PRODUCT INFORMATION PACKET

Model No: 170228.00
Catalog No: 170228.00
OBSOLETE, REPLACED BY 286TSTFCD6005 30 HP 3600 575V TEFC 286TS PREM EFF
General Purpose Motors

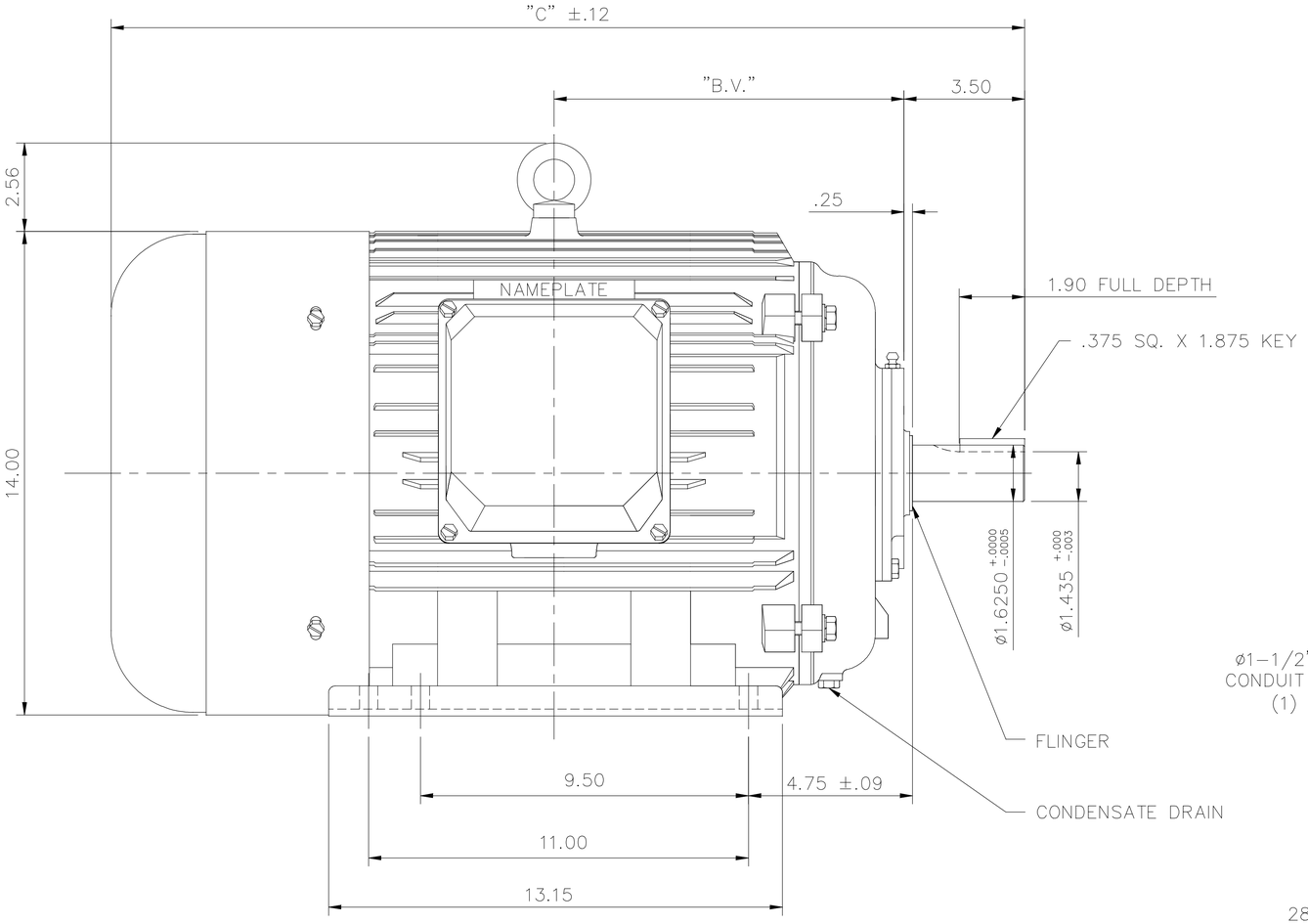
Nameplate Specifications

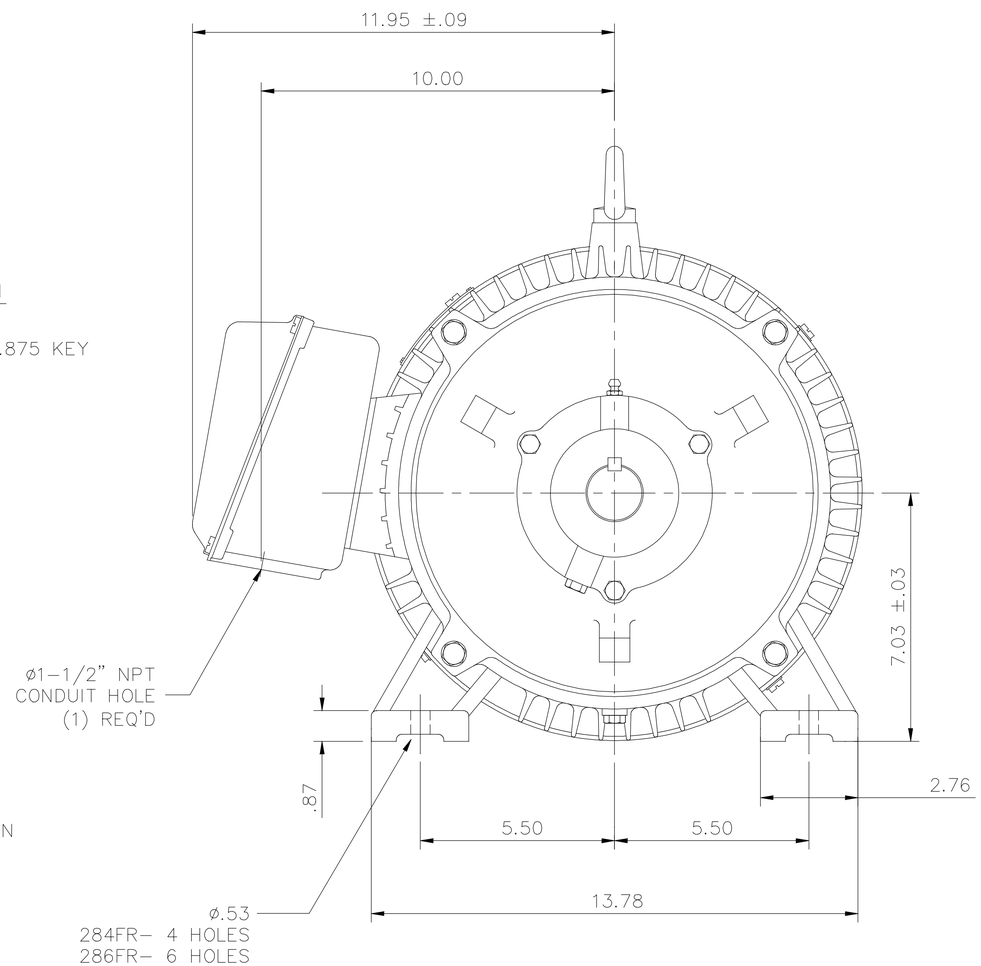
Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	575 V
Current	27.0 A	Speed	3555 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Power Factor	88.7
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	286TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

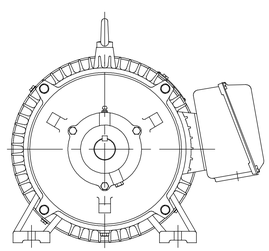
Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Wye Start Delta Run
Poles	2	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	26.46 in	Shaft Diameter	1.625 in
Shaft Extension	3.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	16954060-286TS	Connection Drawing	005190.01

