PRODUCT INFORMATION PACKET

Model No: 132476.00
Catalog No: 132476.00
Brake Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 184T Frame, TEFC

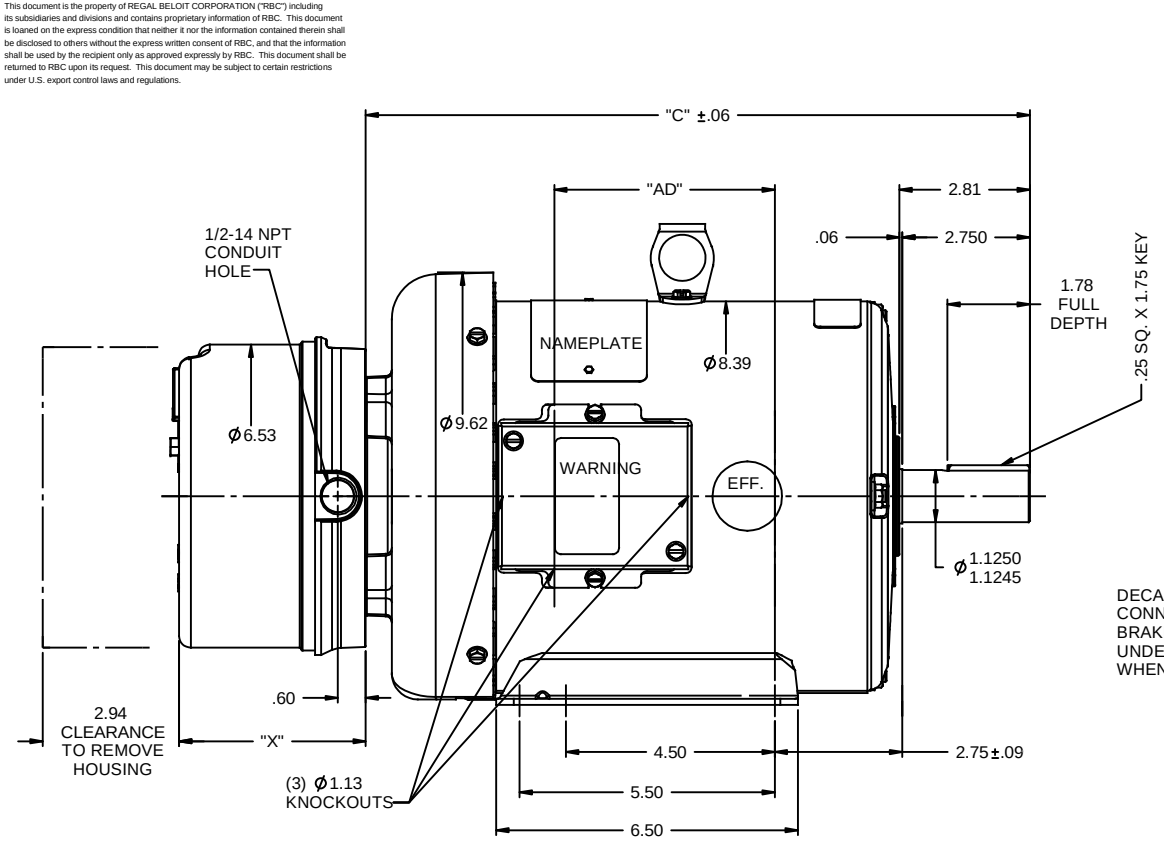
RegalRexnord

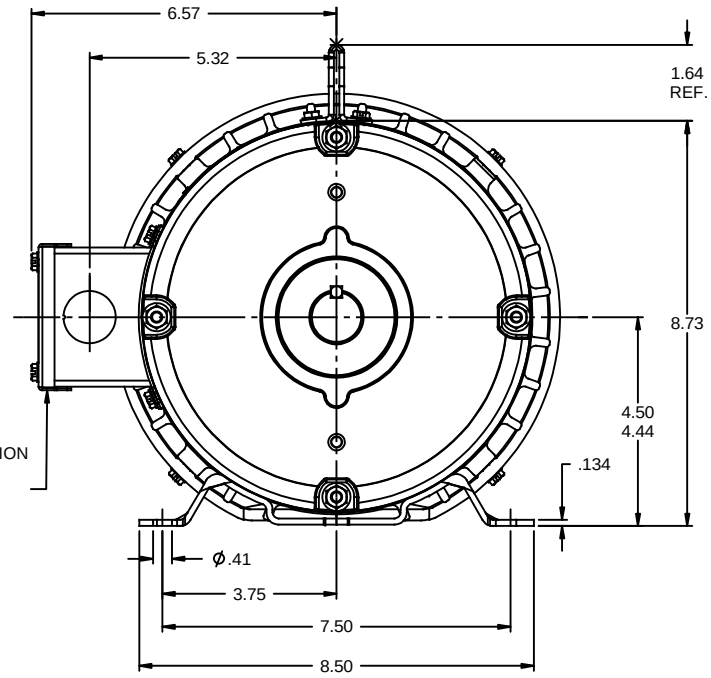
Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	12.6/6.3 A	Speed	1760 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	184T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

