

# PRODUCT INFORMATION PACKET

Model No: 056T17W99033

Catalog No: N294A

2 HP Washdown Motor, 3 phase, 1800 RPM, 230/460 V, 56HC Frame, TEFC  
Washdown Duty Motors



### Nameplate Specifications

Output HP	<b>2 Hp</b>	Output KW	<b>1.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230/460 V</b>
Current	<b>5.8/2.9 A</b>	Speed	<b>1745 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>3</b>
Efficiency	<b>86.5 %</b>	Power Factor	<b>75.6</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>L</b>
Frame	<b>56HC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No</b>	Ambient Temperature	<b>40 °C</b>
Drive End Bearing Size	<b>6205</b>	Opp Drive End Bearing Size	<b>6205</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>56</b>

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>6 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Stainless Steel</b>
Shaft Type	<b>NEMA 56</b>	Overall Length	<b>13.19 in</b>
Frame Length	<b>8.25 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>2.07 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Connection Drawing	<b>005010.01</b>	Outline Drawing	<b>028926-825</b>

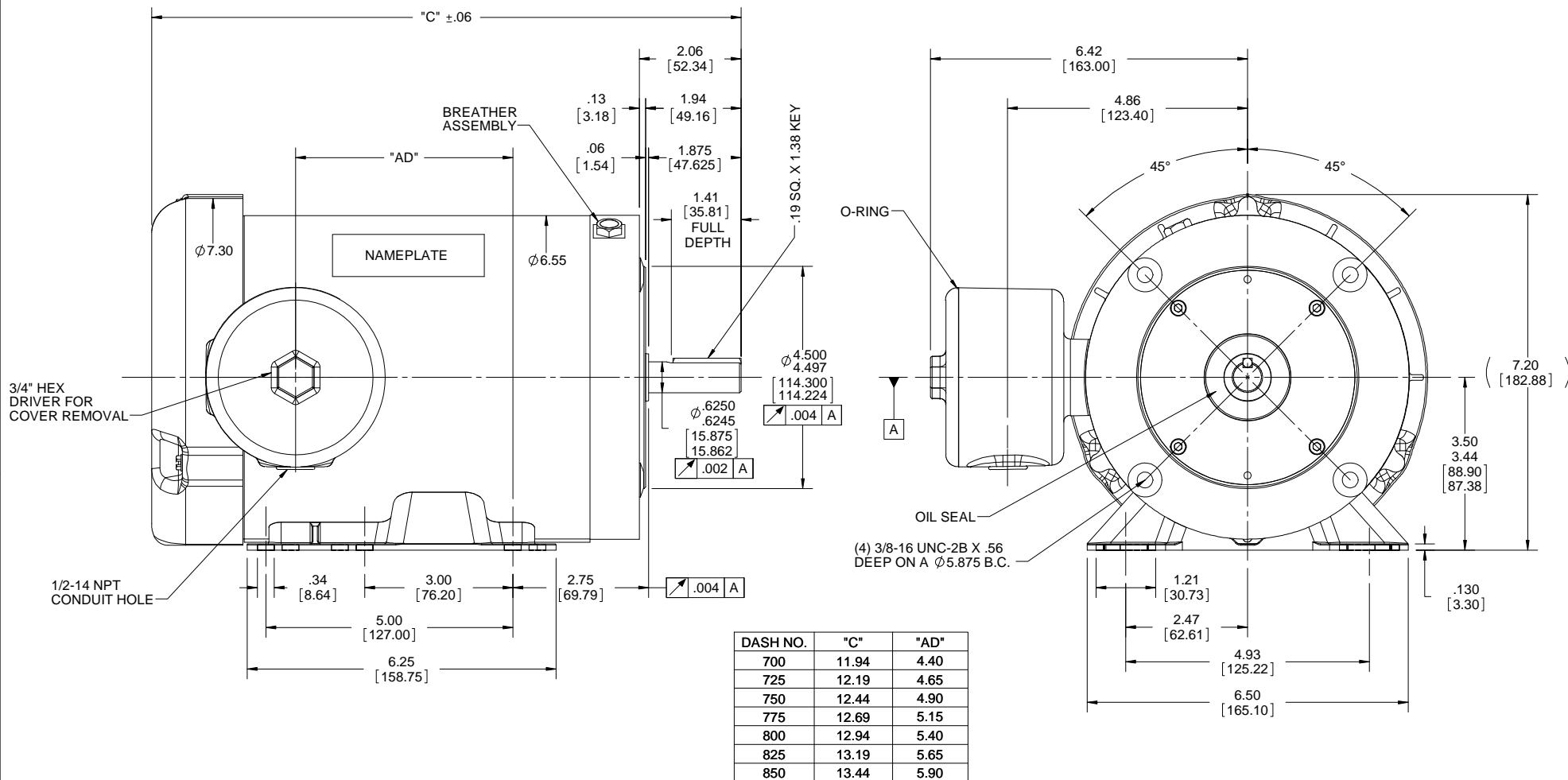
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B


