

PRODUCT INFORMATION PACKET



Model No: 122221.00

Catalog No: 122221.00

General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM,
143TC Frame, TEFC



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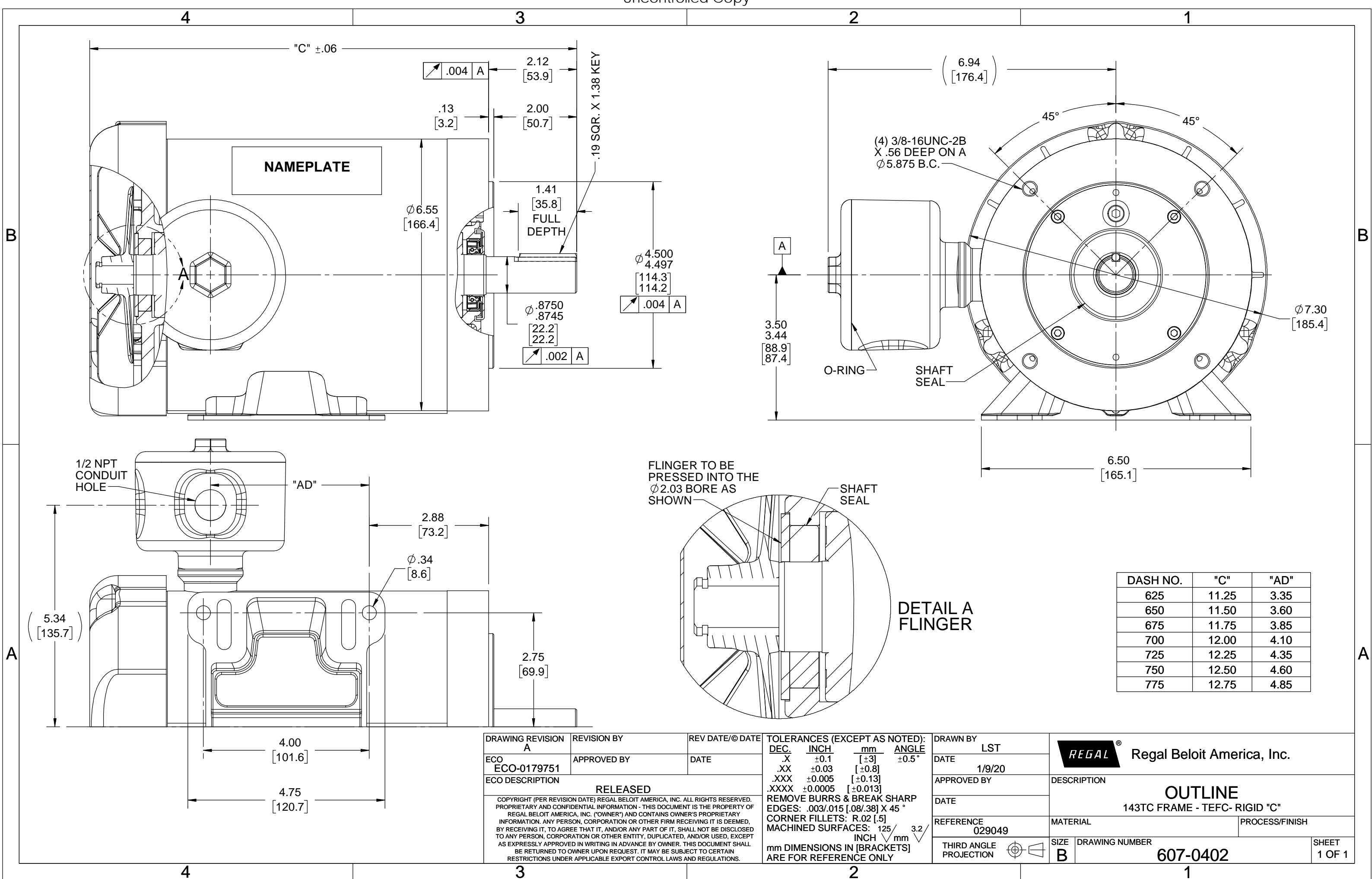
Nameplate Specifications

Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	230/460 & 190/380 V
Speed	1750 & 1450 rpm	Service Factor	1.15 & 1.15
Frame	143TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	86.5 & 86.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	4.8/2.4 & 3.6/1.8 A	Power Factor	67.7
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	L
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	69
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	9.12 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Stainless Steel
Shaft Type	T	Overall Length	12.75 in
Frame Length	7.75 in	Shaft Diameter	0.875 in
Shaft Extension	2.12 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	VARIABLE 10:1		
Connection Drawing	005010.52	Outline Drawing	607-0402-775

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DASH NO.	"C"	"AD"
625	11.25	3.35
650	11.50	3.60
675	11.75	3.85
700	12.00	4.10
725	12.25	4.35
750	12.50	4.60
775	12.75	4.85

