

PRODUCT INFORMATION PACKET



Model No: 119499.00
Catalog No: 119499.00
2 HP Washdown Motor, 3 phase, 1800 RPM, 208-230/460 V, 56C Frame, TEFC
3 Phase Motors



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Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	208-230/460 V
Current	6.0-5.8/2.9 A	Speed	1745 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	75.6
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostats (N/C)	Ambient Temperature	40 °C
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	56

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	6 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	NEMA 56	Overall Length	13.19 in
Frame Length	8.25 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028943-825	Connection Drawing	005010.20

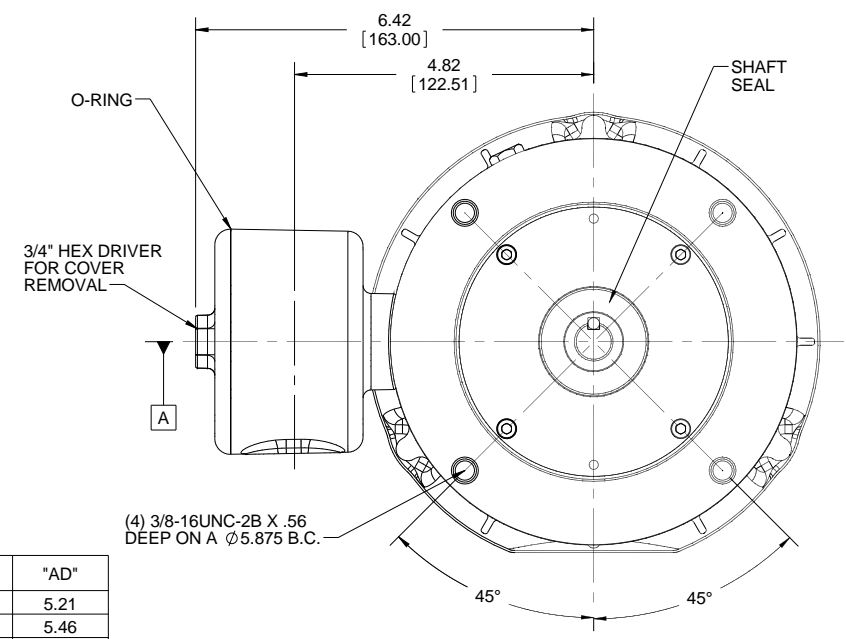
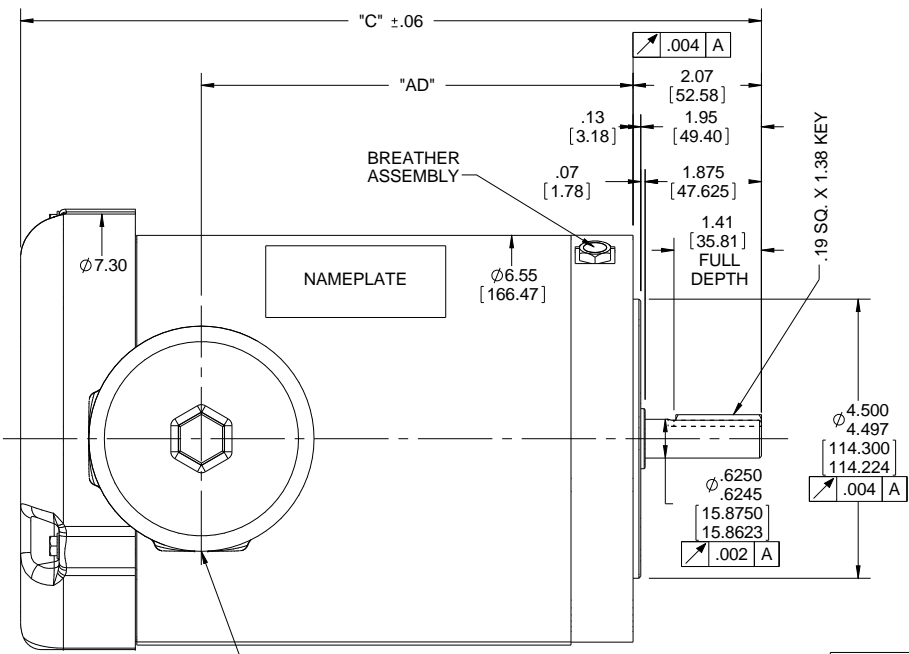
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DASH NO.	"C"	"AD"
525	10.19	5.21
550	10.44	5.46
575	10.69	5.71
600	10.94	5.96
625	11.19	6.21
650	11.44	6.46
675	11.69	6.71
700	11.94	6.96
725	12.19	7.21
750	12.44	7.46
775	12.69	7.71
800	12.94	7.96
825	13.19	8.21
850	13.44	8.46