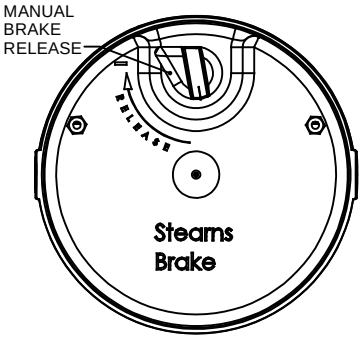
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	2.68 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	15.82 in
Frame Length	9.50 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005010.15	Outline Drawing	035517-950





DASH NO.	"C"	"AD"
800	14.32	4.75
850	14.82	5.25
900	15.32	5.75
950	15.82	6.25
1000	16.32	6.75
1050	16.82	7.25
1100	17.32	7.75
1150	17.82	8.25



BRAKE HOUSING

BRAKE TORQUE	"X"
15 FT-LB	4.00
20 FT-LB	4.46
25 FT-LB	4.46

GASKETS THROUGHOUT
MINIMUM FRAME LENGTH SHOULD BE 8.00"

NO	REVISION	BY & DATE	CHK
-	REDRAWN ON SOLIDWORKS	LST 11/9/2009	XX

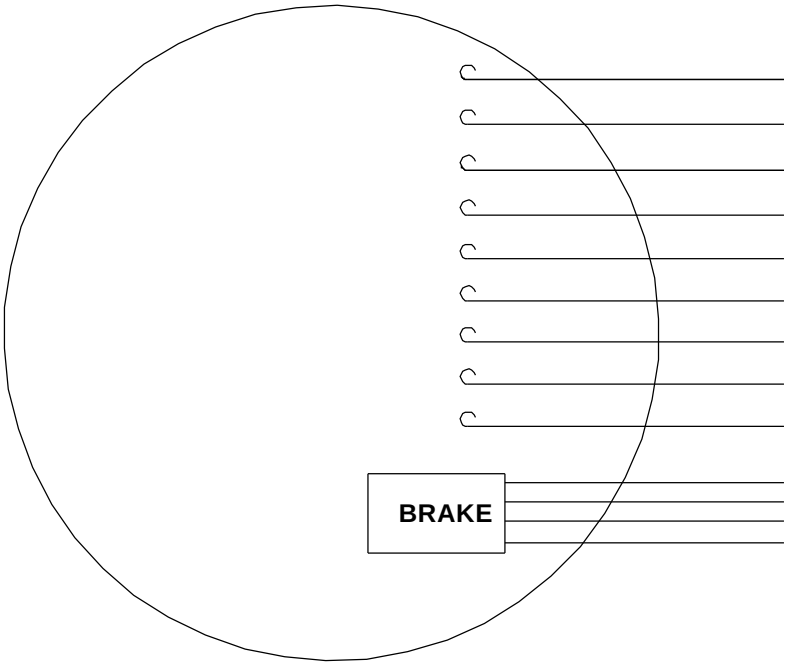
TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.03
.XXX ±.005
.XXXX ±.0005
ANG ±1/2°

REGAL-BELOIT CORPORATION

DRAWN RDW 4/18/07
CHK
APPR SW 4/18/07
TITLE OUTLINE - 180T FRAME
TEFC- RIGID
SCALE 3:8
REF OL131613
MAT'L BRAKE MOTOR
FMF
FINISH
PAGE OF

THIRD ANGLE PROJECTION
RFP
PREV
NETWORK FILE NAME
SIZE B
DRAWING NO 035517
REV -

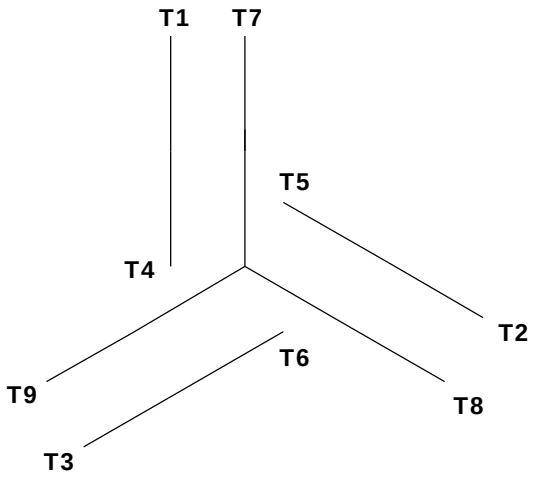
VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



CAUTION:
LEAD WIRE INSULATION TO EXTEND MINIMUM OF 1/4" INTO CONNECTOR INSULATION

SEE TABLE FOR BRAKE CONNECTIONS

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

REF. DECAL (MOTOR) - 004014
REF. DECAL (BRAKE) - 080034 (STEARNS & DINGS BRAKE)