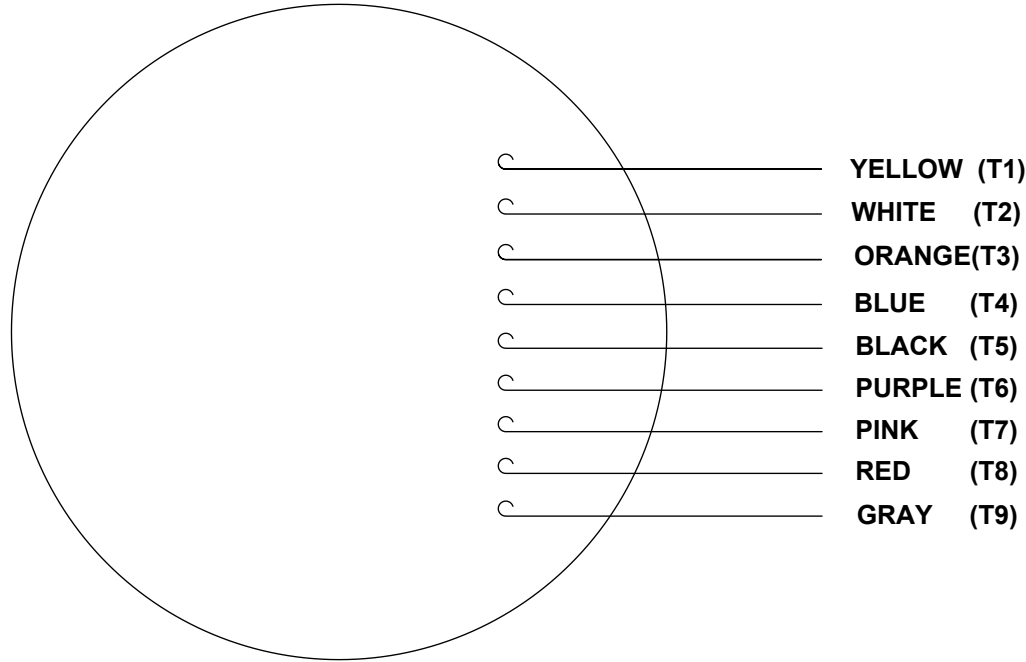
DRAWING REVISION	REVISION BY	REV DATE/© DATE
A		
ECO-0179751	APPROVED BY	DATE
ECO DESCRIPTION		
RELEASED		
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TOLERANCES (EXCEPT AS NOTED):			
DEC.	INCH	mm	ANGLE
.X	± 0.1	[± 3]	$\pm 0.5^\circ$
.XX	± 0.03	[± 0.8]	
.XXX	± 0.005	[± 0.13]	
.XXXX	± 0.0005	[± 0.013]	
REMOVE BURRS & BREAK SHARP EDGES: $.003/.015$ [.08/.38] X 45°			
CORNER FILLETS: R.02 [.5]			
MACHINED SURFACES: $125 \sqrt{3.2}$ INCH \sqrt{mm}			
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			

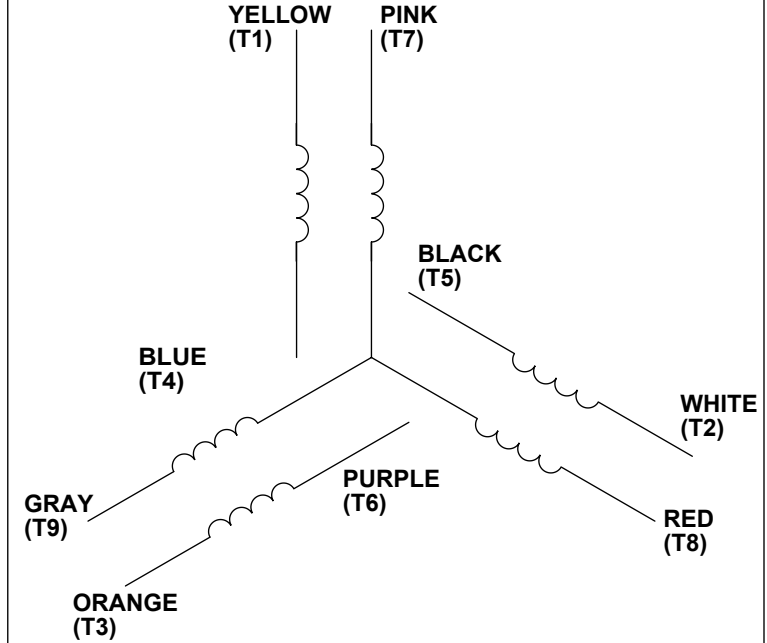
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DATE	1/9/20
APPROVED BY	
DATE	
REFERENCE	029049
THIRD ANGLE PROJECTION	

REGAL ® Regal Beloit America, Inc.	
OUTLINE 143TC FRAME - TEFC- RIGID "C"	
MATERIAL	PROCESS/FINISH
SIZE	DRAWING NUMBER
B	607-0402
SHEET	1 OF 1

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

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DRAWING REVISION C	REVISION BY PVR	DATE 04/23/14	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]	DRAWN BY LST	Regal Beloit America, Inc.
ECO ECO-0049985	APPROVED BY JD	DATE 04/23/14	DATE 4/3/14	APPROVED BY	
ECO DESCRIPTION UPDATED PER ECO-0049985			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51] MACHINED SURFACES: 125/3.2 INCH/mm	DATE	DESCRIPTION LEAD ASSY EXT. WIRING DIA. 3 PH. W/O PROT.
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			THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER 00501052

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
1946 West Cook Road
Fort Wayne, IN 46818

and the authorized representative
established within the Community:

Regal Beloit Italy
Via Modena, 18
24040 Ciserano(BG) - Italy

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : 122221.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : 122221.00

Rework No : N/A

Directives :

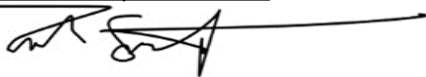
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Zach Stauffer
Vice President, Engineering

Authorized Representative in the Community:



Stefano Casiraghi
Technology Director, Engineering

Created on 07/08/2025

CE 25