



Customer information packet

IDBRPM403004R1

300HP, 1785/3570RPM, 460V, 3PH, TEBC, FL4034

Specifications

Enclosure	TEBC
Frame	FL4034
Frame Material	Exposed Laminations
Frequency	60.00 Hz
Output @ Frequency	300.000 @ 60 HZ 300.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 460 V @ 60 HZ
Agency Approvals	CCSA US
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	341.000 A @ 460.0 V
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	FL
Heater Indicator	No Heater
High Voltage Full Load Amps	341.0 a
Insulation Class	H
Motor Standards	NEMA
Mounting Arrangement	F3
Overall Length	65.46 IN
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	3.624 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Speed	1785 rpm

Part detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	L6190A
Layout	619653-001
Eff. date	05-03-2022
CD Diagram	422927-001
Poles	04
Leads	
Proprietary	False
Created date	04-09-2015

Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613006MY

	DUTY	HP	RPM	AMPS	VOLTS	HZ	
	CONT	300	1785	341	460		60
	CONT	300	3570	334	460		120
CAT.NO.	IDBRPM403004R1		SPEC. NO.		P40T1331		
SER.NO			FR	FL 4034	INSUL	H	
PH.	3	MAX SAFE SPEED		3750	AMB.	40	MIN. AMB.
DESIGN NO.	L6190A		TYPE		ENCL.	TEAO-BC	
S.F.	1.00		D.E. BRG.		95BC02J30X		
ENCL MOD			O.D.E. BRG.		6316/C3VL0241		

REL. S.O.	-	VOLTS	460	ENCLOSURE	TEBC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 °C)
FRAME	FL4034	AMPS	341	MAX SAFE RPM	3750	R1 .00622 X1 .0596
HP	300	DUTY	CONT	IM (AMPS)	112	R2 .00444 X2 .0774
BASE SPEED	1785	S.F.	1.0	P.F.@NL/FL	.042/.874	XM 2.17
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (lb.-ft ²)	73	

RATED FULL LOAD DATA

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1787	300	882	460	60	341
MAX SPEED	3571	300	441	460	120	335
MIN SPEED	0	0	882	6.23	.441	341

LOAD PERFORMANCE AT BASE SPEED

	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	112
1/4	1797	75.1	219	460	60	147
1/2	1794	150	440	460	60	201
3/4	1790	225	660	460	60	268
FULL LOAD	1787	300	882	460	60	341
O/L	1772	595	1764	460	60	663

