PRODUCT INFORMATION PACKET

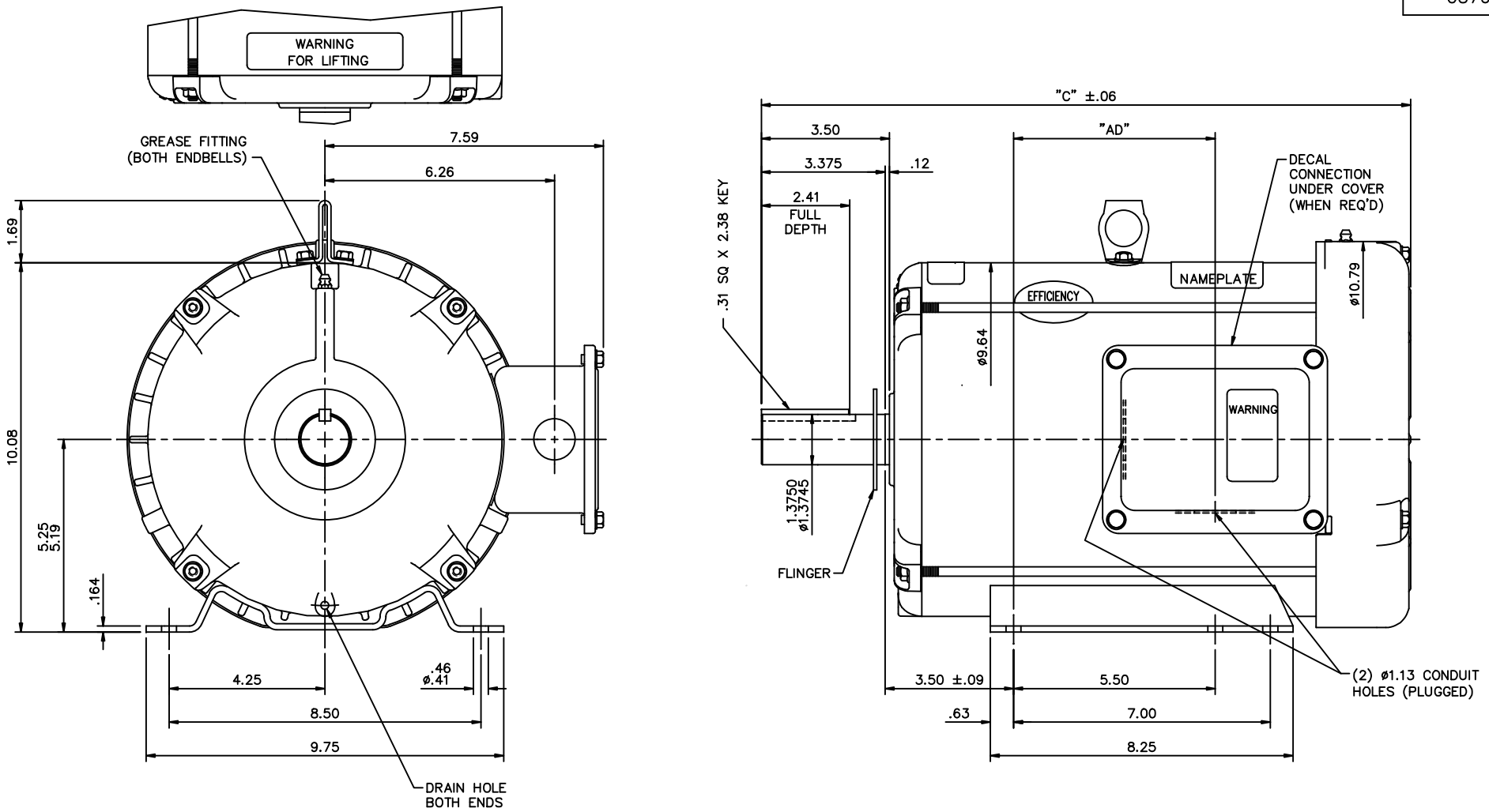
Model No: 140832.00
Catalog No: 140832.00
General Purpose Motor, 7.50 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 213T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	7.50 & 7.50 Hp
Output KW	5.6 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	1765 & 1460 rpm	Service Factor	1.25 & 1.25
Frame	213T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 91 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	21.6/10.8 & 24.8/12.4 A	Power Factor	72
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6207	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.88 Ohms	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	F2/F1 CAPABLE
Outline Drawing	037611-1200	Connection Drawing	005010.20



