PRODUCT INFORMATION PACKET

Model No: 170369.00
Catalog No: 170369.00
General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 444T Frame, TEFC

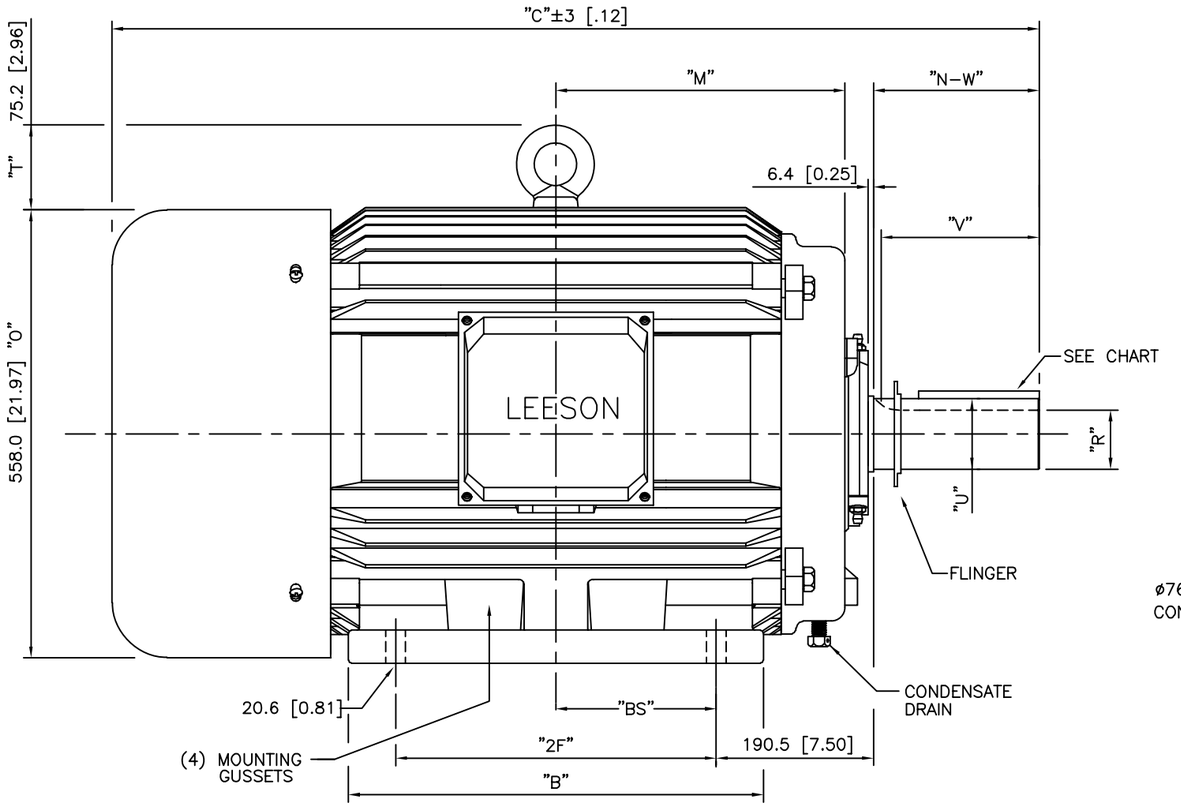
Nameplate Specifications

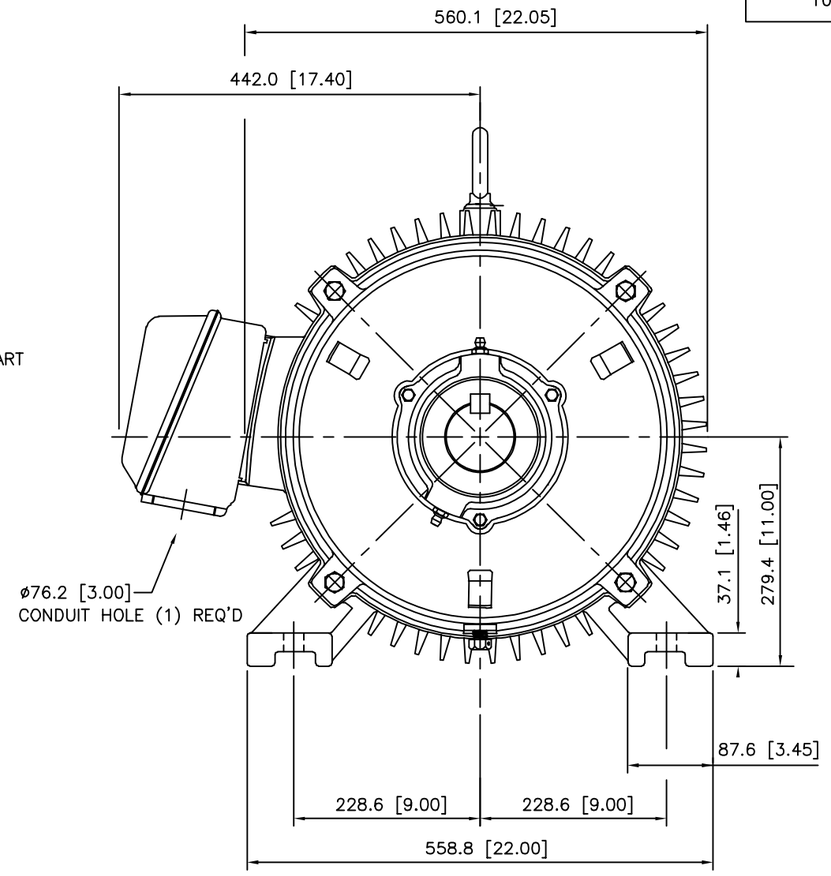
Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	460 & 380 V
Speed	1790 & 1490 rpm	Service Factor	1.15 & 1.15
Frame	444T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 & 95 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	138 & 133 A	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.033 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	42.87 in
Shaft Diameter	3.375 in	Shaft Extension	8.5 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	16950760	Connection Drawing	005190.01

169507





FRAME	"H"	"A"	"G"	"J"	"O + T"