169540-60







F2 VIEW

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

NO.	REVISION	BY & DATE	CHK
H	ADDED F2 VIEW ECO-0134445	WGJ 11/10/2017	EMH
03	REMOVED REFERENCE TO 250 FRAME	MOL 08/15/2012	
02	REDRAWN TO CURRENT CAD STANDARDS	CJK 11/1/01	
01	ADDED HOLES 286TS BASE	JJK 07/13/99	

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

REGAL BELOIT REGAL-BELOIT CORPORATION

TITLE OUTLINE-280TS FRAME, TEFC-RIGID NEW CONDUIT BOX

MAT'L. CAST IRON

FINISH

CAD FILE 16954060

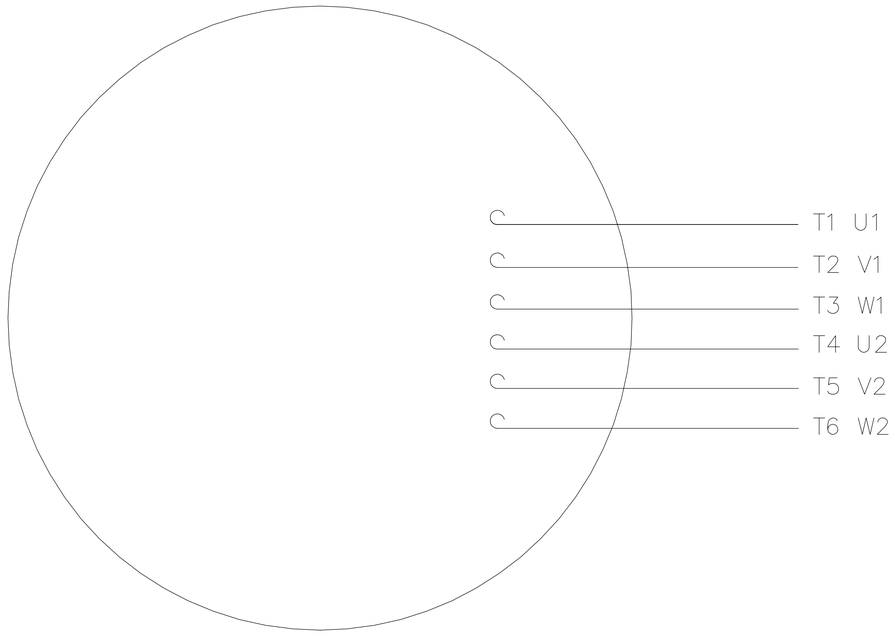
RFP

DIST

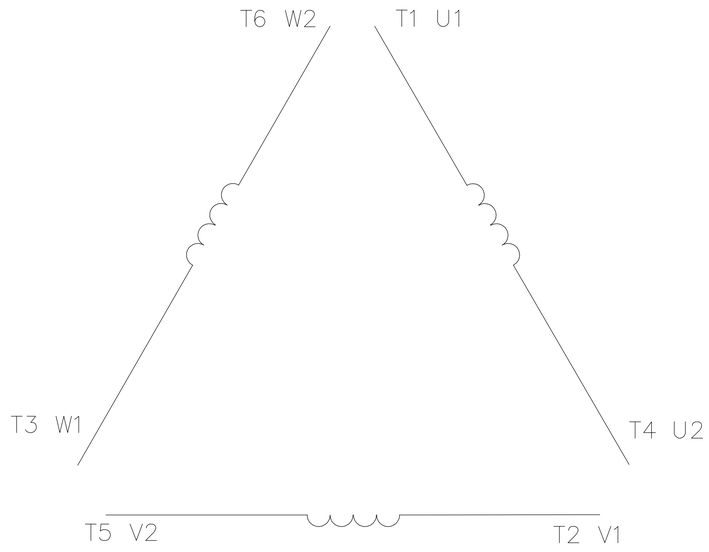
DRAWN JJK 03/29/99
CHK
APPD PG 03/31/99
SCALE 1=4
REF
FMF
PREV

SIZE B | DRAWING NO. 169540-60 | REV. H

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