

PRODUCT INFORMATION PACKET



Model No: SRF4B2TCN61

Catalog No: LM34155

..2HP..1800RPM.56C.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.C FACE.....GENERAL PURPOSE.....

Totally Enclosed Fan Cooled (TEFC)



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Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	230/460 V
Current	6.0/3.0 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	N	Frame	56
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	43		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Round	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Rolled Steel	Shaft Type	NEMA 56
Overall Length	15.10 in	Frame Length	9.65 in
Shaft Diameter	0.625 in	Shaft Extension	1.88 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	OL56100035-001	Connection Diagram	CDTD127

4

3

Uncontrolled Copy

2

1

B

B

T1 RED
T4 BROWN
T9 PINK
T7 PURPLE
T8 TAN
T6 BLACK
T5 ORANGE
T2 WHITE
T3 BLUE

VIEW OF TERMINAL END

NOTE:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE DD10123-001

CCW LOW VOLTAGE

001

RED T1
BROWN T4
T9 PINK
T7 PURPLE
T5 ORANGE
T2 WHT
T6 T8 BLK TAN
T3 BLUE

L1
L2
L3

CCW HIGH VOLTAGE

002

T1 RED
BROWN T4
T7 PURPLE
PINK T9
T8 TAN
BLACK T6
T5 ORN
T2 WHT
T3 BLUE

L1
L2
L3

A

A

DRAWING REVISION C	REVISION BY G. RODRIGUEZ	DATE 03-14-2018
ECO ECO-0141431	APPROVED BY J. A. MORENO	DATE 03-14-2018
ECO DESCRIPTION ADD DD10123-001, REMOVE DD100123-001		
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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]
CORNER FILLETS: .02 [.51]
MACHINED SURFACES: 125/3.2
INCH/mm

DRAWN BY G. RODRIGUEZ	DATE 12-01-2017
APPROVED BY J. A. MORENO	DATE 12-01-2017
REFERENCE CDTD103	THIRD ANGLE PROJECTION

Regal Beloit America, Inc.	
DESCRIPTION CONN DIAGRAM-EXTERNAL	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER CDTD127
SHEET 1 OF 1	

4

3

2

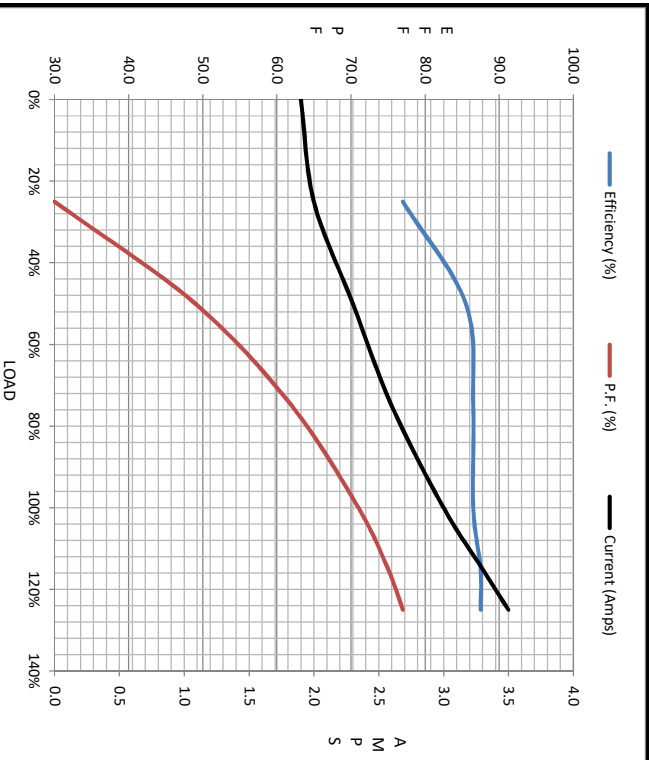
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Motor Load Data						
Load	0%	25%	50%	75%	100%	LR
Current (Amps)	1.90	2.00	2.30	2.60	3.0	30.5
Torque (ft-lb)	0.00	1.50	3.0	4.5	6.0	24.5
HPM	1800	1790	1780	1770	1760	0
Efficiency (%)		77.0	85.5	86.5	86.5	
P.F. (%)	7.0	30.0	49.0	62.0	71.0	71.0

Motor Speed Data						Information Block																				
Speed (RPM)	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:
0	115	1200	1200	1760	1800	2.0	1800	145	TEFC	TFR	230/460#190/380	60	A	N	1.15	45	CONT	40	1,000	0.14	Z14255 FR	62	NONE	OL56100035-001	CDTD108	
Current (Amps)	30.5	29.5	19.5	3.0	1.90																					
Torque (ft-lb)	24.5	23.7	33.2	6.0	0.00																					



EQUIV CKT (OHMS / PHASE)			
R1	R2	X1	Xm
3.9620	3.0100	5.7510	5.9360 160.3460