REMARKS: TYPICAL DATA

BALDOR

A MEMBER OF THE ABB GROUP

DR. BY

CK. BY

APP. BY

DATE

K. GREEN

B. D. GRANT

J. MARTIN

6-10-14

A-C MOTOR

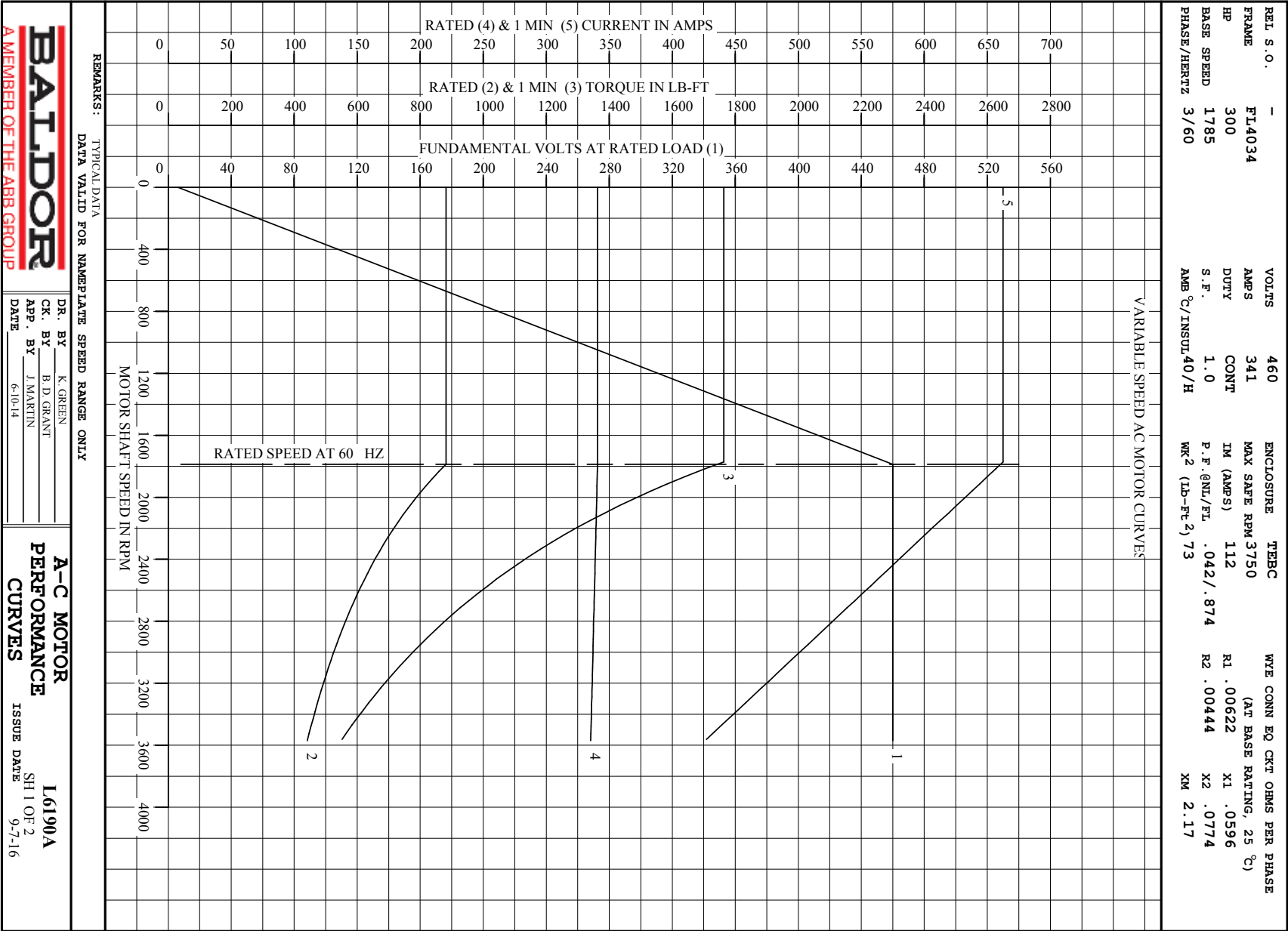
