PRODUCT INFORMATION PACKET

Model No: 171594.00
Catalog No: 171594.00
General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM, 326TC Frame, TEFC

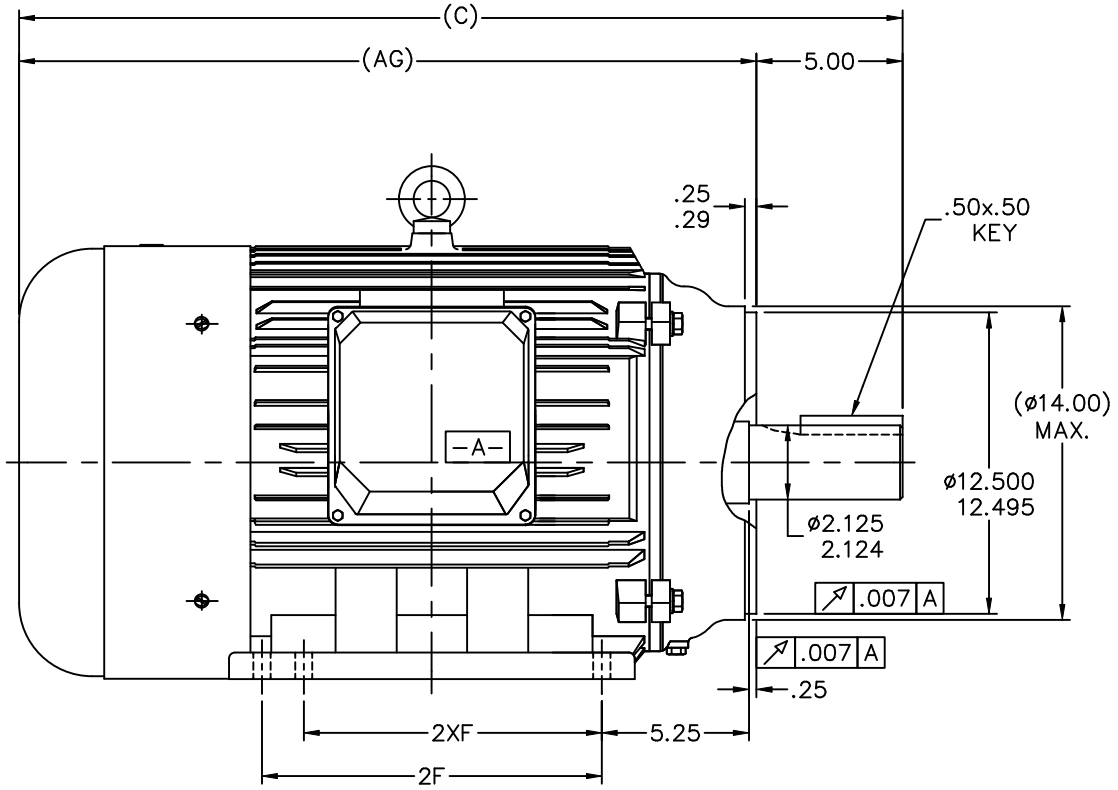
Nameplate Specifications

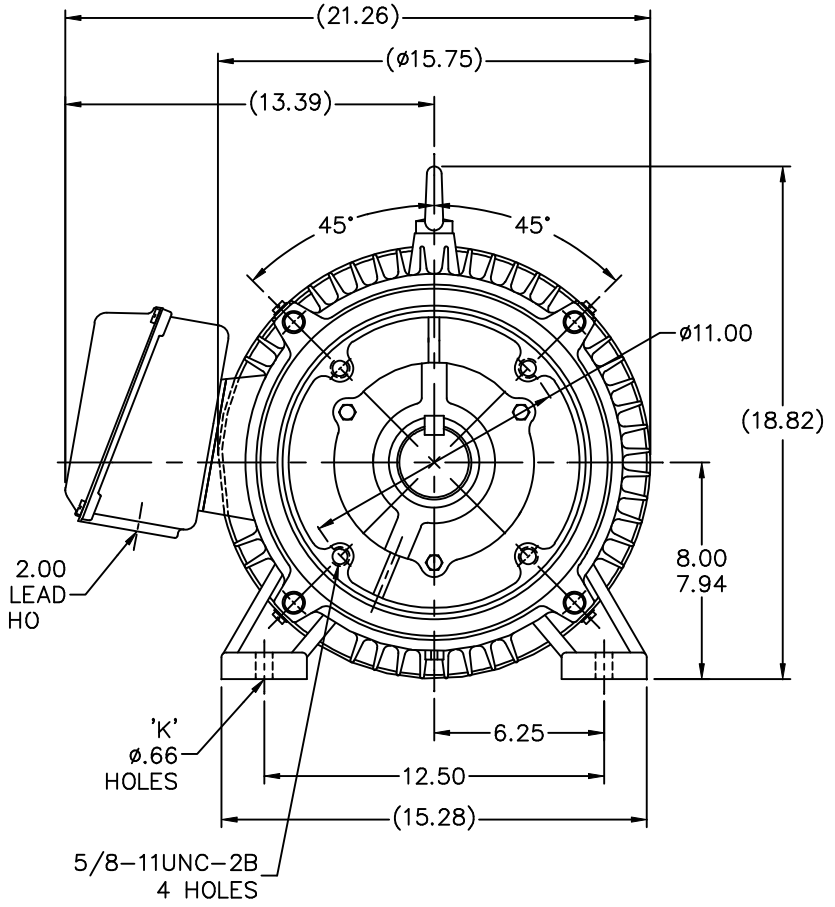
Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	208-230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	326TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	125-117/58.5 & 112/56 A	Power Factor	84
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6312
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	.135 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	31.02 in
Shaft Diameter	2.125 in	Shaft Extension	5 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS622046LE	Connection Drawing	00417203