B

A

A

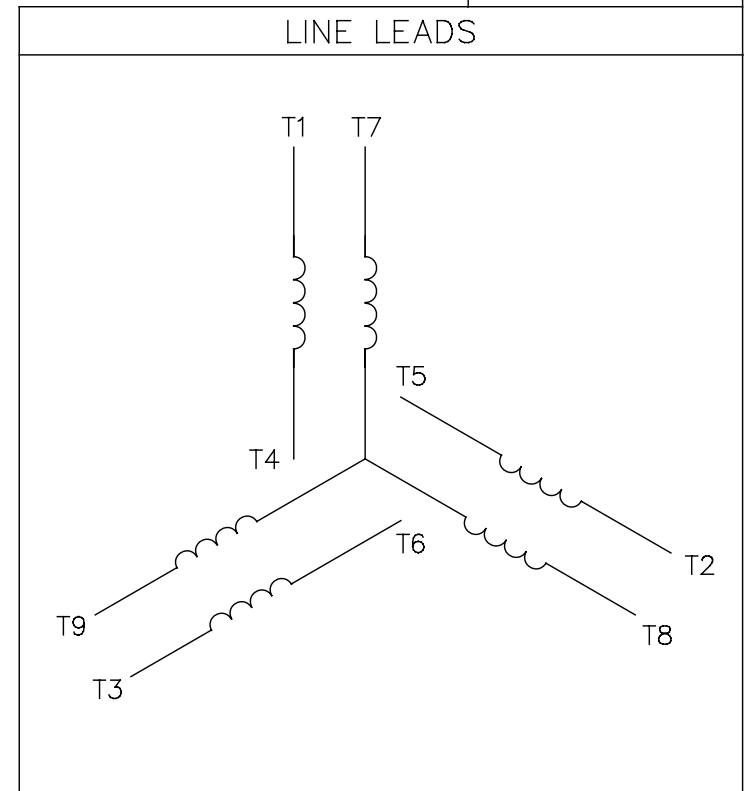
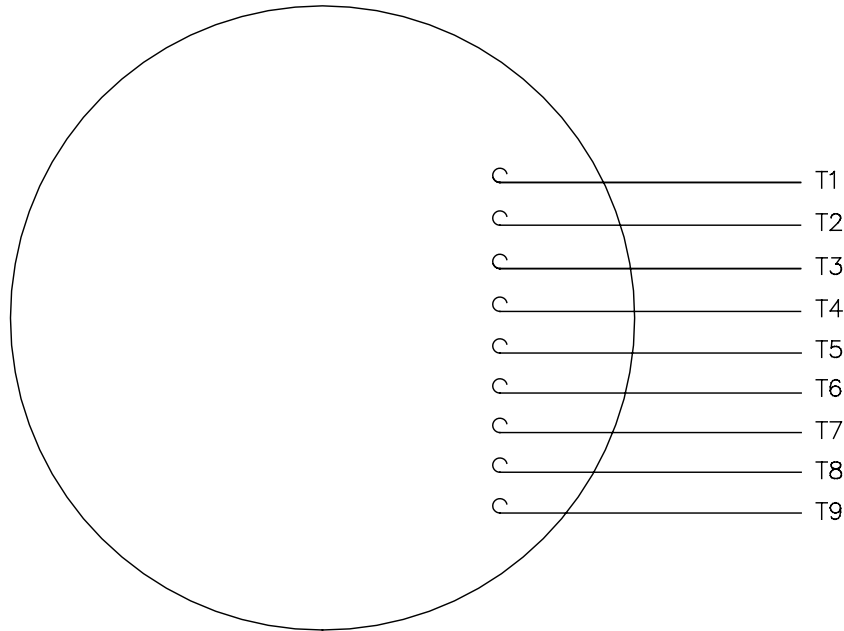


