PRODUCT INFORMATION PACKET

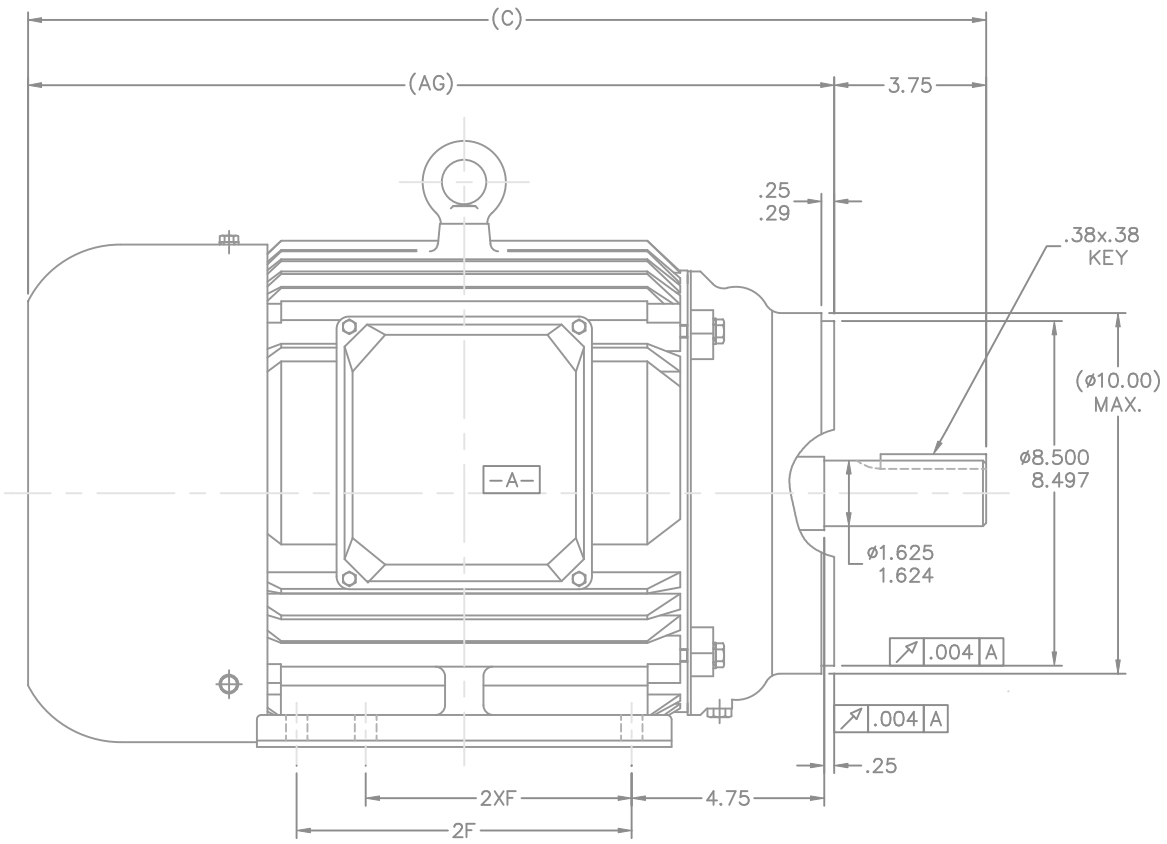
Model No: 171762.00
Catalog No: 171762.00
**OBSOLETE, 256TTFCD6030 ** 20 HP 1800 575 TEFC 256TC W/BASE PREM
General Purpose Motors

