PRODUCT INFORMATION PACKET

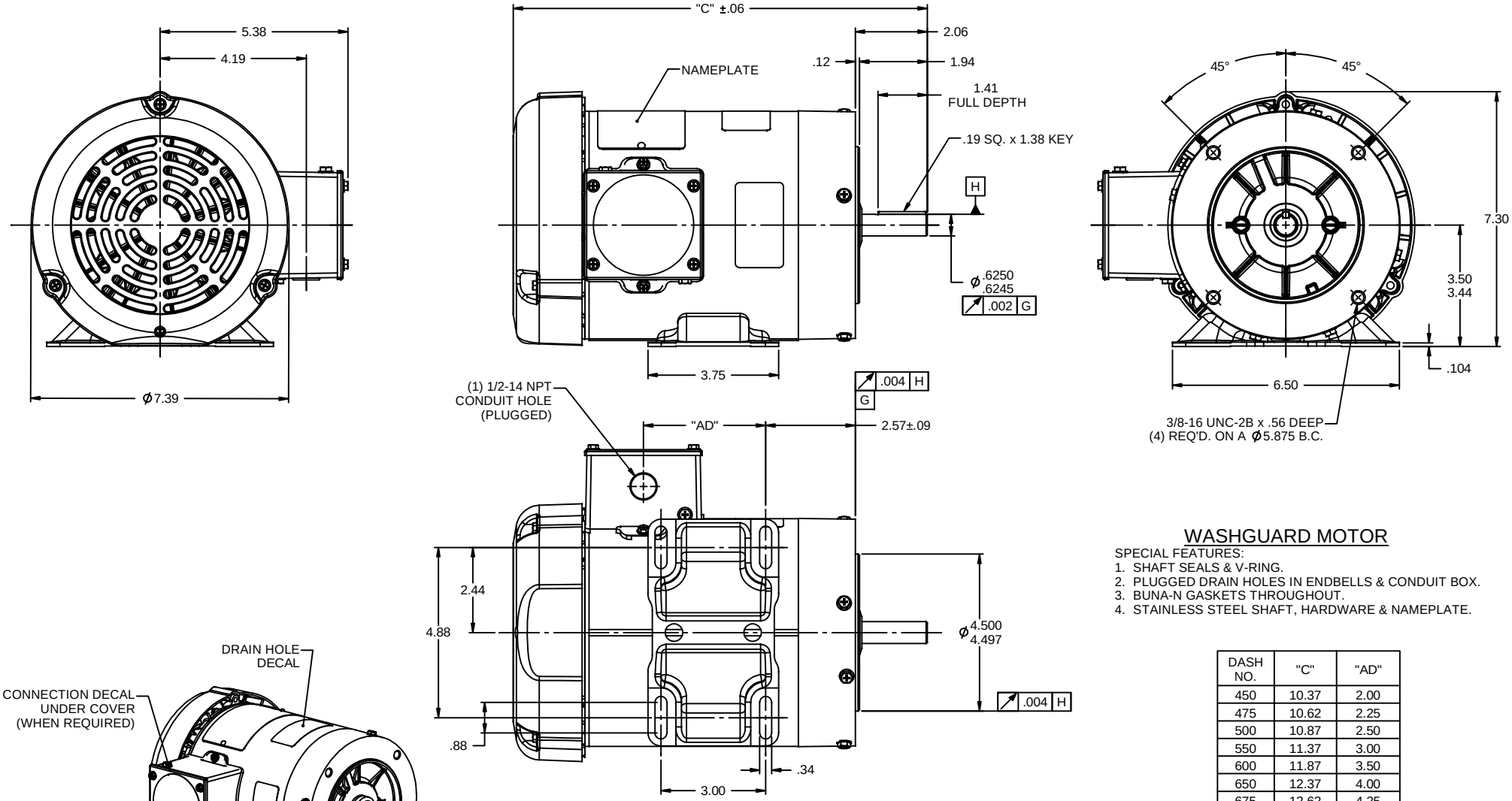
Model No: 112484.00
Catalog No: 112484.00
0.75 HP Washdown Motor, 3 phase, 1800 RPM, 575 V, 56C Frame, TEFC
White Epoxy 575 Volts Motors

Nameplate Specifications

Output HP	**0.75 Hp**	Output KW	**0.56 kW**
Frequency	**60 Hz**	Voltage	**575 V**
Current	**1.1 A**	Speed	**1725 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**77 %**	Power Factor	**65**
Duty	**Continuous**	Insulation Class	**F**
Design Code	**B**	KVA Code	**K**
Frame	**56C**	Enclosure	**Totally Enclosed Fan Cooled**
Thermal Protection	**No**	Ambient Temperature	**40 °C**
Drive End Bearing Size	**6205**	Opp Drive End Bearing Size	**6203**
UL	**Recognized**	CSA	**Y**
CE	**N**	IP Code	**55**

