

PRODUCT INFORMATION PACKET

Model No: 056T17F15674
Catalog No: G548A
1.5,1800,TEFC,56C,3/60/575
Totally Enclosed Fan Cooled (TEFC)



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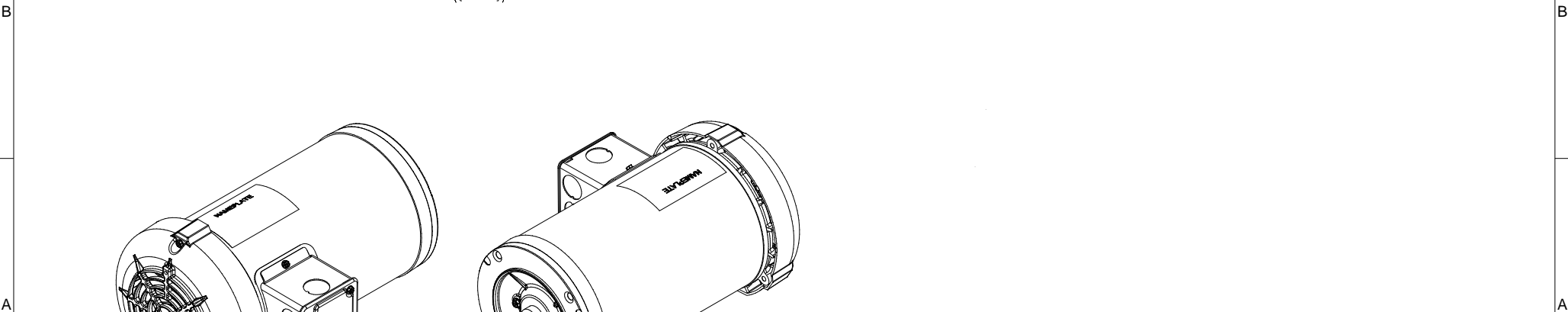
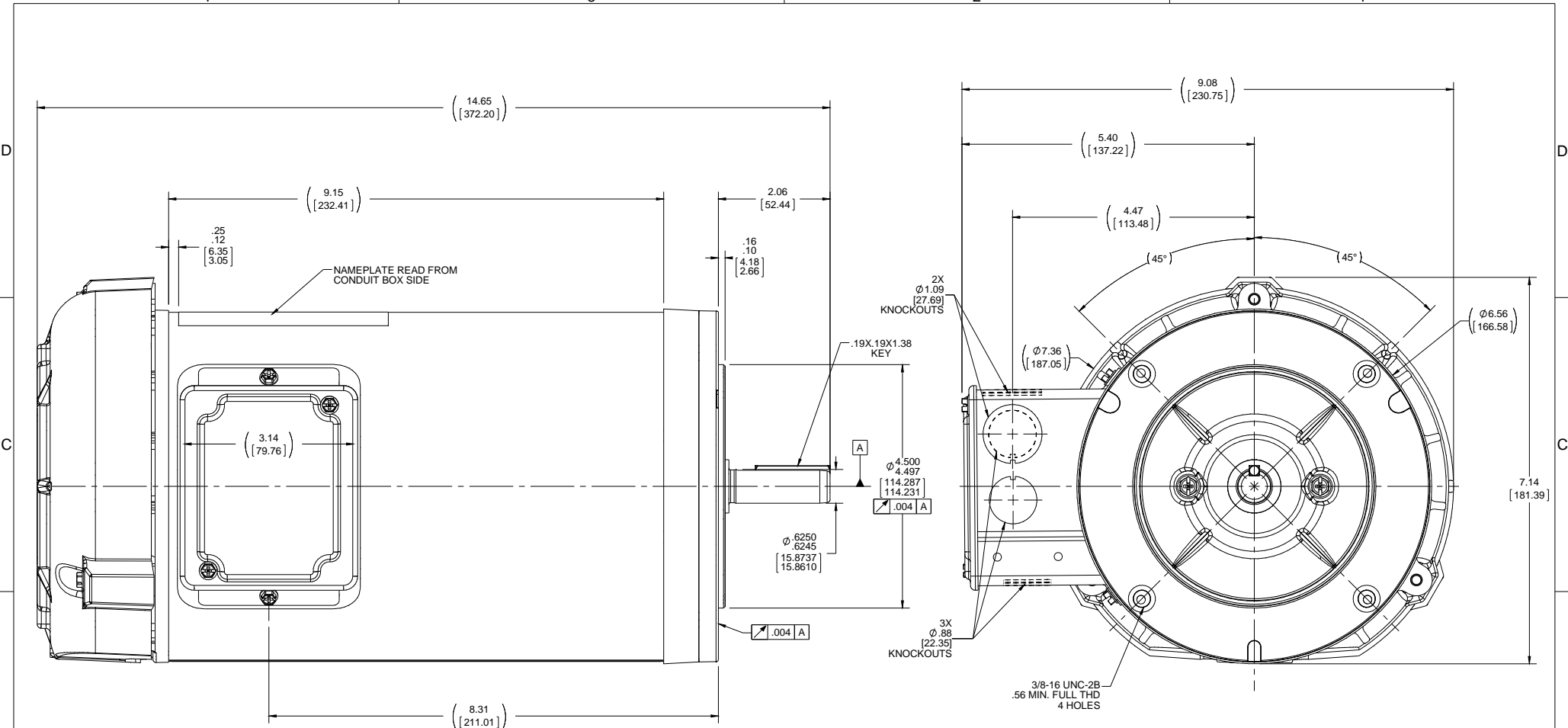
Nameplate Specifications

Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	575 V
Current	1.9 A	Speed	1725 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Duty	Continuous
Insulation Class	B	Design Code	B
KVA Code	P	Frame	56C
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	14.65 in	Frame Length	9.15 in
Shaft Diameter	0.625 in	Shaft Extension	2.06 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	OL56100144-001	Connection Diagram	CDTS112

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DRAWING REVISION A		REVISION BY E VILLA		DATE 08-03-2016		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DRAWN BY E VILLA	
ECO ECO-0105662		APPROVED BY J. ORTEGA		DATE 08-03-2016		DEC. INCH mm ANGLE .XX ±0.1 [±2.5] ±0.5° .XXX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]		DATE 08-03-2016	
NEW MODEL RELEASE						REMOVE BURRS & BREAK SHARP EDGES: .0031 Ø15 [Ø76.381] X 45° CORNER FILLETS: R.02 [51]		APPROVED BY	
COPYRIGHT REGAL BELLOTT AMERICA, INC. ALL RIGHTS RESERVED.						MACHINED SURFACES: .125 / 3.2 INCH / mm V		DATE	
PROPRIETARY AND CONFIDENTIAL INFORMATION. THIS DOCUMENT IS THE PROPERTY OF REGAL BELLOTT 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.						THIRD ANGLE PROJECTION		DESCRIPTION OUTLINE 56H FR. TEFC, C-FACE, ROUND	
						mm SHOWN IN [BRACKETS]		MATERIAL	
						SIZE		PROCESS/FINISH	
						DRAWING NUMBER OL56100144-001		SHEET 1 OF 1	

4

3

Uncontrolled Copy

2

1

001

IF MOTOR HAS 6 LEADS

T1(U1) — L1

T1(U1) — L1

T2(V1) — L2

T2(V1) — L2

T3(W1) — L3

T3(W1) — L3

A- 9806 DECAL

TERMINAL BLOCK WHEN SPECIFIED

T1 — L1

T2 — L2

T3 — L3

T1 RED

T2 WHITE

T3 BLUE

VIEW OF TERMINAL END

CCW HIGH VOLTAGE

T1 — RED — L1

T2 — WHITE — L2

T3 — BLUE — L3

NOTES:

1. TO REVERSE ROTATION, INTERCHANGE ANY TWO LINE CONNECTIONS TO L1, L2, OR L3.
2. CONNECTION DIAGRAM-NAMEPLATE: DD10040-001.

DRAWING REVISION A	REVISION BY G. RODRIGUEZ	DATE 03-20-2018
ECO ECO-0142578	APPROVED BY J. A. MORENO	DATE 03-20-2018
ECO DESCRIPTION NEW RELEASE		
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TOLERANCES UNLESS OTHERWISE SPECIFIED:

DEC.	INCH	mm
.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]
 CORNER FILLETS: .02 [.51]
 MACHINED SURFACES: 125/3.2

mm SHOWN IN [BRACKETS]

DRAWN BY
G. RODRIGUEZ

DATE
03-20-2018

APPROVED BY
J. A. MORENO

DATE
03-20-2018

REFERENCE
SKT52A105383CA

THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.

