

PRODUCT INFORMATION PACKET



Model No: C213T17FB22A

Catalog No: 141145.00

..7 1/2HP..1800RPM.213T.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....FARM DUTY.....

Agricultural



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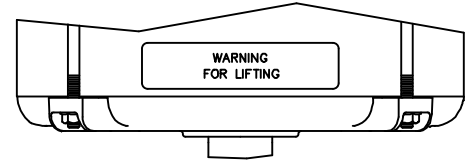
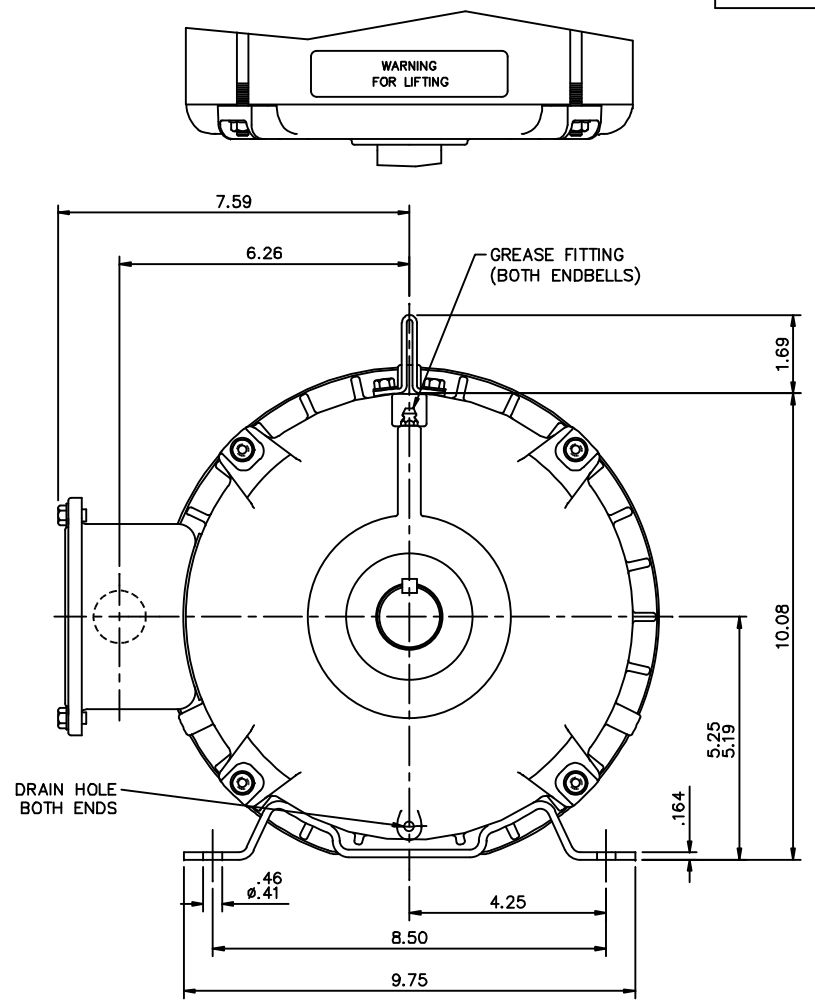
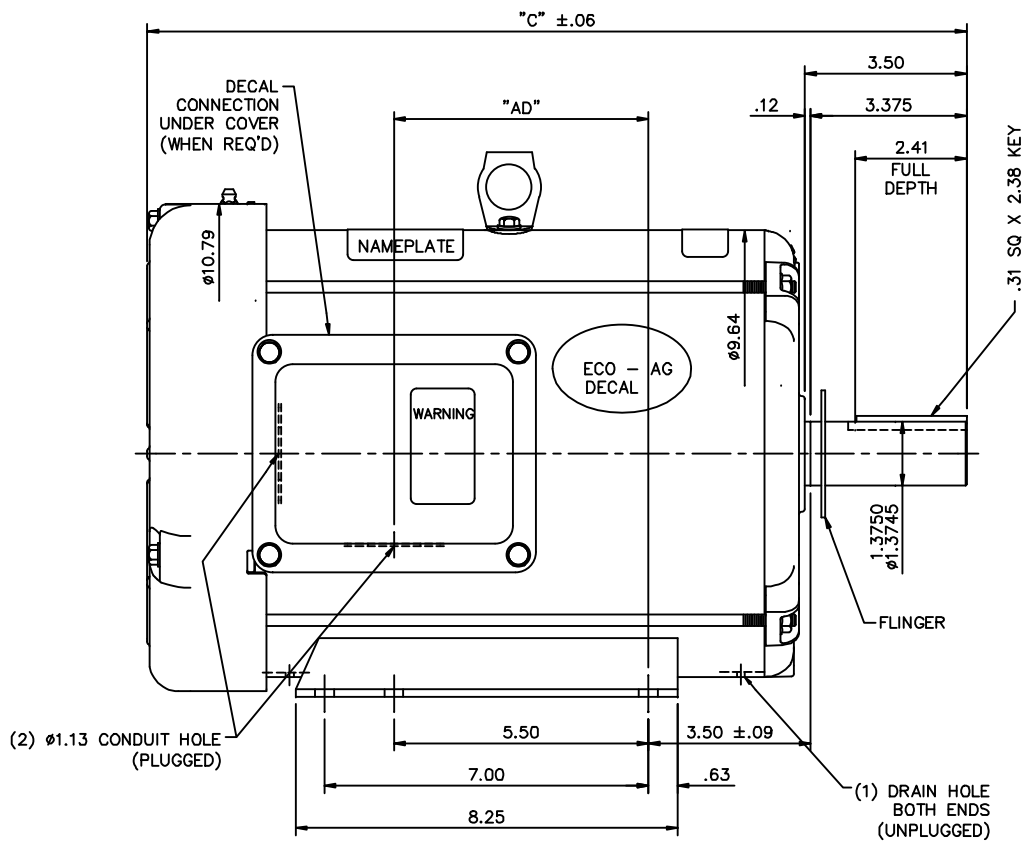


Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230/460 V
Current	21.6/10.8 A	Speed	1765 rpm
Service Factor	1.25	Phase	3
Efficiency	91.7 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	J	Frame	213T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6207
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
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	T
Overall Length	18.70 in	Frame Length	12.00 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	037782-1200	Connection Diagram	005010.20



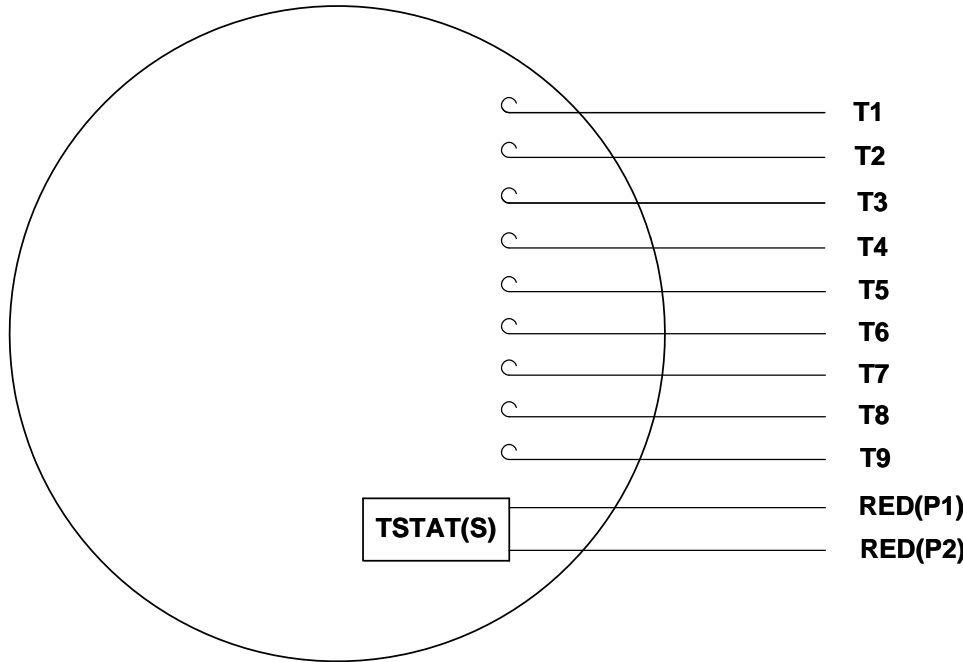
(2) ϕ 1.13 CONDUIT HOLE (PLUGGED)

