4 LD PF	61.5	1/2 LD PF		51.5	0.0	SQ CAGE IND RUN
F.L. TORQUE		LR AMPS @ 460 V		L.R. TORQUE		B.D. TORQUE		F.L. RISE (°C)	
3.0	LB-FT	14.0		12.0 LB-FT		15.8 LB-FT		527% 38	
PRESSURE @ 3		POWER		ROTOR WK²		MAX. LOAD WK²		SAFE STALL TIME	
65	dBA	74 dBA		0.12 LB-FT²		0 LB-FT²		10 SEC.	
								STARTS/HOUR	
								0	
								MOTOR WGT	
								0 LB.	

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE		ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIIP COVER	SCREENS	PAINT
STANDARD		STANDARD	RIGID	HORIZONTAL	NO	NONE	NO	NONE	GREEN (ENAMEL)
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL	
DE	ODE								
BALL 6203	BALL 6203								
		POLYREX EM	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 ODE			
0	0	0	0	0	0.080				

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

Data Sheet

Date: 1/24/2018

117760.00



Data @ 460 V

Motor Load Data

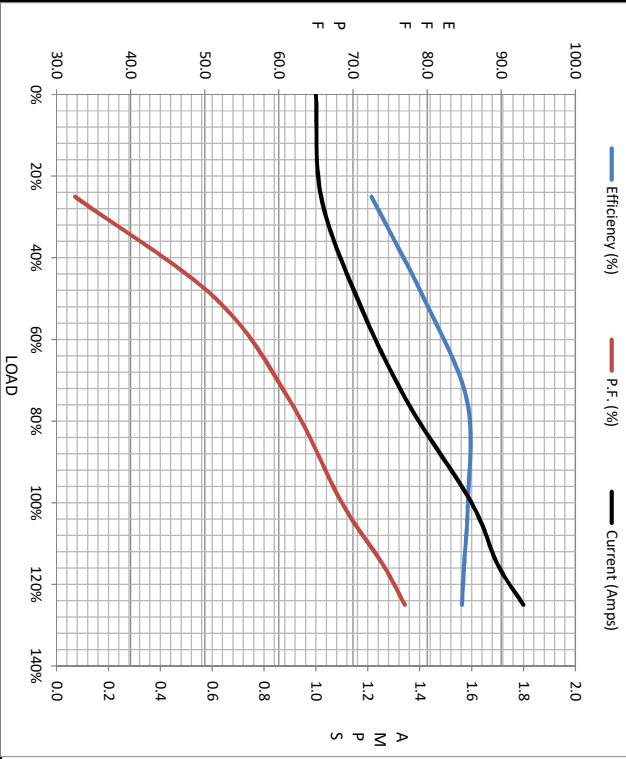
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.00	1.02	1.16	1.35	1.60	1.70	1.80	14.0	
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.5	3.8	12.0	
RPM	1800	1789	1779	1769	1760	1,750	1745	0	
Efficiency (%)		72.5	79.6	85.4	85.5	85.0	84.7		
P.F. (%)	8.0	32.5	51.5	61.5	68.5	74.0	77.0	41.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1170	1760	1800
Current (Amps)	14.0	13.0	9.9	1.60	1.00
Torque (ft-lb)	12.0	11.9	15.8	3.0	0.00

Information Block

HP	1.0			
Sync. RPM	1800			
Frame	140			
Enclosure	TEFC			
Construction	TFR			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	N			
Service Factor	1.15			
Temp Rise @ FL	38 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk²	0.12 Lb-FT²			
Rel Wdg	T634342 FR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	NONE			
Outline Dwg	029032-700			
Conn. Diag	005010.20			
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

