

PRODUCT INFORMATION PACKET



Model No: 170035.00

Catalog No: 170035.00

General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM,
284TS Frame, TEFC



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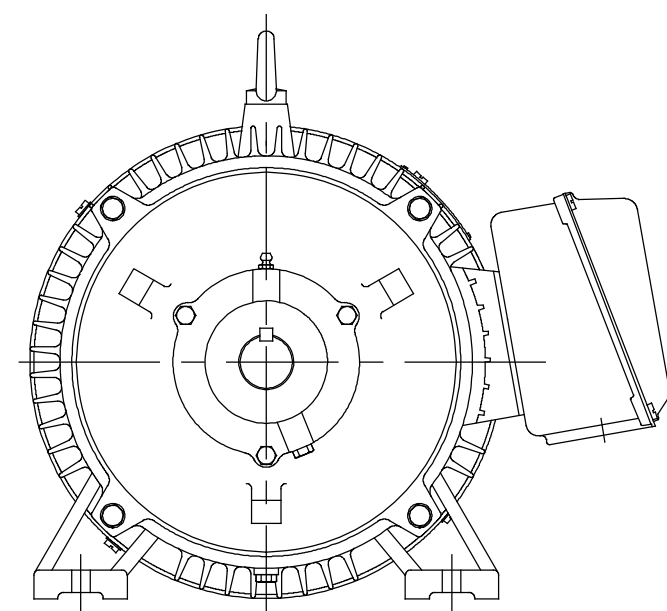
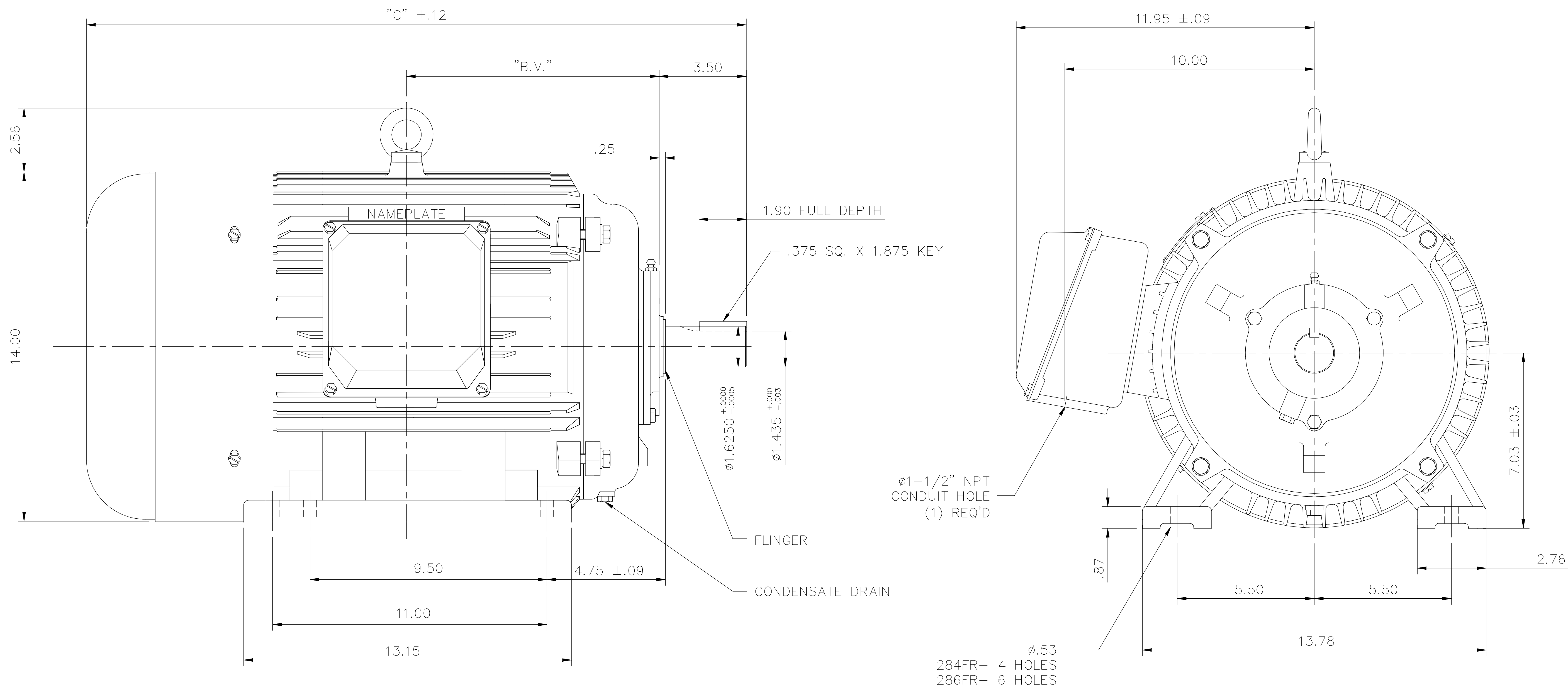
Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	208-230/460 & 190/380 V
Speed	3555 & 2955 rpm	Service Factor	1.15 & 1.15
Frame	284TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	63-56.5/28.3 & 53.5/26.8 A	Power Factor	88
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Resistance Main	.225 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	24.88 in
Shaft Diameter	1.625 in	Shaft Extension	3.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	16954060	Connection Drawing	004172.03