GASKETS THROUGHOUT

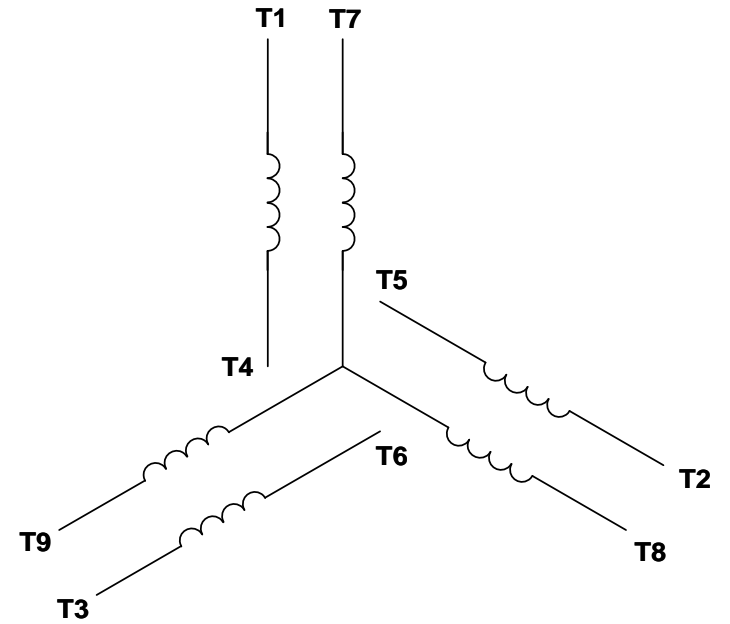
DASH NO.	"C"	"AD"
1050	17.20	5.00
1100	17.70	5.50
1150	18.20	6.00
1200	18.70	6.50
1250	19.20	7.00
1300	19.70	7.50

TOLERANCES UNLESS SPECIFIED		LEESON	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN PVR 08/07/12
DEC.	INCHES			
.X	±.1	TITLE	OUTLINE - 210T FRAME TEFC - RIGID	APPD
.XX	±.03			SCALE 3-B
.XXX	±.005			REF 037626
.XXXX	±.0005			FMF 141146.00
				PREV
NO.	REVISION	BY & DATE	MAT'L FARM DUTY	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP 6/15/05	CAD FILE 037782
			DIST NLV	SIZE B
				DRAWING NO. 037782
				REV.

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

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
THIRD ANGLE PROJECTION	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: 037782-1200
WINDING: T9495

CAT #: 141145.00

FR 3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
7.5	5.6	1800	1770	213T	TEFC	TFW	J	A

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	21.3/10.78248/12.4	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	F.L. PF	3/4 LD EFF	3/4 LD PF	90.4	1/2 LD EFF	88.4	GTD EFF	90.2	ELECT. TYPE
91.7	72.0	3/4 LD EFF	3/4 LD PF	90.4	1/2 LD PF	88.4	90.2	90.2	SO CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	50.0	LB-FT	224%	64.2	LB-FT	288%	43	F.L. RISE (°C)
22.3	LB-FT	73.0	50.0	LB-FT	224%	64.2	LB-FT	288%	43

PRESSURE @ 3	POWER	ROTOR WK²	MAX LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT						
60	DBA	69	DBA	0.97	LB-FT²	1	LB-FT²	15	SEC.	2	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	GREEN (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE BALL 6207	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	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