DRAWING REVISION D	REVISION BY AS	DATE 10/26/16
ECO ECO-0111918	APPROVED BY JD	DATE 10/26/16
ECO DESCRIPTION ADDED ITEM #825		
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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: 125/3.2			
mm SHOWN IN [BRACKETS]			

DRAWN BY LST 1/9/09
DATE
APPROVED BY
DATE
REFERENCE
THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION	OUTLINE TEFC "C" FACE
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 028943
SHEET 1 OF 1	

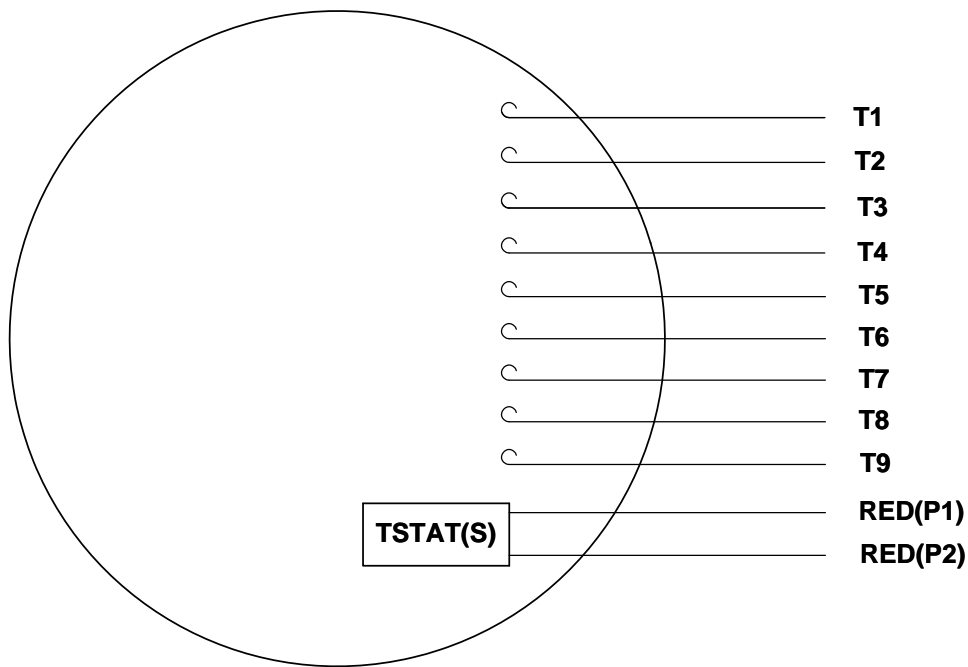
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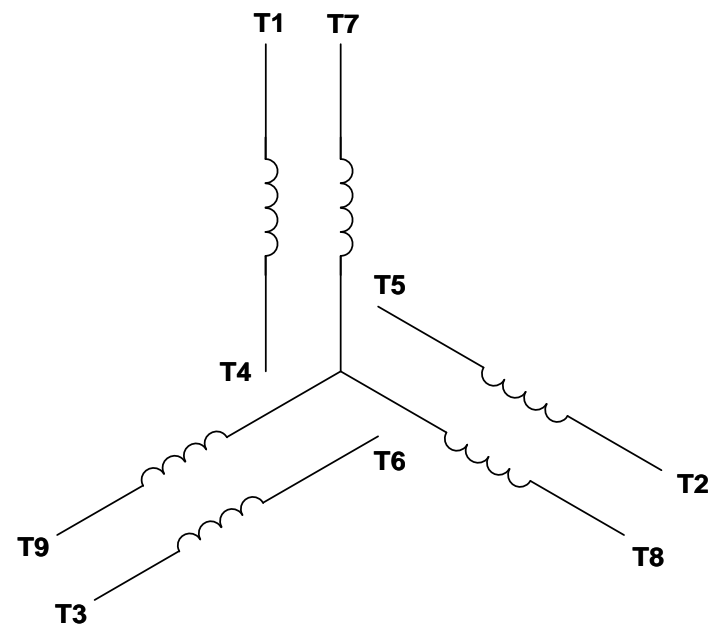
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VIEW FROM OUTSIDE OF MOTOR AT SWITCH END. Uncontrolled Copy



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

DRAWING REVISION G	REVISION BY MVG	DATE 04/05/2017
ECO ECO-0121253	APPROVED BY SM	DATE 04/05/2017

ECO DESCRIPTION
ADDED P1 & P2 FOR TSTAT

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REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125/3.2 INCH/mm
mm SHOWN IN [BRACKETS]