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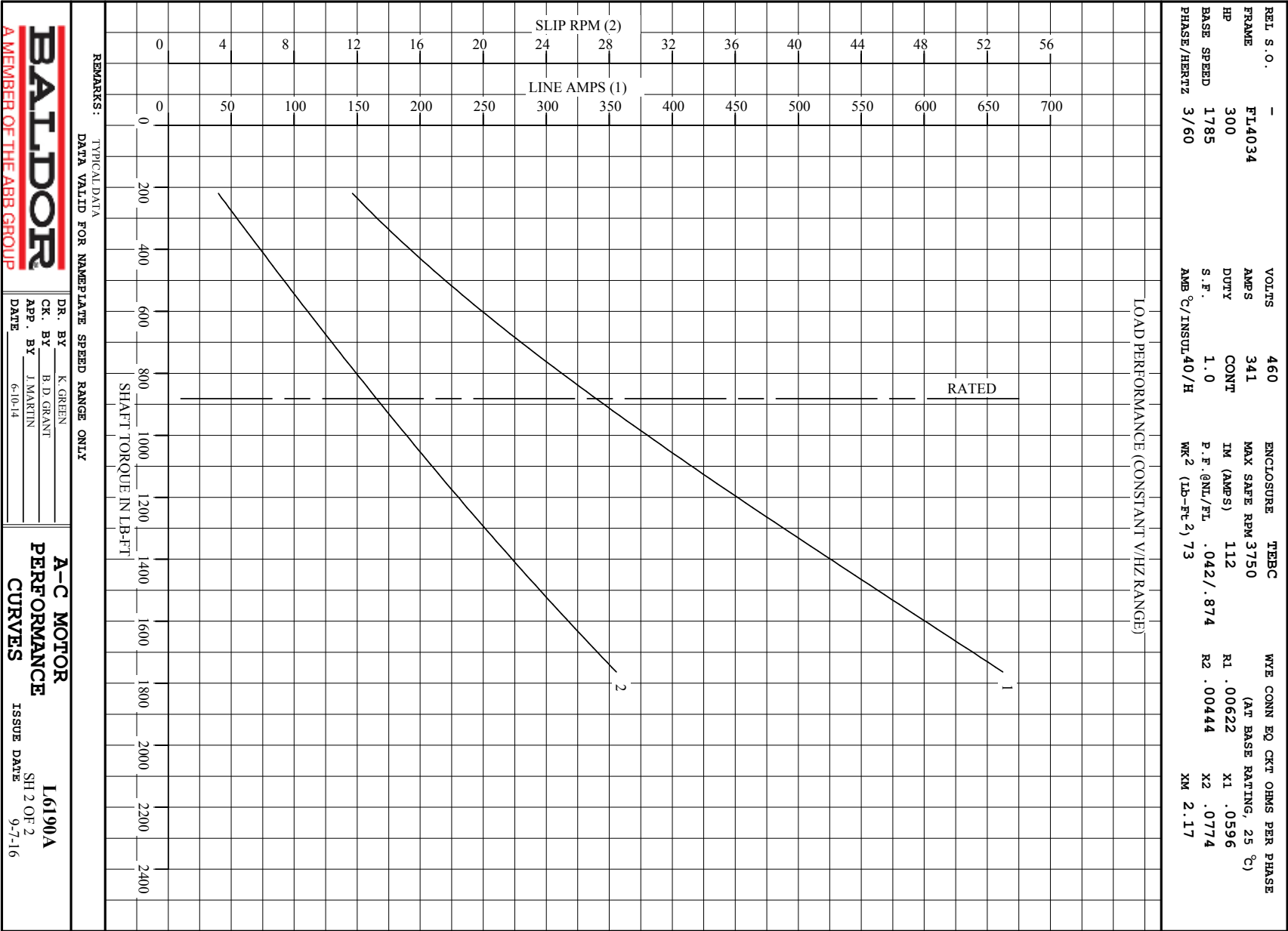
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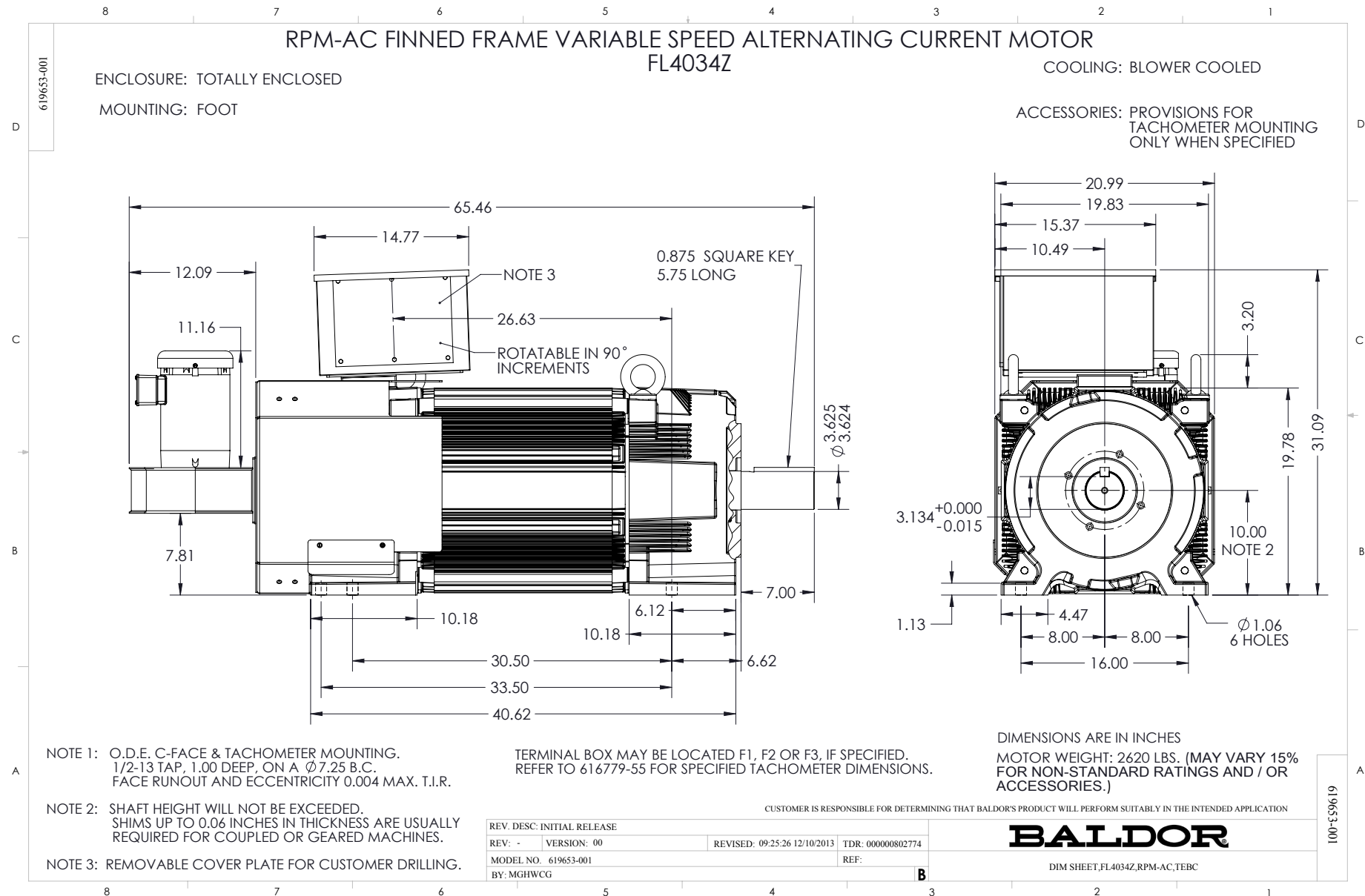
L6190A

