PRODUCT INFORMATION PACKET

Model No: 056T34W99019
Catalog No: N236A
2,3600,TEFC,56J,3/60/230/460
Jet Pump

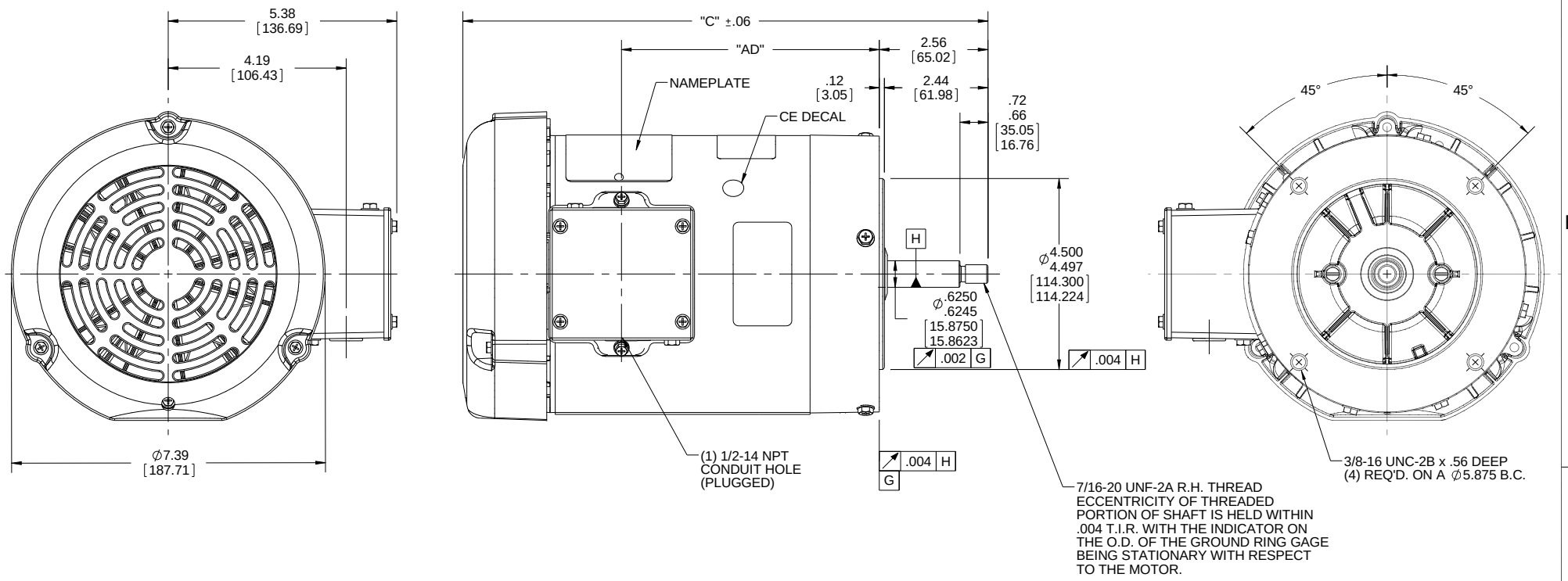
marathon® Motors

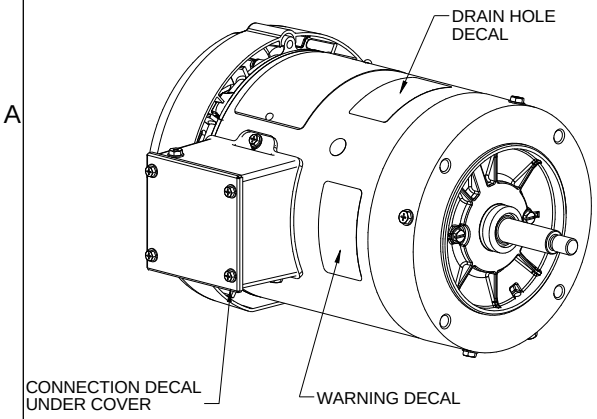
Nameplate Specifications

Output HP	**2 Hp**	Output KW	**1.5 kW**
Frequency	**60 Hz**	Voltage	**230/460 V**
Current	**4.8/2.4 A**	Speed	**3490 rpm**
Service Factor	**1.15**	Phase	**3**
Efficiency	**85.5 %**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**L**	Frame	**56J**
Enclosure	**Totally Enclosed Fan Cooled**	Overload Protector	**No**
Ambient Temperature	**40 °C**	Drive End Bearing Size	**6205**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**55**		