DESCRIPTION
CONN DIAGRAM-EXTERNAL

MATERIAL

PROCESS/FINISH

SIZE
B

DRAWING NUMBER
CDTS112

SHEET
1 OF 1

4

3

2

1

4 of 6



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

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER P.O. #:
 ORDER #: CDTJ112
 REFERENCE MODEL #: 56T17E15674
 CONN. DIAGRAM: OL56100144-001
 CAT #: G548A
 OUTLINE: ZT4256 FR 4
 CUSTOMER PART #:
 WINDING: FR 4
 MOUNTING: F1 ONLY
 SPEED:
 TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
1.5	1.1	1800	1755	56C	TEFC	TEF	P	A

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60	575	1.85	ACROSS-THE LINE	CONT	B	1.15	40	3300

F.L. EFF	86.5	3/4 LD EFF	85.5	1/2 LD EFF	82.5	GTD EFF	84.0	ELECT. TYPE	SO CAGE IND RUN
F.L. PF	71.0	3/4 LD PF	62.5	1/2 LD PF	49.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE <th>F.L. RISE (°C)</th>	F.L. RISE (°C)
4.5 LB-FT	19.2	21.2 LB-FT	26.0 LB-FT	578%
				35

@ 3 FT. DBA	71 DBA	ROTOR WK ²	0.14 LB-FT ²	MAX. LOAD WK ²	10 LB-FT ²	SAFE STALL TIME	20 SEC.	START/SHOUR	2	MOTOR WGT	50 LB.
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*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE	ROUND	HORIZONTAL	NO	NONE	YES	NONE	GRAY (POWDER)

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

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	7.56	R2 (ohms/ph)	5.906	X1 (ohms/ph)	11.133	X2 (ohms/ph)	11.192	Xm (ohms/ph)	296.258	VIBRATION (in/sec)	0.150	FLOAT	ODE
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* N		INVERTER TORQUE: NONE	
O		INV. HP SPEED RANGE: NONE	
T		ENCODER: NONE	
E		BRAKE: NONE	
S		FT-LB: NONE	
		VOLTAGE: NONE	
		HZ: NONE	

PREPARED BY: FAREEDA DUDEKULA
 DATE: 9/10/2018
 FORM: 3531 REV 4 2/27/06
 UL: V:INS, CONST UL REC

Data Sheet

56T17F15674



Submital Data @ 575 V

Date: 9/10/2018
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA

Motor Load Data

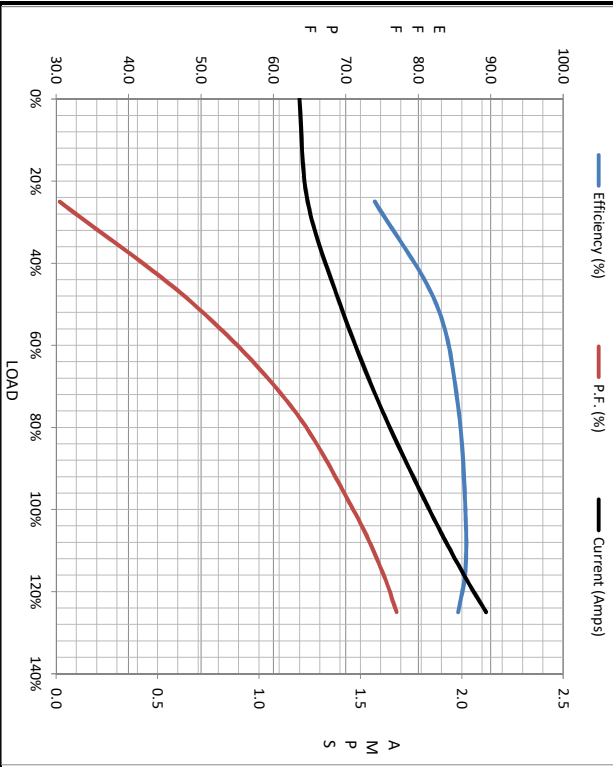
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	1.20	1.24	1.40	1.60	1.84	2.00	2.12	19.2
Torque (ft-lb)	0.00	1.10	2.20	3.5	4.5	5.2	5.7	21.2
RPM	1800	1790	1780	1765	1755	1,750	1745	0
Efficiency (%)		74.0	82.5	85.5	86.5	86.5	85.5	
P.F. (%)	7.5	30.5	49.0	62.5	71.0	75.0	77.0	69.5

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	130	1190	1755	1800
Current (Amps)	19.2	18.6	12.8	1.84	1.20
Torque (ft-lb)	21.2	20.2	26.0	4.5	0.00

Information Block

HP	1.5			
Sync. RPM	1800			
Frame	145364TFC6081			
Enclosure	TEFC			
Construction	TFR			
Voltage	575 V			
Frequency	60 HZ			
Design	A			
LR Code letter	P			
Service Factor	1.15			
Temp Rise @ FL	35 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	0.14 Lb-Ft ²			
Ret Wdg	ZT4256 FR			
Sound Pressure @ 1M	62 DBA			
VFD Rating	NONE			
Outline Dwg	OL56100144-001			
Conn. Diag	CDTS112			
Additional Specifications:				
0				
0				
R1	R2	X1	X2	Xm
7.5600	5.9060	11.1330	11.1920	296.2580



Speed - Torque Curve