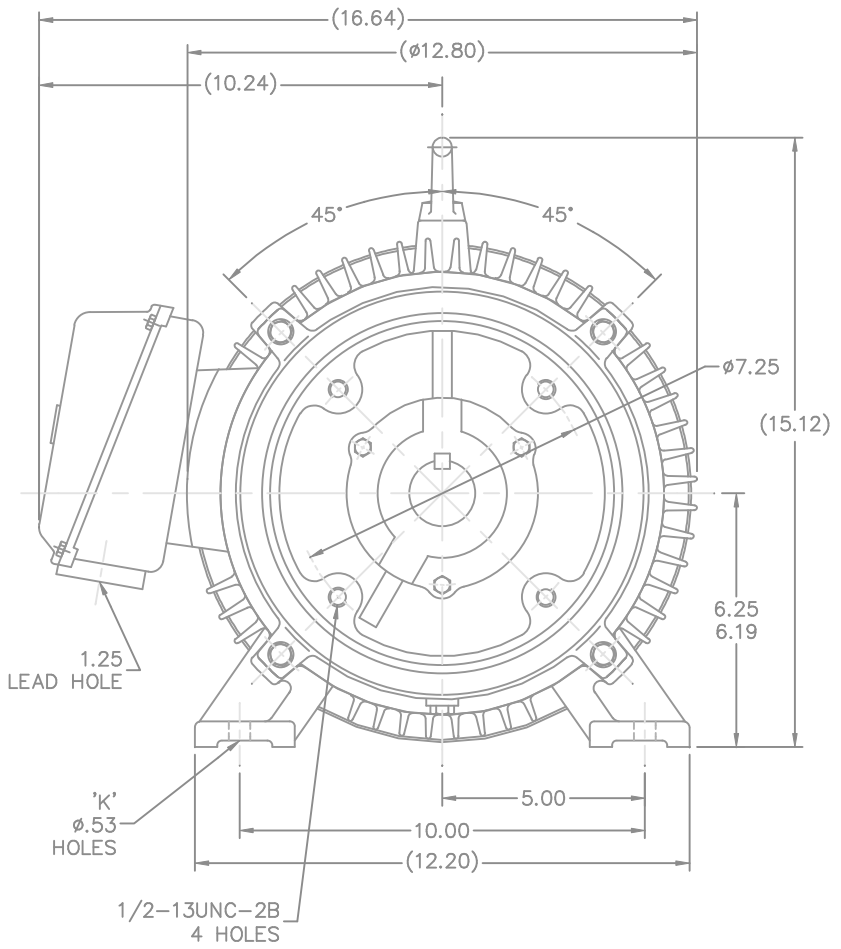
Nameplate Specifications

Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	575 V
Current	20.0 A	Speed	1770 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	256TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
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	4	Rotation	Reversible
Resistance Main	.322 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	25.48 in
Shaft Diameter	1.625 in	Shaft Extension	4 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS622044LE-N256TC-4	Connection Drawing	00519001





NOT DRAWN TO SCALE

DASH	FRAME	C	AG	B	2F	2XF	K	BS
---	N254TC–2	23.75	20.00	---	8.26	---	4	---
---	N254TC–4	23.75	20.00	---	8.26	---	4	---
---	N256TC–2	25.48	21.73	---	10.00	8.26	6	---
---	N256TC–4	25.48	21.73	---	10.00	8.26	6	---

NO.	REVISION	BY & DATE	CHK
			ANG ±7'30"

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE OUTLINE
254/6TC FRAME – C'FACE

MAT'L.

FINISH

CAD FILE ss622044le

RFP

DIST LB

SIZE B

DRAWING NO. SS622044LE

PAGE OF

REV.

DRAWN MSG 08–11–2005

CHK ML 08–12–2005

APPD LMC 08–23–2005

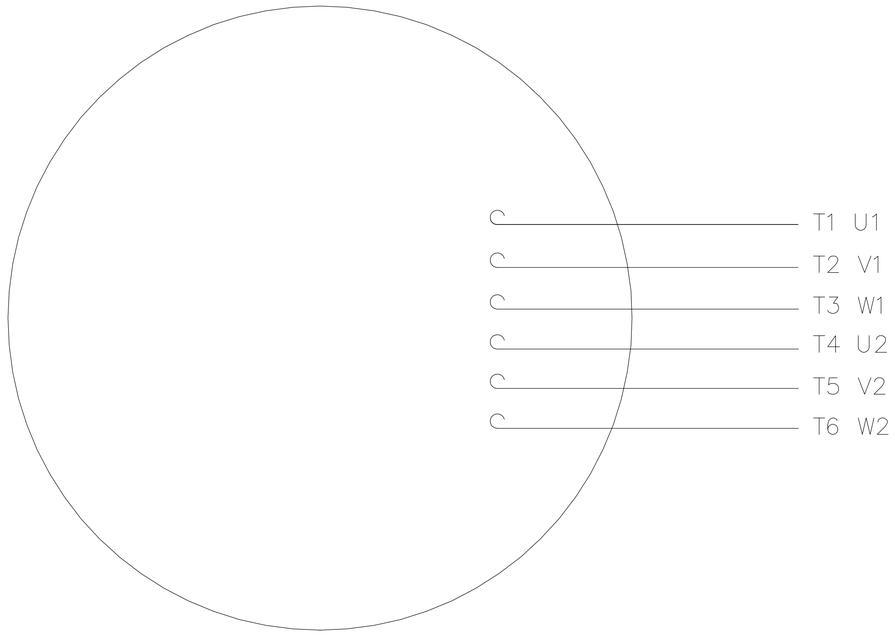
SCALE 3=8

REF

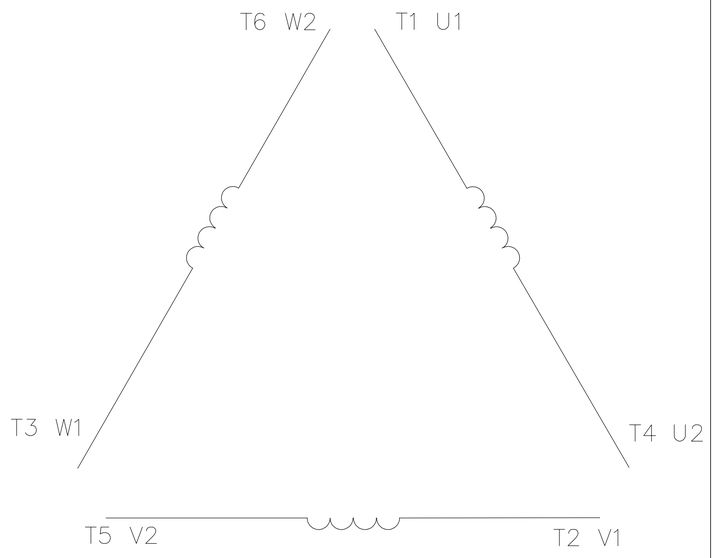
FMF

PREV 250013670–3700

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