Technical Specifications

Electrical Type	**Squirrel Cage Induction Run**	Starting Method	**Across The Line**
Poles	**2**	Rotation	**Reversible**
Mounting	**Round**	Motor Orientation	**HORIZONTAL**
Drive End Bearing	**BALL**	Opp Drive End Bearing	**BALL**
Frame Material	**Rolled Steel**	Shaft Type	**J**
Overall Length	**13.87 in**	Frame Length	**7.50 in**
Shaft Diameter	**0.625 in**	Shaft Extension	**2.56 in**
Assembly/Box Mounting	**F1 ONLY**		
Outline Drawing	**607-0015ME-750**	Connection Diagram	**005010.01**





DASH NO.	"C"	"AD"
450	10.87	4.56
500	11.37	5.06
550	11.87	5.56
600	12.37	6.06
650	12.87	6.56
700	13.37	7.06
750	13.87	7.56
800	14.37	8.06

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.

DRAWING REVISION	REVISION BY	DATE
D	LK	03/08/2016
ECO	APPROVED BY	DATE
ECO-0097906	LK	03/08/2016

ECO DESCRIPTION: ADDED DASH # 800

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	UD 12/27/12
DATE	
APPROVED BY	
DATE	
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.

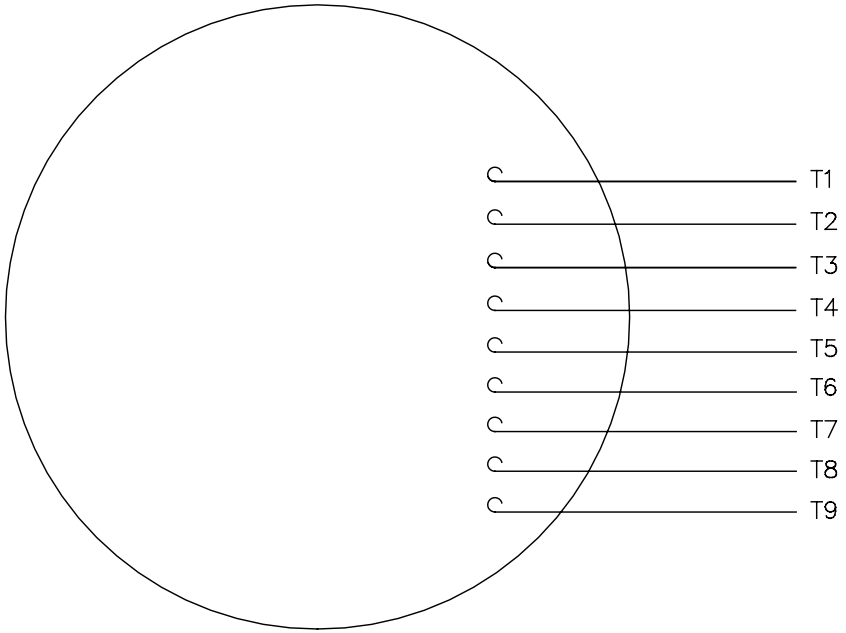
DESCRIPTION: OUTLINE
TEFC - "C" FACE

MATERIAL	PROCESS/FINISH
WASHGUARD - JET PUMP	

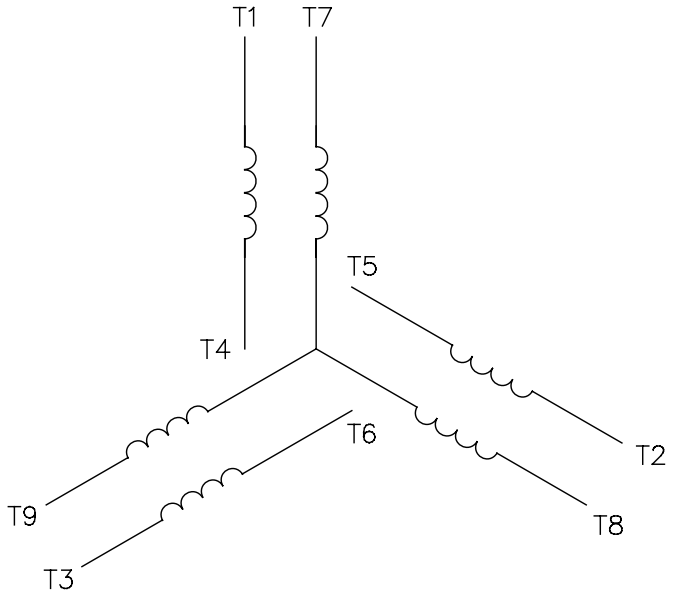
SIZE	DRAWING NUMBER	SHEET
B	607-0015ME	1 OF 1

005010–01

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

NO.	REVISION	BY & DATE	CHK
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY