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**0 Ohms**	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	**10.87 in**
Frame Length	**5.00 in**	Shaft Diameter	**0.625 in**
Shaft Extension	**1.88 in**	Assembly/Box Mounting	**F1 ONLY**
Connection Drawing	**005102.01**	Outline Drawing	**607-0002-500**



WASHGUARD MOTOR

SPECIAL FEATURES:

1. SHAFT SEALS & V-RING.
2. PLUGGED DRAIN HOLES IN ENDBELLS & CONDUIT BOX.
3. BUNA-N GASKETS THROUGHOUT.
4. STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE.

DASH NO.	"C"	"AD"
450	10.37	2.00
475	10.62	2.25
500	10.87	2.50
550	11.37	3.00
600	11.87	3.50
650	12.37	4.00
675	12.62	4.25

NO	REVISION	BY & DATE	CHK

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

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE OUTLINE - 56C FRAME
TEFC - RIGID "C" FACE
MAT'L WASHGUARD
FINISH

DRAWN PG 02/01/11
CHK
APPR
SCALE 3:8
REF 028785
FMF 112429.00
PAGE OF

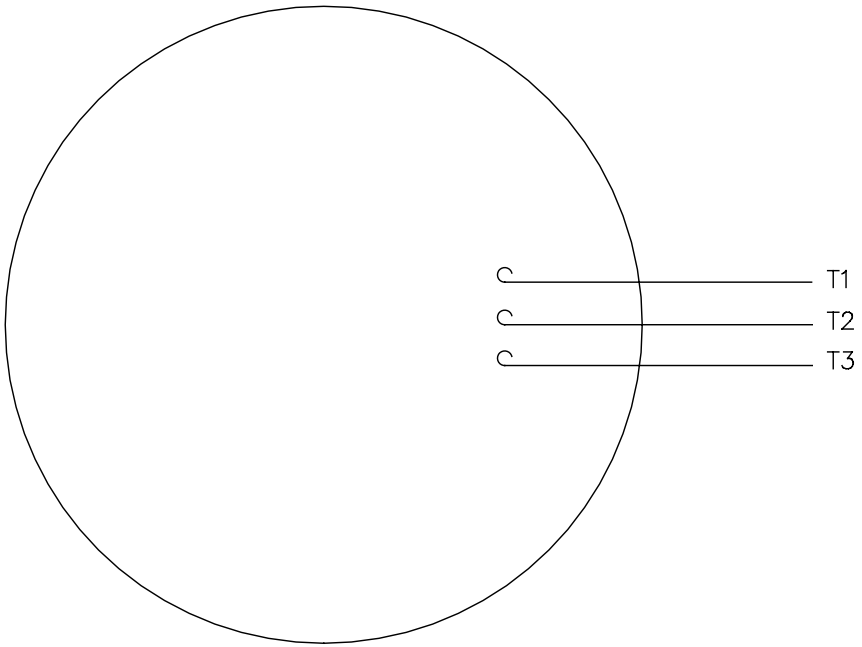
THIRD ANGLE PROJECTION

RFP
PREV
NETWORK FILE NAME 607-0002

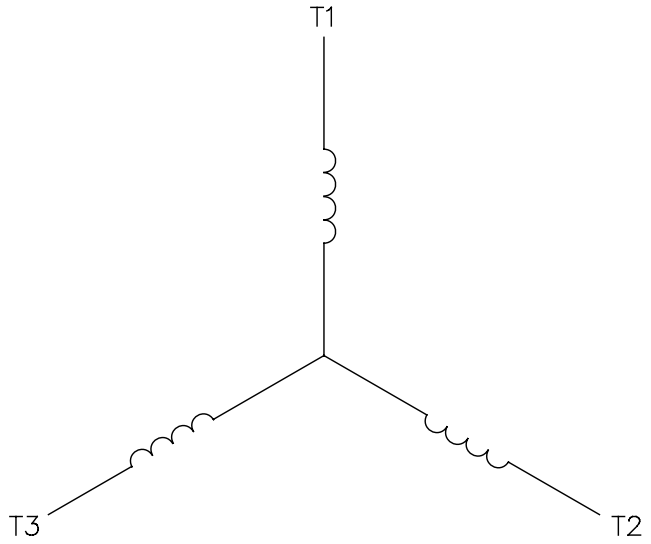
SIZE B
DRAWING NO 607-0002
REV

005102–01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



CONNECT LEADS AS FOLLOWS
FOR FOUR CONDUCTOR CORD ( )

CORD	L1 (RED)	L2 (WHITE)	L3 (BLACK)	(GREEN)
MOTOR	T1	T2	T3	GROUND

NO.	REVISION	BY & DATE	CHK
08	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY
07	UPDATED TO CURRENT STANDARDS	DBT 5/30/97	
06	REDRAWN ON CAD; ADDED DECAL NUMBER	SAW 1/24/95	

TOLERANCES UNLESS SPECIFIED

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

REGAL™ Regal Beloit America, Inc.