TYPE "T" W/O PROTECTOR

VOLTAGE	BRAKE CONNECTION					
	STERNS BRAKE			DINGS BRAKE		
	L1	L2	Join	L1	L2	Join
HIGH	1(RED)	2(RED)	3(BLACK) 4(BLACK)	2(BLACK)	4(YELLOW)	1(YELLOW) 3(BLACK)
LOW	1(RED) 3(BLACK)	2(RED) 4(BLACK	----------	2(BLACK) 3(BLACK)	1(YELLOW) 4(YELLOW)	----------

NO	REVISION	BY & DATE	CHK
--	REDRAWN IN SOLIDWORKS	VJB 02/08/11	
01	ADDED DINGS AND BRAKE TABLE (PER CN114156)	TMZ 11/12/96	

TOLERANCES UNLESS SPECIFIED
DEC INCHES
.X ±.1
.XX ±.01
.XXX ±.005
.XXXX ±.0005
ANG ±1/2°

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE EXTERNAL WIRING DIAGRAM
STANDARD 3 PHASE - DUAL VOLTAGE
MAT'L W/STEARNS OR DINGS DUAL VOLTAGE BRAKE CONN.
FINISH LEESON STOCK

DRAWN JJK 09/17/96
CHK
APPR
SCALE 1:1
REF 005010-01
FMF
PAGE OF

THIRD ANGLE PROJECTION

RFP
PREV
NETWORK FILE NAME 00501015

SIZE A
DRAWING NO 005010-15
REV --

LEESON

CERTIFICATION DATA SHEET

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

CATALOG #: 132476.00

CONN. DIAGRAM: 005010.15
OUTLINE: 035517-950
WINDING #: T84170 FR 3

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
5	3.70	1800	1760	184T	TEFC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	230/460	12.6/6.3	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	89.5	3/4 LOAD EFF:	90.2	1/2 LOAD EFF:	88.9	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	83	3/4 LOAD PF:	79.4	1/2 LOAD PF:	70.9	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.96 LB-FT	98 / 49	30.1 LB-FT 201 %	50.2 LB-FT 336 %	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.485 LB-FT^2	0 LB-FT^2	10 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	BRAKE	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
6206	6205						

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

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: REGAL SUPPLIED AND MOUNT NONE
STEARNS P/N 004225.61
56,000 NEMA 2
25 FT-LB 230/460-190/380 V 60/50 Hz

NOTES

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Data Sheet

Date: 1/23/2018

LEESON

132476.00

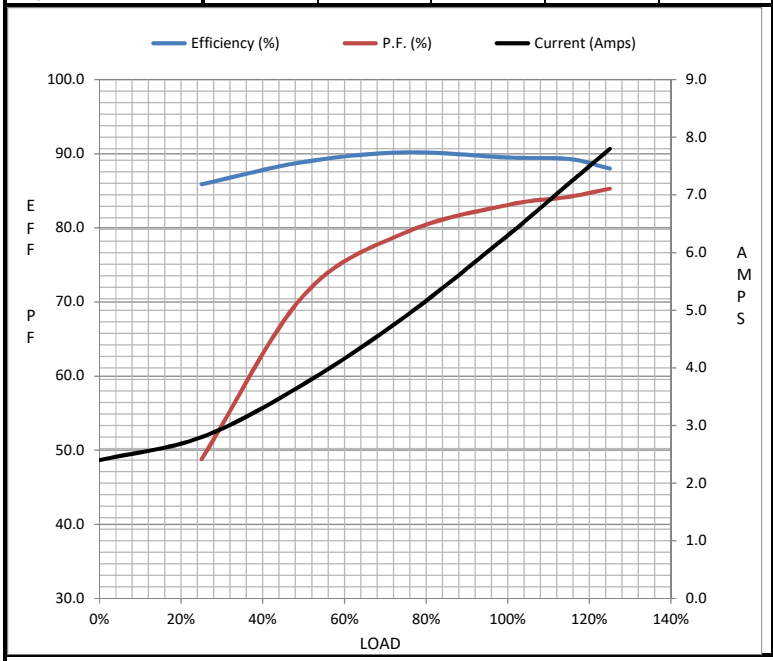
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.40	2.80	3.7	4.9	6.3	7.2	7.8	49.0	
Torque (ft-lb)	0.00	3.7	7.4	11.1	15.0	17.4	18.8	30.1	
RPM	1800	1790	1779	1768	1760	1,747	1742	0	
Efficiency (%)		85.9	88.9	90.2	89.5	89.3	88.0		
P.F. (%)	6.8	48.8	70.9	79.4	83.1	84.2	85.3	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1656	1760	1800
Current (Amps)	49.0	45.1	29.4	6.3	2.40
Torque (ft-lb)	30.1	29.8	50.2	15.0	0.00



Information Block

HP	5.0	
Sync. RPM	1800	
Frame	184	
Enclosure	TEFC	
Construction	TFW	
Voltage	230/460	V
Frequency	60	Hz
Design	B	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	65	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.49	Lb-Ft²
Ref Wdg	T84170 FR	
Sound Pressure @ 1M	55	dBA
VFD Rating	NONE	
Outline Dwg	035517-950	
Conn. Diag	005010.15	
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