PRODUCT INFORMATION PACKET

Model No: 111148.00
Catalog No: 111148.00
Condenser Fan Motor, 1.50 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 56Y Frame, DPAO

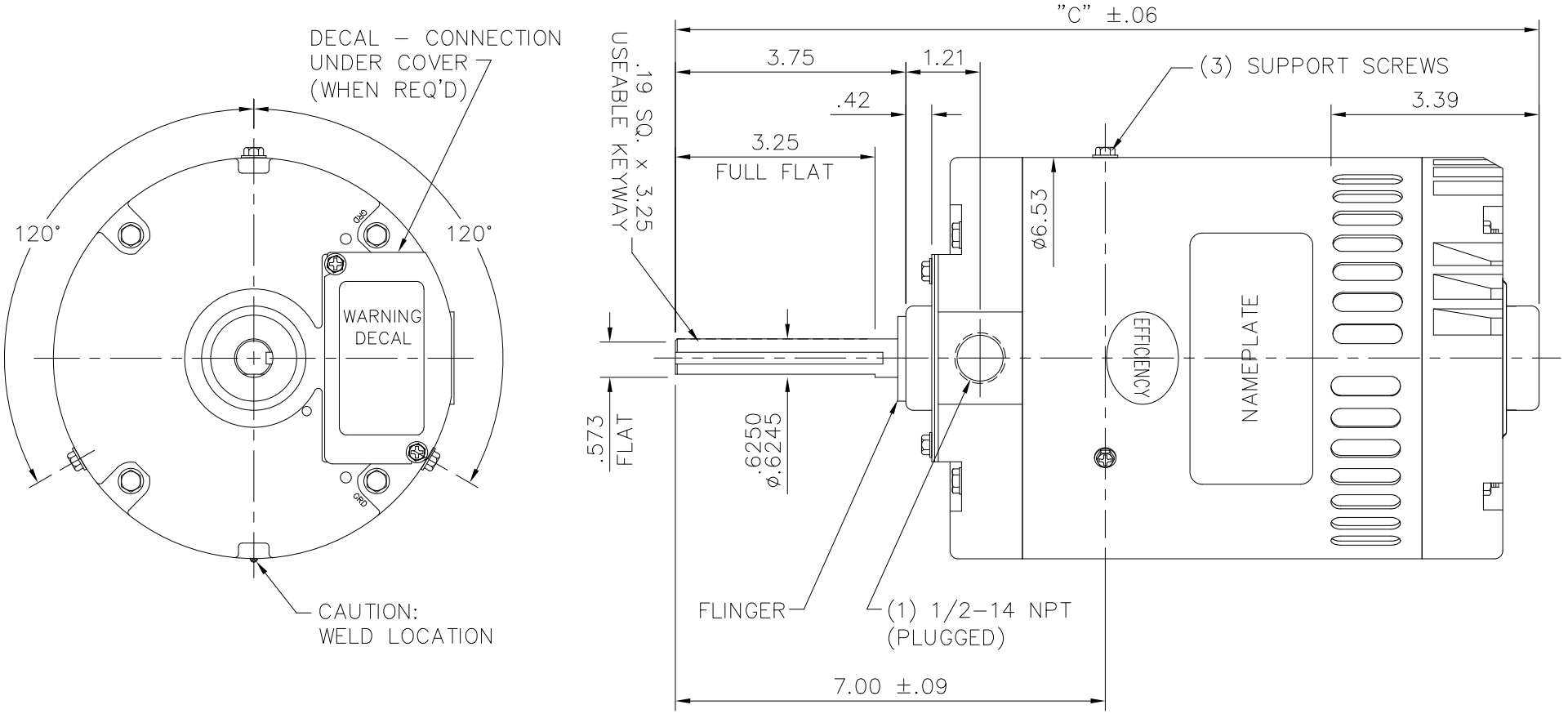
Operational at 208-230/460 V @60HZ

Nameplate Specifications

Phase	3	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	230/460 V
Speed	1140 rpm	Service Factor	1.15
Frame	56Y	Enclosure	Drip Proof Air Over
Thermal Protection	Automatic	Efficiency	79 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	5.6/2.8 A	Power Factor	68
Duty	Continuous	Insulation Class	B
Design Code	B	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Round Belly Band
Motor Orientation	Shaft Up	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	15.06 in
Frame Length	7.50 in	Shaft Diameter	0.625 in
Shaft Extension	3.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005020.01	Outline Drawing	028556-750