TITLE: EXTERNAL WIRING DIAGRAM
TYPE "T" W/O PROTECTOR

MAT'L. DECAL – 004169

FINISH

CAD FILE 00510201

RFP 5/1/02

DIST BRF–NLV

DRAWN	JRW 9/11/75
CHK	
APPD	JCW 9/11/75
SCALE	1=1
REF	W–T6343–6
FMF	6T17FB7
PREV	

SIZE A | DRAWING NO. 005102–01 | REV. 08

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

CERTIFICATION DATA SHEET

CATALOG #: 112484.00

CONN. DIAGRAM: 005102.01
OUTLINE: 607-0002-500
WINDING #: T634188 FR 4 A

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	0.56	1800	1725	56C	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	1.12	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	77	3/4 LOAD EFF:	74.7	1/2 LOAD EFF:	70.9	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	65	3/4 LOAD PF:	54.5	1/2 LOAD PF:	42.3	0	SQ CAGE IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
0 LB-FT	6.5	6.6 LB-FT 293 %	8.35 LB-FT 371 %	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
52 dBA	62 dBA	0.06 LB-FT^2	0.1 LB-FT^2	10 SEC.	-	0 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	WHITE - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

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

NOTES

*

*

Data Sheet

Date: 1/23/2018

LEESON

112484.00

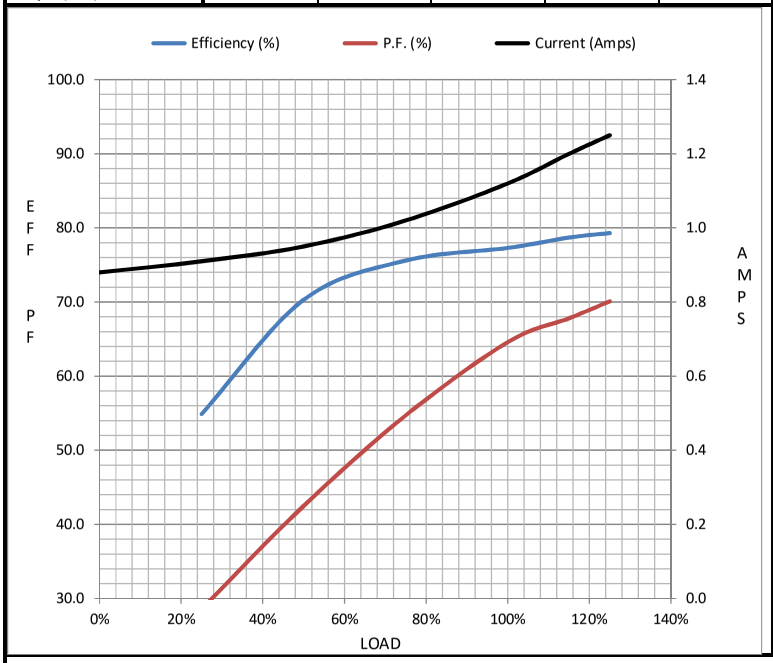
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.88	0.91	0.95	1.02	1.12	1.20	1.25	6.5	
Torque (ft-lb)	0.00	144	287	431	574	660	718	1,691	
RPM	1800	1787	1774	1760	1745	1,735	1730	0	
Efficiency (%)		54.9	70.3	75.6	77.3	78.7	79.3		
P.F. (%)	13.0	28.6	42.5	54.7	64.6	67.8	70.1	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	300	1550	1745	1800
Current (Amps)	6.5	6.4	3.9	1.12	0.88
Torque (ft-lb)	1,691	1,643	2,137	574	0.00



Information Block

HP	0.8	
Sync. RPM	1800	
Frame	140	
Enclosure	TEFC	
Construction	TFR	
Voltage	575	V
Frequency	60	Hz
Design	B	
LR Code letter	K	
Service Factor	1.15	
Temp Rise @ FL	60	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.06	Lb-Ft²
Ref Wdg	T634188 FR	
Sound Pressure @ 1M	52	dBA
VFD Rating	NONE	
Outline Dwg	607-0002-500	
Conn. Diag	005102.01	

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