ORACLE REV.  
001

DRAWING REVISION H		REVISION BY AS	DATE 01/04/2018	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE ±0.5° X ±0.1 [+2.5] 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: 125/3.2 INCH/mm	DRAWN BY LST 12/8/08	 Regal Beloit America, Inc.		
ECO-0137347		APPROVED BY AS	DATE 01/04/2018		DATE			
ECO DESCRIPTION CORRECTED "AD" DIMENSION PER ECR-0146972 <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>					APPROVED BY	DESCRIPTION <b>OUTLINE</b> TEFC RIGID "C"		
					REFERENCE	MATERIAL	PROCESS/FINISH	
					THIRD ANGLE PROJECTION	SIZE <b>B</b>	DRAWING NUMBER <b>028926</b>	SHEET 1 OF 1

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



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

TOLERANCES  
UNLESS SPECIFIED

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



**Regal Beloit America, Inc.**

DRAWN RDW 04/12/02

CHK

APPD

TITLE  
EXTERNAL WIRING DIAGRAM  
3 PHASE W/O PROTECTOR

SCALE 1=1

REF FIG.2-51

A UPDATED TO REGAL LOGO SAJ 06/26/15

NO. REVISION BY & DATE

AJY .XXXX ±.0005

CHK ANG ±1/2°

MAT'L. DECAL - 004014

FINISH

FMF

PREV

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RFP 04/12/02  
DIST BRF-NLV

CAD FILE 00501001

SIZE	DRAWING NO.	REV.
A	005010-01	A



Data Sheet

56117W99033

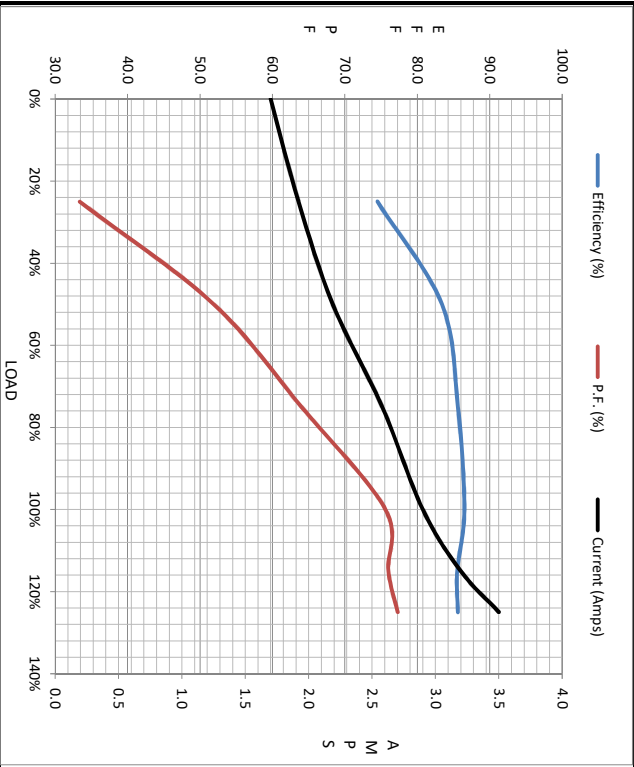


Submital Data @ 460 V

Date: 1/22/2019  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.70	1.92	2.19	2.58	2.90	3.2	3.5	26.5	
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.5	7.5	18.8	
RPM	1800	1787	1774	1763	1751	1,730	1732	0	
Efficiency (%)		74.5	83.4	85.6	86.5	85.5	85.6		
P.F. (%)	7.1	33.4	51.9	64.0	75.6	76.0	77.3	42.0	

Motor Speed Data					Information Block																					
	LR	Pull-Up	BD	Rated	Idle	HP	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Motor/Shaft wk <sup>2</sup>	Ret Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	
Speed (RPM)	0	775	1085	1751	1800	2.0	56	TEFC	TS	230/460#190/380	60	B	L	1.15	53	CONT	40	3300	0.16	FR	65	CONSTANT 3:1	028926-825	005010.01		
Current (Amps)	26.5	24.4	14.2	2.90	1.70		1800																			
Torque (ft-lb)	18.8	15.0	24.6	6.0	0.00																					



	R1	R2	X1	X2	Xm
EQUIV CKT (OHMS / PHASE)	0.0000	0.0000	0.0000	0.0000	0.0000