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 3 PHASE W/O PROTECTOR

MAT'L. DECAL – 004014

FINISH

CAD FILE 00501001

RFP 04/12/02

DIST BRF–NLV

DRAWN RDW 04/12/02 | CHK | APPD | SCALE 1=1 | REF FIG.2–51 | FMF | PREV

SIZE A | DRAWING NO. 005010–01 | REV. A

P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER:
ORDER #:
CONN. DIAGRAM: 005010.01
OUTLINE: 607-0015ME-750
WINDING: T632174 FR 3
SPEED:

CUSTOMER P.O. #:
REFERENCE MODEL #: 56T34W99019
CAT #: N236A
CUSTOMER PART #:
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
2	1.5	3600	3511	56J	TEFC	TFR	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	4.9/2.45&4.6/2.3	ACROSS THE LINE	CONT	F	1.15	40	3300

F.L. EFF	87.1	3/4 LD EFF	86.7	1/2 LD EFF	85.5	GTD EFF	ELECT. TYPE
F.L. PF	88.4	3/4 LD PF	82.1	1/2 LD PF	72.2	0.0	SQ CAGE IND RUN

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
3.0 LB-FT	26.0	10.8 LB-FT 360%	13.0 LB-FT 433%	46	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
0 dBA	9 dBA	0.08 LB-FT²	0.1 LB-FT²	10 SEC.	0	0 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	NO	NONE	NO	NONE	HITE - LEESON (EPOX

BEARINGS DE	BEARINGS ODE	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
BALL 6205	BALL 6203	POLYREX EM	JET PUMP	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	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 NONE PPR

BRAKE: NONE
NONE NONE
FT-LB: NA
VOLTAGE: NONE HZ:

PREPARED BY: FAREEDA DUDEKULA
DATE: 9/17/2018

FORM: 3531 REV_4 2/27/06

UL: V-INS, CONST UL REC

Data Sheet

Date: 9/17/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

56T34W99019

Submittal

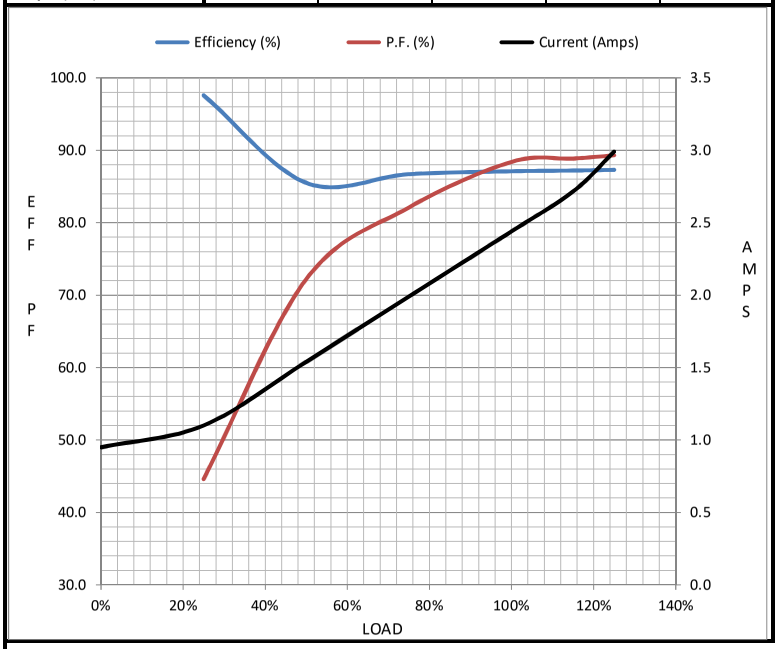
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	0.95	1.10	1.54	1.99	2.44	2.72	2.99	26.0	
Torque (ft-lb)	0.00	0.75	1.50	2.25	3.0	3.4	3.8	10.8	
RPM	3600	3581	3555	3533	3511	3,501	3487	0	
Efficiency (%)		97.6	85.5	86.7	87.1	87.2	87.3		
P.F. (%)	16.8	44.6	72.2	82.1	88.4	88.9	89.3	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	200	2300	3511	3600
Current (Amps)	26.0	23.9	15.6	2.44	0.95
Torque (ft-lb)	10.8	10.5	13.0	3.0	0.00



Information Block

HP	2.0	
Sync. RPM	3600	
Frame	140182TTFC6080	
Enclosure	TEFC	
Construction	TFR	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	A	
LR Code letter	L	
Service Factor	1.15	
Temp Rise @ FL	46	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.08	Lb-Ft²
Ref Wdg	T632174 FR	
Sound Pressure @ 1M	0	dBA
VFD Rating	NONE	
Outline Dwg	607-0015ME-750	
Conn. Diag	005010.01	
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