PRODUCT INFORMATION PACKET

Model No: 170033.00
Catalog No: 170033.00
General Purpose Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 3600 & 3000 RPM, 256T Frame, TEFC

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Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	208-230/460 & 190/380 V
Speed	3550 & 2957 rpm	Service Factor	1.15 & 1.15
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	92.4 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	49-46/23 & 40/20 A	Power Factor	88.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6308
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	.295 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	23.19 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	16953860-254T	Connection Drawing	00417203

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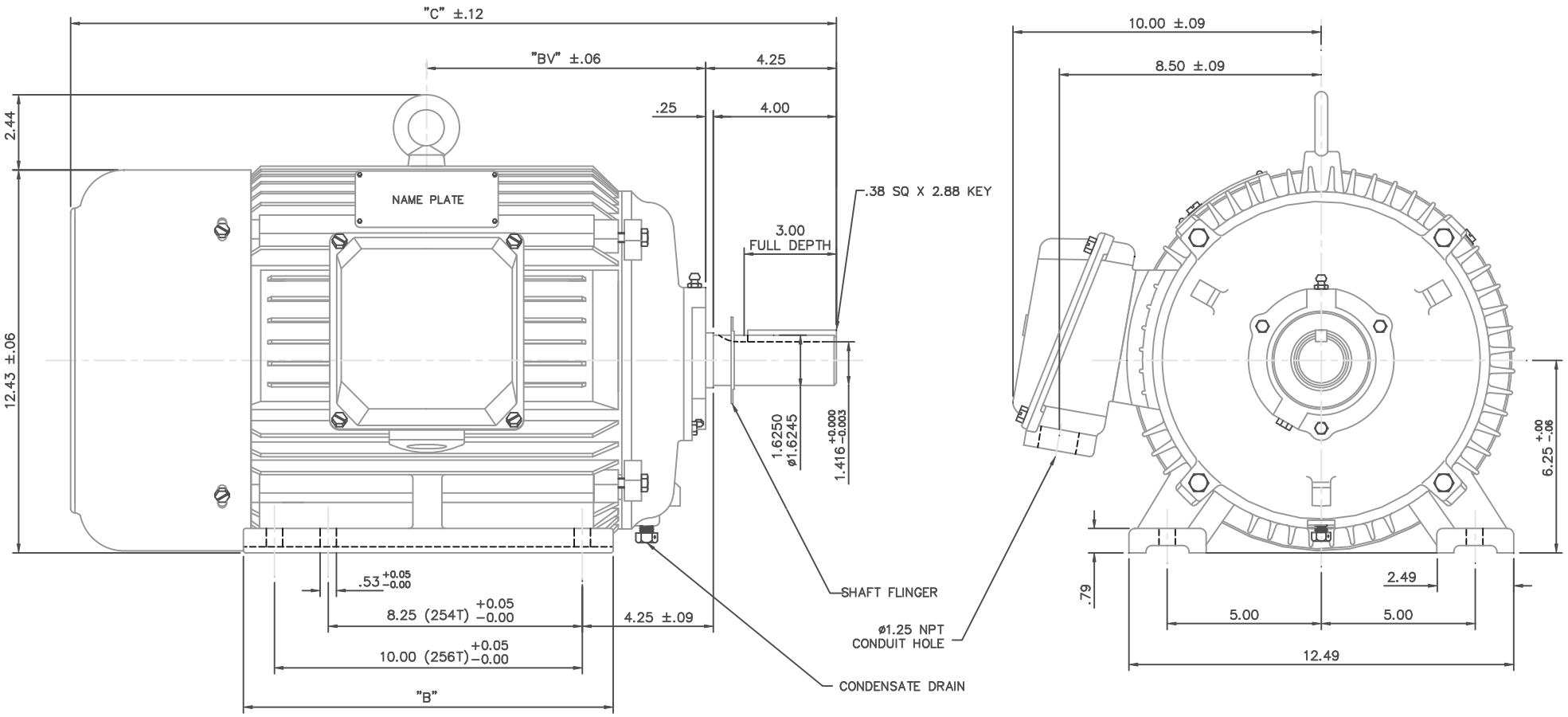

NOTE: 256T HAS 6 MTG. HOLES, USING BOTH 254T AND 256T "2F" LOCATIONS.