ISSUE DATE

9-7-16







422927-001

2.88 MAX.

3.25 MAX.

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3 PHASE-DUAL VOLTAGE

LOW VOLTAGE		HIGH VOLTAGE	
P1	} THERMOSTAT LEADS	P1	} THERMOSTAT LEADS
P2			
U/T1	L1	U/T1	L1
T7		V/T2	L2
V/T2	L2	W/T3	L3
T8		T4	
W/T3	L3	T7	
T9		T5	
T4		T8	
T5		T6	
T6		T9	

3 PHASE-SINGLE VOLTAGE

P1	} THERMOSTAT LEADS	
P2		
U/T1	L1	
V/T2	L2	
W/T3	L3	

IF REQUESTED

H1	} SPACE HEATER LEADS	TD1	} RTD OR THERMISTOR LEADS
H2			

NOTE:
CONNECT ALL LEADS
WITH THE SAME MARKING
TOGETHER WHEN CONNECTING
POWER TO THE MOTOR

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NOTE:
DATA TO BE SIZED
SO THAT IT FITS INTO
MATERIAL DECAL
DIMENSIONS. MAKE
LETTERS & NUMBERS
AS LARGE AS POSSIBLE.

MATERIAL:

CERAMATIC DGF-P4
PERMA GRIP ADHESIVE

ALL LETTERS, NUMBERS
AND LINES TO BE BLACK
ON WHITE BACKGROUND.

REV. DESC: CHANGE BACKGROUND COLOR FROM GOLD TO WHITE

REV. LTR: B

VERSION: 02

TDR: 000000788708

FILE: \RGG\00000\203

REVISED: 08:09:29 03/04/2013

MTL: -

BY: RGGWT

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EXTERNAL CONNECTION LABEL

SH 1 of 1

422927-001

L6190A: Electrical Design

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