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

NO.	REVISION	BY & DATE	CHK
01	REV'D CONDUIT HOLES TO PROPER LOCATIONS	BJB 09/16/03	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

LEESON — ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE: OUTLINE – 210T FRAME TEFC – RIGID

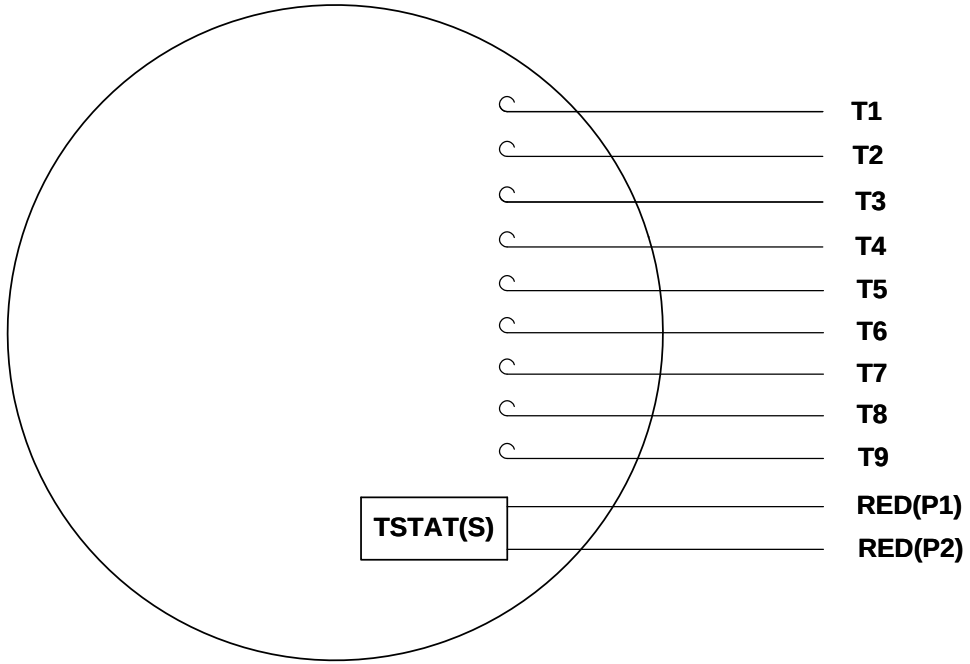
MAT'L. GENERAL PURPOSE – F2 MOUNT

FINISH

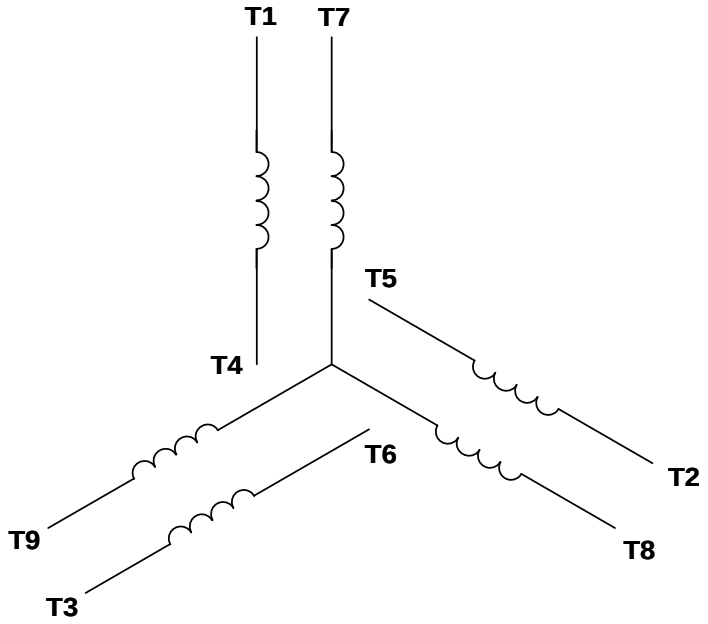
DRAWN RDW 2/28/03 | CHK | APPD SW 2/28/03 | SCALE 3=8 | REF | FMF | PREV

