

# PRODUCT INFORMATION PACKET



Model No: 170011.00

Catalog No: 170011.00

General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,  
284T Frame, TEFC



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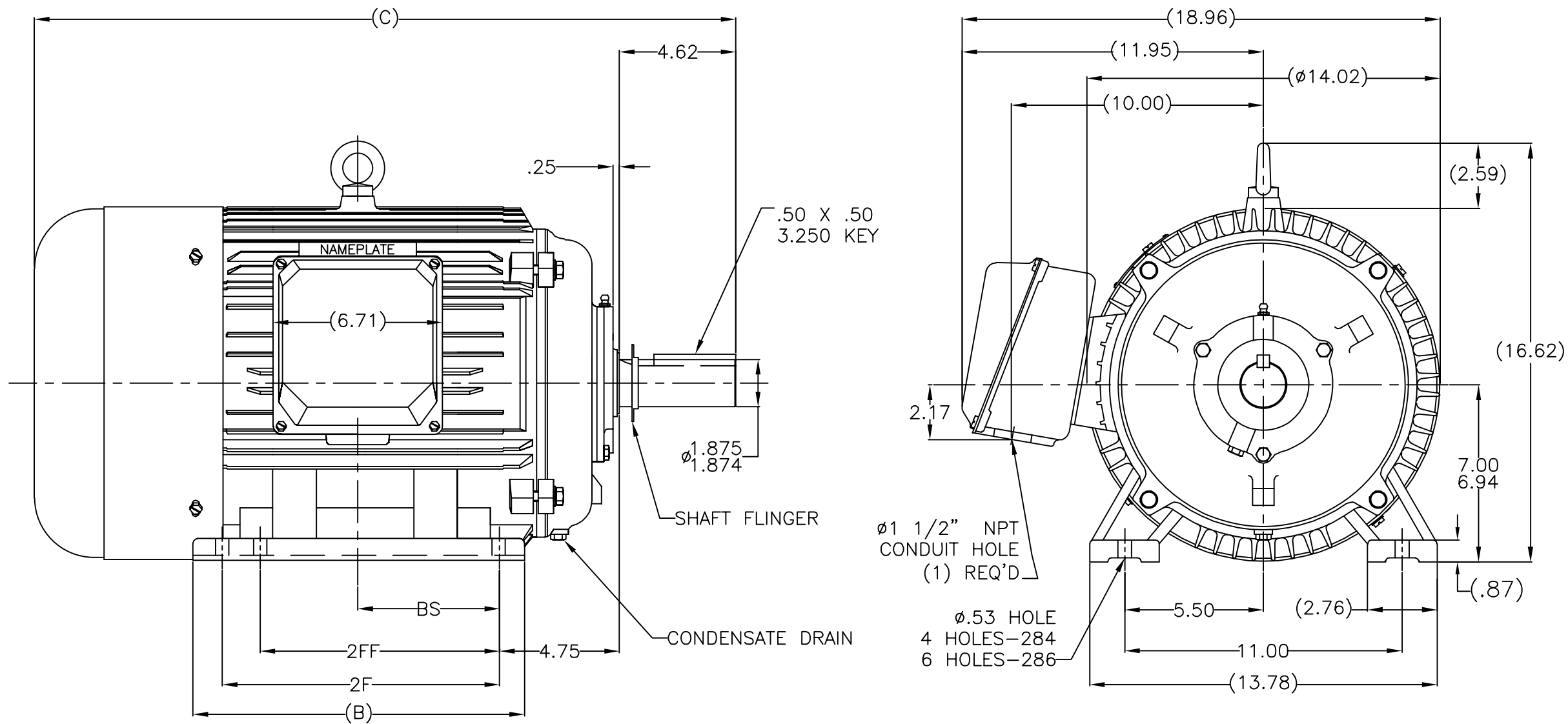
## Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	208-230/460 & 190/380 V
Speed	1783 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	284T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93.6 & 93 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	66-58.5/29.3 & 60/30 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
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	4	Rotation	Reversible
Resistance Main	.058 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	26.26 in
Shaft Diameter	1.875 in	Shaft Extension	4.62 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	004172.03	Outline Drawing	16953960LE

169539-60LE



NOTE:  
1. NAMEPLATE TO READ FROM CONDUIT BOX  
SIDE OF MOTOR.

FRAME	C	B	BS	2F	2FF
284T	26.26	11.61	5.30	9.50	
286T	27.83	13.11	5.63	11.00	9.50

6	UPDATED TITLE BLOCK AND TABLE ECO-0048910	RFH 04/04/2014	EH	TOLERANCES UNLESS SPECIFIED		 REGAL-BELOIT CORPORATION	DRAWN CJK 07/16/2001	
5	RE-ISSUE, ADDED "LE" SUFFIX TO DRAWING NO.	MSG 09/23/2005	ML	DEC.	INCHES		CHK	
4	REVISE TABLE DIM. FOR CORRECT 2F/2FF CN29200-302	CTO 06/25/2003	ML	.X	$\pm .1$	TITLE OUTLINE - NEW CONDUIT BOX 280T FR. - TEFC - RIGID	APPD	
3	REV. 9.50 FROM 286 ONLY TO 284 PER CN 29200-302	CTO 06/09/2003	SB	.XX	$\pm .03$		SCALE N/A	
2	REDRAWIN TO CURRENT CAD STANDARDS	CJK 11/01/2001		.XXX	$\pm .005$	MAT'L _	REF	
1	ADDED HOLE FOR 286T BASE	JJK 07/13/1999		.XXXX	$\pm .0005$		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	$\pm 7'30"$	FINISH	PREV	
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 16953960LE			SIZE	DRAWING NO. PAGE 1 OF 1
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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.

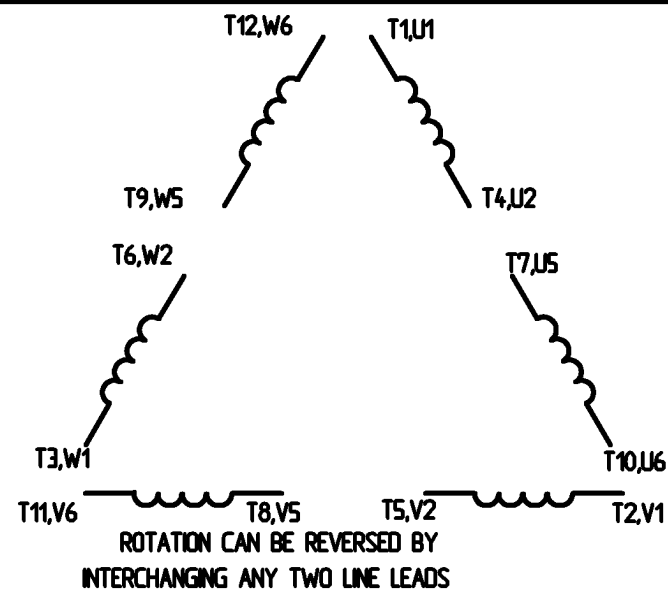
### PART WINDING START USABLE ON 4 & 6 POLE MOTORS LOW VOLTAGE CONNECTION ONLY



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		<div>LEESON</div> <div>ELECTRIC MOTORS GEARMOTORS AND DRIVES</div>	DRAWN C/W 08/28/02	
				DEC.	INCHES		CHK	
				X	± .1		APPO	
				XX	± .01		SCALE	1:1
				XXX	± .005		REF	
				XXXX	± .0005	MAT'L	FMF	
NO.	REVISION	BY & DATE	CHK	ANG	± 1/2°	FINISH	PREV	
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				DST				A
				DRAWING NO. 004172-03				REV.

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