447TZ	21.1 [0.83]	560.1 [22.05]	300.0 [11.81]	110.0 [4.33]	639.8 [25.19]

FRAME	"2F"	"B"	"BS"	"C"	"M"	"R"	"N–W"	"U"	"V"	"KEY" WIDTH	"KEY" THICK	"KEY" LENGTH
444TS	368.3 [14.50]	469.9 [18.50]	---	993.1 [39.10]	640.1 [25.20]	51.33 [2.021]	120.7 [4.75]	60.33 [2.375]	114.3 [4.50]	15.88 [0.625]	15.88 [0.625]	76.20 [3.000]
444T	368.3 [14.50]	469.9 [18.50]	209.0 [8.20]	1088.9 [42.87]	640.1 [25.20]	73.15 [2.880]	215.9 [8.50]	85.73 [3.375]	209.6 [8.25]	22.23 [0.875]	22.23 [0.875]	174.63 [6.875]
445T	419.1 [16.50]	520.7 [20.50]	182.5 [7.20]	1140.0 [44.88]	690.9 [27.20]	73.15 [2.880]	215.9 [8.50]	85.73 [3.375]	209.6 [8.25]	22.23 [0.875]	22.23 [0.875]	174.63 [6.875]
447TZ	508.0 [20.00]	599.9 [23.62]	---	1270.0 [50.00]		73.15 [2.880]	257.3 [10.13]	85.73 [3.375]	251.0 [9.88]	22.23 [0.875]	22.23 [0.875]	215.90 [8.500]