DASH NO.	"C"
500	12.56
550	13.06
600	13.56
650	14.06
700	14.56
750	15.06

GASKETS THROUGHOUT

NO.	REVISION	BY & DATE	CHK
04	UPDATED NP METAL TO MYLAR AS PER ECR–0221560	PP 10/17/22	PP
03	CHANGED SCREW VIEWS AS PER ISAAC: 08–3954	VS 9/4/08	
	WITH EFFECTIVE FROM 09/08/08		
02	ROTATED MOTOR TO SHOW WELD AT 6:00 ECR 92729	ARV 10/26/07	
01	ADDED "CAUTION: WELD LOCATION" NOTE PER MFG	BJB 04/19/04	

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

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

DRAWN	BJB 06/20/03
CHK	
APPD	
SCALE	3=8
REF	
FMF	
PREV	

TITLE: OUTLINE – 56 FRAME OPEN DRIP PROOF – BELLY BAND

MAT'L.: CONDENSER FAN

FINISH:

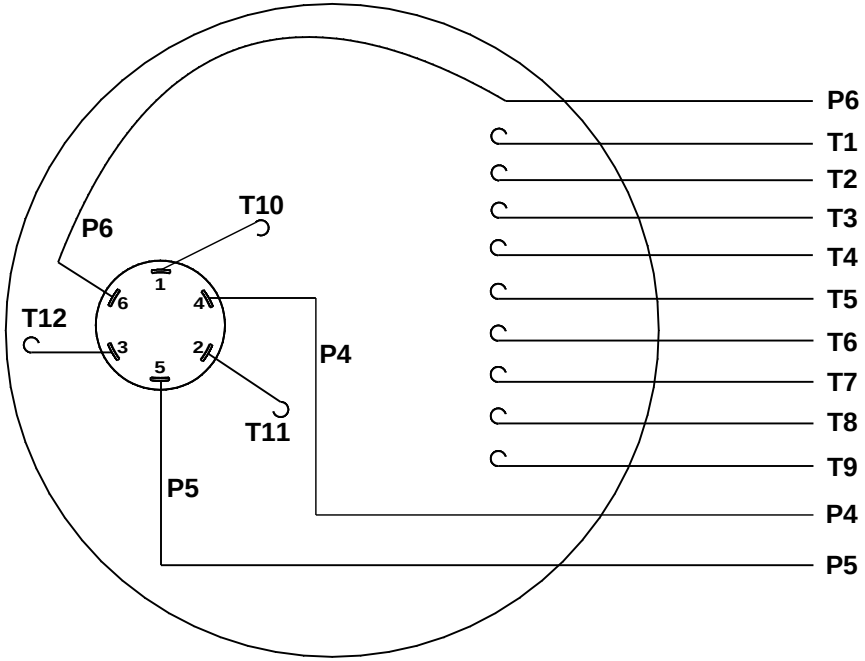
RFP

DIST BRF–NLV

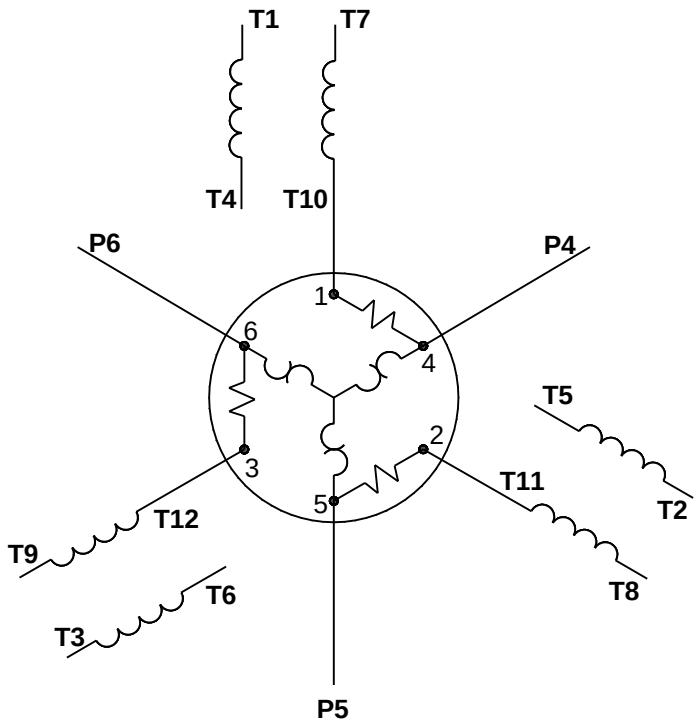
CAD FILE 028556

SIZE	DRAWING NO.	REV.
A	028556	04

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN	SEPARATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)	(P4), (P5), (P6)
LOW	T1,T7	T2,T8	T3,T9	(T4,P4) (T5,P5) (T6,P6)	