FRAME	"C"	"B"	"BV"
254T	23.19	10.25	8.19
256T	24.92	12.00	9.06

NO.	REVISION	BY & DATE	CH'K'D.
01	REDRAWN TO CURRENT CAD STANDARDS	CJK 8/3/01	

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TOLERANCES UNLESS OTHERWISE SPECIFIED		
DEC.	INCHES	METRIC
.X	±.1	±2.5
.XX	±.03	±.76
.XXX	±.005	±.127
.XXXX	±.0005	±.0127
FRACTIONS	±1/64	
ANGLES	±1/2°	

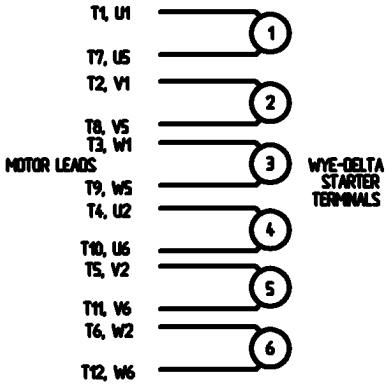
LEESON ELECTRIC CORPORATION

DRAWN DRZ 05/22/01	TITLE: OUTLINE – 250 FRAME TEFC – RIGID, NEW CON-BOX
APPR.	
R.F.P.	MAT'L.: CAST IRON
SCALE 5=16	
REF.	FINISH
FMF	REV. 01
	DRAWING NO. 169538-60

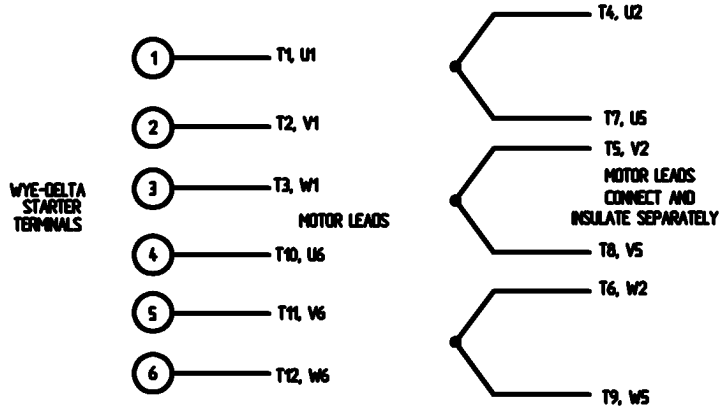
004172-03

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

LOW VOLTAGE CONNECTION

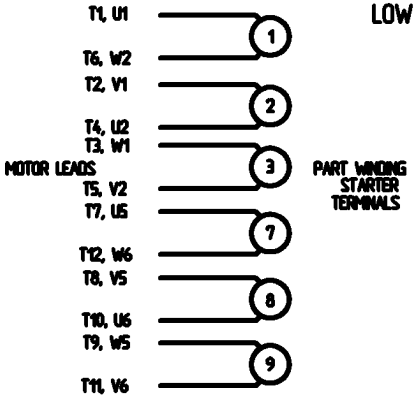


HIGH VOLTAGE CONNECTION



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

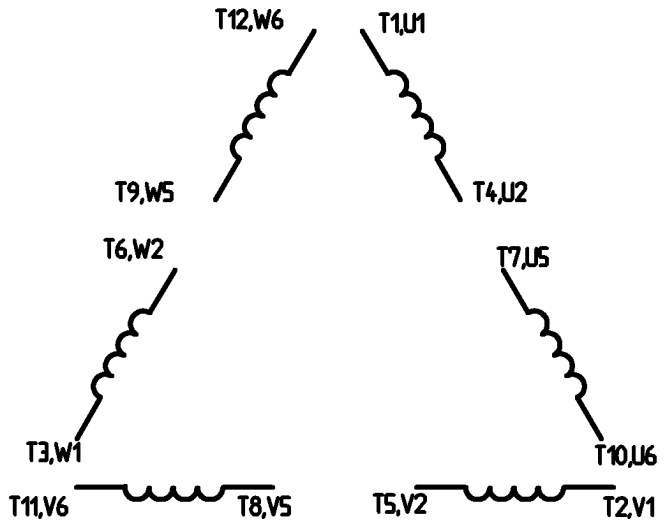
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



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.

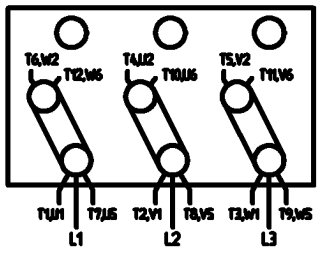
LINE LEADS



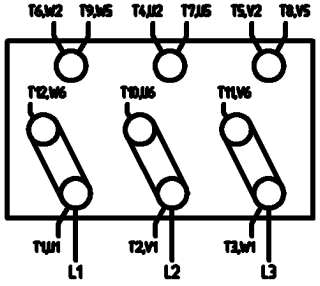
ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS

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	CJW 08/28/02
				DEC.	INCHES		CHK	
				X	± .1		APPD	
				XX	± .01	TITLE DELTA - WYE CONNECTION DIAGRAM IEC CAST IRON MOTORS	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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RFP	CAD FILE 00417203	SIZE A	DRAWING NO. 004172-03	REV.
DIST				

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OFFENDING COMMAND: --nostringval--

STACK:

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