NO.	REVISION	BY & DATE	CHK
1	ADDED BS DIM. UPDATED TITLE BLOCK ECO–0048910	RFH 04/07/2014	EH

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL - BELOIT CORPORATION

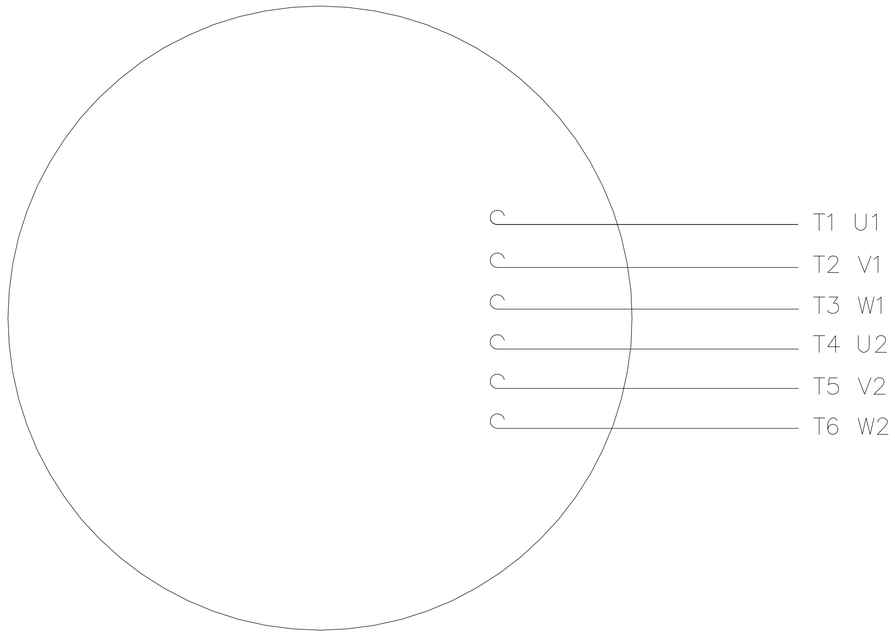
TITLE OUTLINE – 440 FRAME
TEFC – RIGID MOUNT

MAT'L. CAST IRON
FINISH
RFP
DIST
CAD FILE 16950760

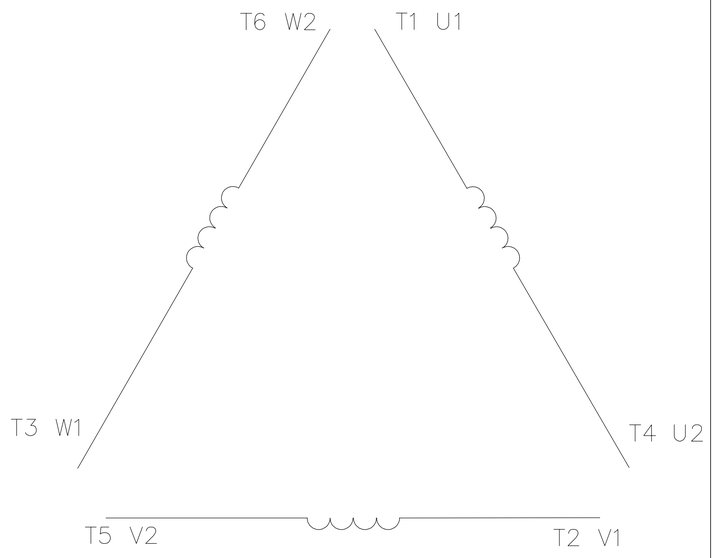
DRAWN DBT 10/20/97
CHK
APPD
SCALE N/A
REF
FMF
PREV

SIZE A | DRAWING NO. 169507 | PAGE 1 OF 1 | REV. 1

005190-01



LINE LEADS



	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

NO.	REVISION	BY	DATE
04	ADDED MAT'L (CWLE) PER ECO-0168542	DS	6/10/2019
03	ADDED IEC DESIGNATIONS	MOL	4/27/2012
02	REMOVED OBSOLETE STATUS	KJH	6/28/99
01	REDRAWN ON CAD	DBT	05/30/97

TOLERANCES UNLESS OTHERWISE SPECIFIED	
DECIMALS	
.00	± .01
.000	± .005
.0000	± .0005
FRACTIONS	± 1/64
ANGLES	± 1/2°
INCH/MM	

LEESON ELECTRIC CORPORATION

DRAWN PG 05/07/82	TITLE: EXT. WIRING DIAGRAM STAR START – DELTA RUN
CH'K'D. TEM	
APPR. 05/07/82	MAT'L. Y-CONNECTED START (CWLE) DELTA CONNECTED RUN – SINGLE VOLTAGE
SCALE 1=1	
REF. T2E	FINISH
FMF ELECTRO POWER	SIZE A; DRAWING NO. 005190-01