DRAWN BY DBT 12/16/97
DATE
APPROVED BY KH 12/17/97
DATE
REFERENCE
THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3 PHASE WITH PROTECTOR

MATERIAL DECAL - 004014 (TSTAT) - 080582	PROCESS/FINISH STOCK
SIZE A	DRAWING NUMBER 00501020
SHEET 1 OF 1	



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005010.20

OUTLINE: 028943-825

WINDING #: T634340 FR 3 J

CATALOG #: 119499.00

MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2&1 1/2	1.49&1.12	1800	1745&1435	56C	TEFC	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	208-230/460&190/380	6-5.8/2.9&6/3	LINE OR INVERTER	CONTINUOUS	F4	1.15/1.15	40

FULL LOAD EFF:	86.5&884	3/4 LOAD EFF:	85.5	1/2 LOAD EFF:	83.5	GTD. EFF	0	ELEC. TYPE
FULL LOAD PF:	75.6&872	3/4 LOAD PF:	64	1/2 LOAD PF:	52	SQ CAGE INV RATED		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6 LB-FT	53.2 / 26.6	24.6 LB-FT	410 %	28.8 LB-FT 480 %

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	0.2 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
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	NO PAINT

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE BALL BALL 6205 6205	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	STAINLESS STEEL

THERMO-PROTECTORS							
THERMOSTATS	PROTECTORS	WDG RTDS	BRG RTDS	THERMISTORS	CONTROL	SPACE HEATERS	VOLTS
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE	NONE

INVERTER TORQUE: CONSTANT 6:1
 INV. HP SPEED RANGE: NONE

ENCODER:	NONE
	NONE
	NONE PPR

BRAKE:	NONE	NONE
	NONE	P/N NONE
	NONE	NONE
	NONE	FT-LB NONE V NONE HZ

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Motor Load Data

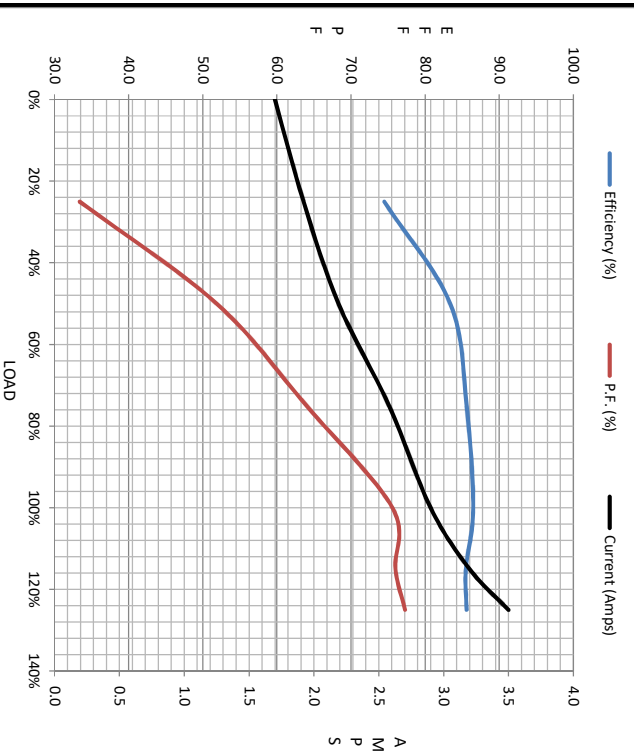
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.70	1.92	2.19	2.58	2.90	3.2	3.5	26.5
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	6.5	7.5	18.8
HPM	1800	1787	1774	1763	1751	1,730	1732	0
Efficiency (%)		74.5	83.4	85.6	86.5	85.5	85.6	
P.F. (%)	7.1	33.4	51.9	64.0	75.6	76.0	77.3	42.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	775	1085	1751	1800
Current (Amps)	26.5	24.4	14.2	2.90	1.70
Torque (ft-lb)	18.8	15.0	24.6	6.0	0.00

Information Block

HP	2.0			
Sync. RPM	1800			
Frame	140			
Enclosure	TEFC			
Construction	TFR			
Voltage	208-230/460#190/380 V			
Frequency	60 Hz			
Design	A			
LR Code letter	L			
Service Factor	1.15			
Temp Rise @ FL	53 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.16 Lb-Ft ²			
Ref Wdg	T634340 FR			
Sound Pressure @ 1M	65 dBA			
VFD Rating	CONSTANT 6:1			
Outline Dwg	028943-825			
Conn. Diag	005010.20			
Additional Specifications:				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0000	0.0000	0.0000	0.0000	0.0000



Speed - Torque Curve