* N O T E S *	INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE ENCODER: NONE NONE NONE BRAKE: NONE NONE NONE FT-LB: NA VOLTAGE: NONE UL: Y-(LEESON UL REC)
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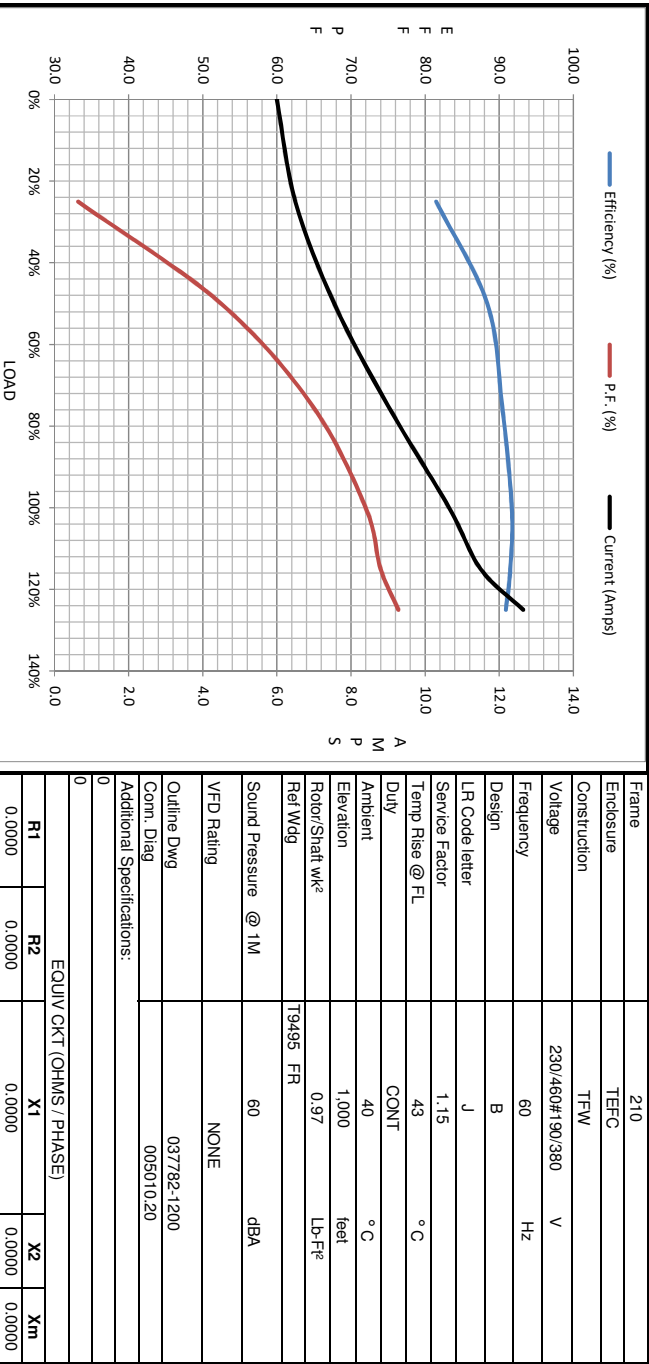
DATE: 1/29/2018

HZ:



Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	6.0	6.5	7.6	9.0	10.7	73.0
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	50.0
RPM	1800	1794	1787	1780	1770	0
Efficiency (%)		81.5	88.4	90.4	91.7	91.5
P.F. (%)	6.2	33.2	52.5	64.8	72.0	74.0

Motor Speed Data						Information Block										
Speed (RPM)	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL
0		900	1700	1770	1800	7.5	1800	210	TEFC	TFW	230/460#190/380	60	B	J	1.15	43
Current (Amps)	73.0	65.0	48.0	10.7	6.0											
Torque (ft-lb)	50.0	43.0	64.2	22.3	0.00											



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	X2
0.0000	0.0000	0.0000	0.0000
Additional Specifications:			
0			
Outline Dwg 037782-1200			
Conn. Diag 005010.20			
VFD Rating NONE			
Sound Pressure @ 1M 60 dBA			
Rotor/Shaft wk ² T9495 FR			
Elevation 1,000 feet			
Ambient 40 °C			
Duty CONT			
Temp Rise @ FL 43 °C			
Service Factor 1.15			
LR Code letter J			
Design B			
Frequency 60 Hz			
Voltage 230/460#190/380 V			
Construction TFW			
Enclosure TEFC			
Frame 210			
Sync. RPM 1800			
HP 7.5			