SS622046LE





NOT DRAWN TO SCALE

DASH	FRAME	C	AG	B	2F	2XF	K	BS
---	N324TC-4	29.53	24.53	---	10.50	---	4	---
---	N326TC-4	31.02	26.02	---	12.00	10.50	6	---

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

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THIS IS AN ELECTRONICALLY GENERATED DOCUMENT – DO NOT SCALE THIS PRINT

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

LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE OUTLINE
324/6TC FRAME – C'FACE

MAT'L.
FINISH
CAD FILE ss622046le
RFP
DIST LB

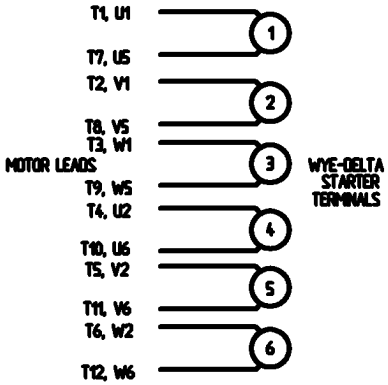
DRAWN	MSG 08-11-2005
CHK	ML 08-12-2005
APPD	LMC 08-24-2005
SCALE	1=2
REF	
FMF	
PREV	250014630-40

SIZE	DRAWING NO.	PAGE OF	REV.
B	SS622046LE		

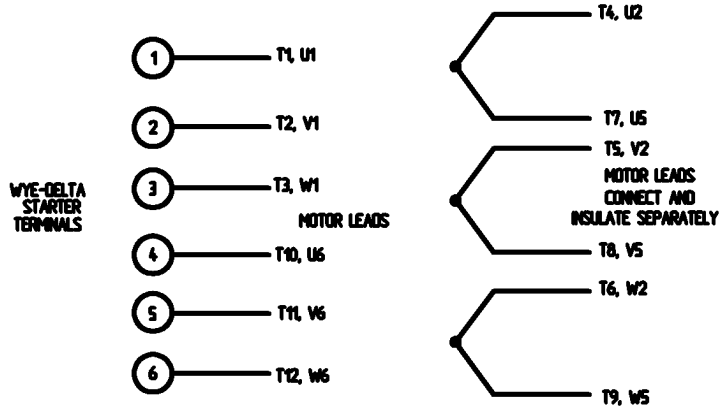
004172-03

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

LOW VOLTAGE CONNECTION

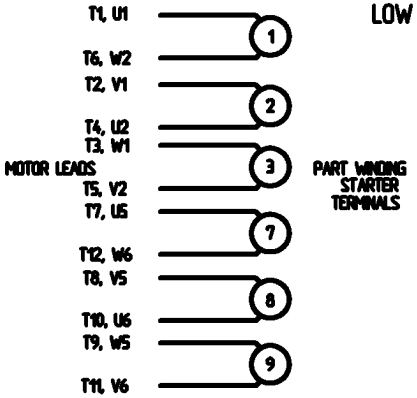


HIGH VOLTAGE CONNECTION



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

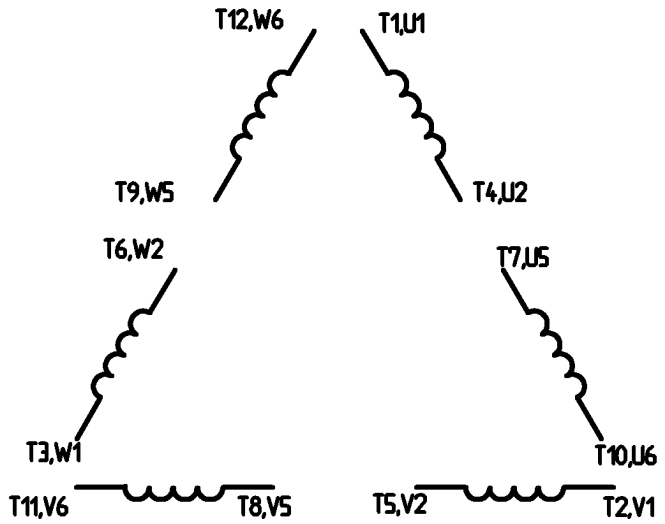
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



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.

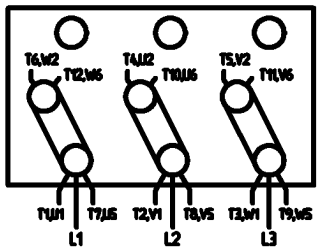
LINE LEADS



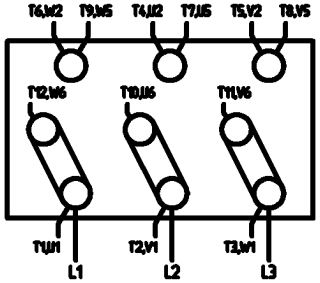
ROTATION CAN BE REVERSED BY INTERCHANGING ANY TWO LINE LEADS

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)



NO.	REVISION	BY & DATE	CHK

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
X	± .1
XX	± .01
XXX	± .005
XXXX	± .0005
ANG	± 1/2°

LEESON — ELECTRIC MOTORS GEARMOTORS AND DRIVES

TITLE: DELTA - WYE CONNECTION DIAGRAM IEC CAST IRON MOTORS

MAT'L:

FINISH:

DRAWN	CJW 08/28/02
CHK	
APPD	
SCALE	1=1
REF	
FMF	
PREV	

RFP

DIST

CAD FILE: 00417203

SIZE: A

DRAWING NO.: 004172-03

REV.

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ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

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