DRAWING REVISION: D	REVISION BY: SM	DATE: 9/26/2016
ECO: ECO-0109970	APPROVED BY: SM	DATE: 9/26/2016

ECO DESCRIPTION: UPDATED TO NEW TEMPLATE

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: ADH 02/25/74	
DATE	
APPROVED BY: JCW 03/11/74	
DATE	
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

DESCRIPTION: CONN DIAGRAM-EXTERNAL
TYPE "T" W/PROTECTOR

MATERIAL	PROCESS/FINISH
DECAL - 004023	ECO LAB

SIZE	DRAWING NUMBER	SHEET
A	00502001	1 OF 1

LEESON

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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005020.01

CATALOG #: 111148.00

OUTLINE: 028556-750

MOUNTING: F1/F2 CAPABLE

WINDING #: T63675 DR 4 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1200	1140	56Y	DPAO	J	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	208-230/460	5.7-5.6/2.8	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	79	3/4 LOAD EFF:	61.2	1/2 LOAD EFF:	76	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	68	3/4 LOAD PF:	67.4	1/2 LOAD PF:	40.1	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.8 LB-FT	30 / 15	16.5 LB-FT 243 %	21 LB-FT 309 %	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.16 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	ROUND BELLY BAND	SHAFT UP	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	SGL SPL EXT	NO EXTENSION	0.625 x 3.75 IN SEKF WITH 3.25 IN FULL FLAT	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

*

N

O

T

E

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

Data Sheet

Date: 1/24/2018

111148.00

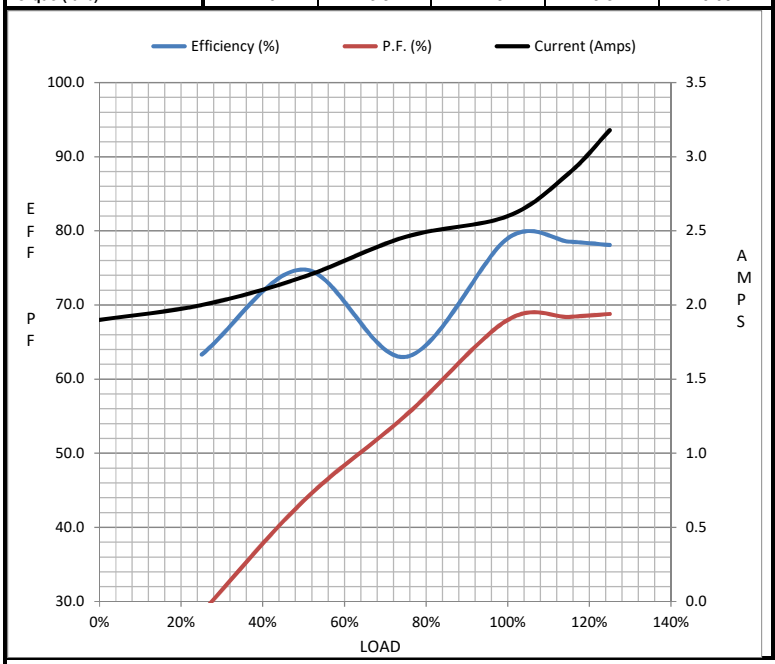
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.90	2.00	2.19	2.46	2.60	2.89	3.2	15.0	
Torque (ft-lb)	0.00	1.70	3.4	4.1	6.8	7.6	8.4	17.0	
RPM	1200	1189	1178	1167	1151	1,147	1140	0	
Efficiency (%)		63.3	74.8	63.0	79.0	78.6	78.1		
P.F. (%)	9.9	28.5	43.6	55.1	68.0	68.4	68.8	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	100	800	1151	1200
Current (Amps)	15.0	13.8	9.0	2.60	1.90
Torque (ft-lb)	17.0	16.5	21.5	6.8	0.00



Information Block

HP	1.5	
Sync. RPM	1200	
Frame	140	
Enclosure	DP	
Construction	NA	
Voltage	208-230/460	V
Frequency	60	Hz
Design	B	
LR Code letter	J	
Service Factor	1.15	
Temp Rise @ FL	0	° C
Duty	AIROVER	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.16	Lb-Ft²
Ref Wdg	T63675 DR	
Sound Pressure @ 1M	999	dBA
VFD Rating	NONE	
Outline Dwg	028556-750	
Conn. Diag	005020.01	

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