RFP 2/28/03 | DIST NLV | CAD FILE 037611 | SIZE B | DRAWING NO. 037611 | REV. 01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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 INCH / 3.2 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	PROCESS/FINISH
DECAL - 004014 (TSTAT) - 080582	STOCK

SIZE	DRAWING NUMBER	SHEET
A	00501020	1 OF 1

LEESON®

CERTIFICATION DATA SHEET

1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CATALOG #: 140832.00

CONN. DIAGRAM: 005010.20

OUTLINE: 037611-1200

WINDING #: T9495 FR 3 E

MOUNTING: F2/F1 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&7 1/2	5.60&5.60	1800	1765&1460	213T	TEFC	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	21.6/10.8&24.8/12.4	ACROSS THE LINE	CONTINUOUS	F4	1.25/1.25	40

FULL LOAD EFF:	91.7&91	3/4 LOAD EFF:	90.4	1/2 LOAD EFF:	88.4	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	72&64	3/4 LOAD PF:	64.8	1/2 LOAD PF:	52.5	90.2	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.3 LB-FT	146 / 73	50 LB-FT 225 %	64.2 LB-FT 289 %	43

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	0.97 LB-FT^2	1 LB-FT^2	15 SEC.	2	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN - LEESON WATTSAVER

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6207	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

NOTES

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INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

7/20/2018

Data Sheet

Date: 1/19/2018

LEESON

140832.00

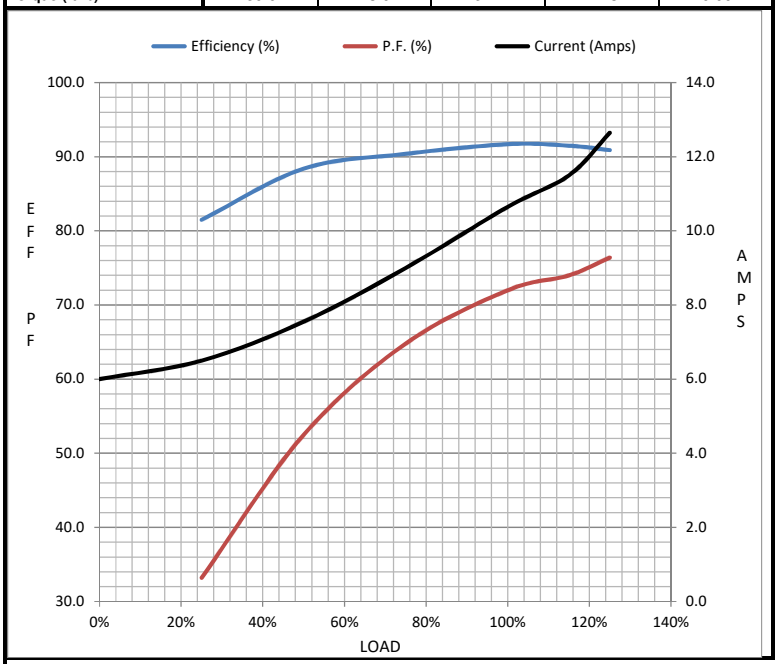
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	6.0	6.5	7.6	9.0	10.7	11.5	12.7	73.0	
Torque (ft-lb)	0.00	5.5	11.0	16.6	22.3	24.5	27.9	50.0	
RPM	1800	1794	1787	1780	1770	1,768	1765	0	
Efficiency (%)		81.5	88.4	90.4	91.7	91.5	90.9		
P.F. (%)	6.2	33.2	52.5	64.8	72.0	74.0	76.4	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1700	1770	1800
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



Information Block

HP	7.5	
Sync. RPM	1800	
Frame	210	
Enclosure	TEFC	
Construction	TFW	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	43	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.97	Lb-Ft²
Ref Wdg	T9495 FR	
Sound Pressure @ 1M	60	dBA
VFD Rating	NONE	
Outline Dwg	037611-1200	
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