169540-60

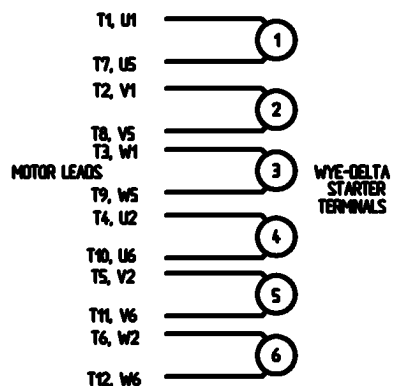


FRAME DESIGN	"C"	"BV"
284TS	24.88	4.72
286TS	26.46	3.97

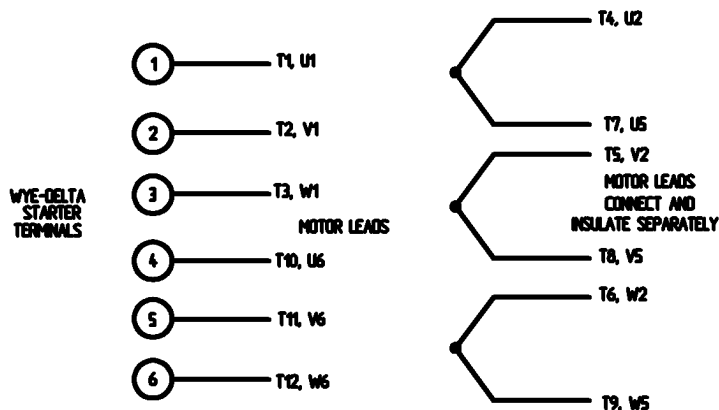
NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION	DRAWN JJK 03/29/99		
				DEC.	INCHES				
H	ADDED F2 VIEW ECO-0134445	WGJ 11/10/2017	EMH	.X	±.1	REGAL-BELOIT CORPORATION TITLE OUTLINE-280TS FRAME, TEFC-RIGID NEW CONDUIT BOX MAT'L. CAST IRON FINISH	CHK		
03	REMOVED REFERENCE TO 250 FRAME	MOL 08/15/2012		.XX	±.03		APPD PG 03/31/99		
02	REDRAWN TO CURRENT CAD STANDARDS	CJK 11/1/01		.XXX	±.005		SCALE 1=4		
01	ADDED HOLES 286TS BASE	JJK 07/13/99		.XXXX	±.0005		REF		
				ANG	±7'30"		FMF		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE 16954060	SIZE B	DRAWING NO. 169540-60	PAGE OF	REV. H
				DIST					

WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

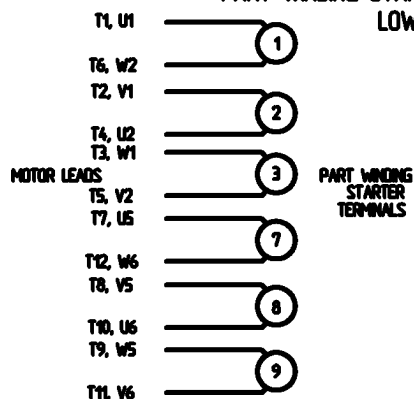


HIGH VOLTAGE CONNECTION



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

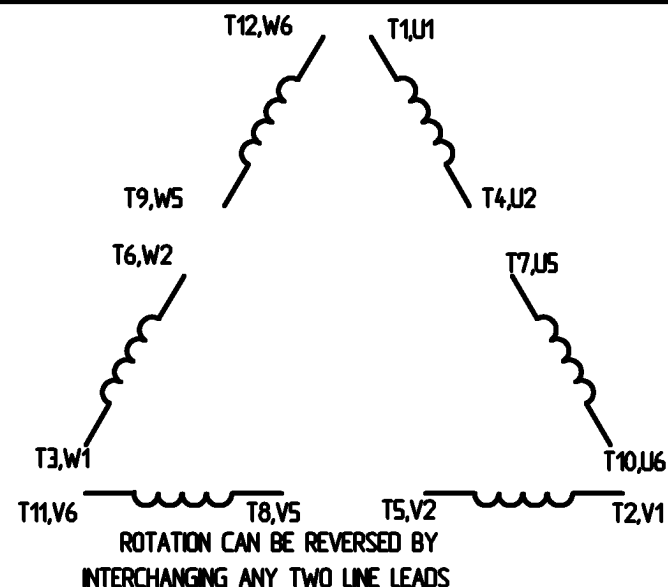
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER - HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

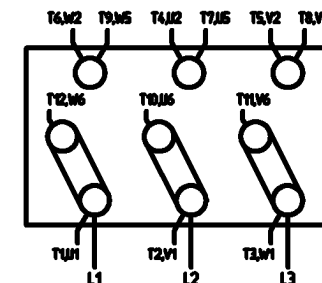
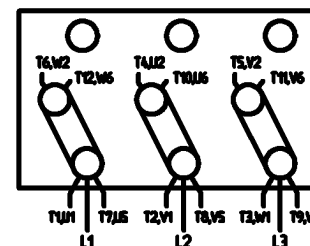
LINE LEADS



12 LEAD DELTA CONNECTION ACROSS THE LINE START
(FOR Y START DELTA RUN, REMOVE THE JUMPERS)

LOW VOLTAGE
MUST BE REWIRED
AS SHOWN

HIGH VOLTAGE
FACTORY WIRED FOR HIGH
VOLTAGE AS SHOWN



				TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN C/W 08/28/02
				DEC.	INCHES		CHK
				X	+ .1	TITLE DELTA - WYE CONNECTION DIAGRAM IEC CAST IRON MOTORS	APPO
				XX	+ .01		SCALE 1:1
				XXX	+ .005	MAT'L	REF
				XXXX	+ .0005		FMF
NO.	REVISION	BY & DATE	CHK	ANG	+ 1/2°	FINISH	PREV
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				DST			DRAWING NO. 004172-03
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ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

/CB
-dictionary-
/Pscript_WinNT_Compat
-dictionary-

EC Declaration of Conformity

The undersigned representing
the manufacturer:

Regal Beloit America
100 East Randolph St.
Wausau, WI 54401

and the authorized representative
established within the Community:

Marathon Electric UK
6F Thistleton Road Ind. Estate
Market Overton
Oakham, Rutland LE15 7PP UK

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 : 170035.00

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

Catalog No : 170035.00

Rework No : N/A

Directives :

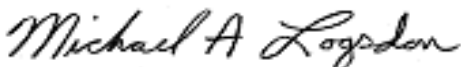
Low Voltage Directive 2014/35/EU

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:



Michael A. Logsdon
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22