

BALDOR® • RELIANCE

Product Information Packet

IDFRPM25304C

30 HP 1750 TEFC FL2570C (250TC)

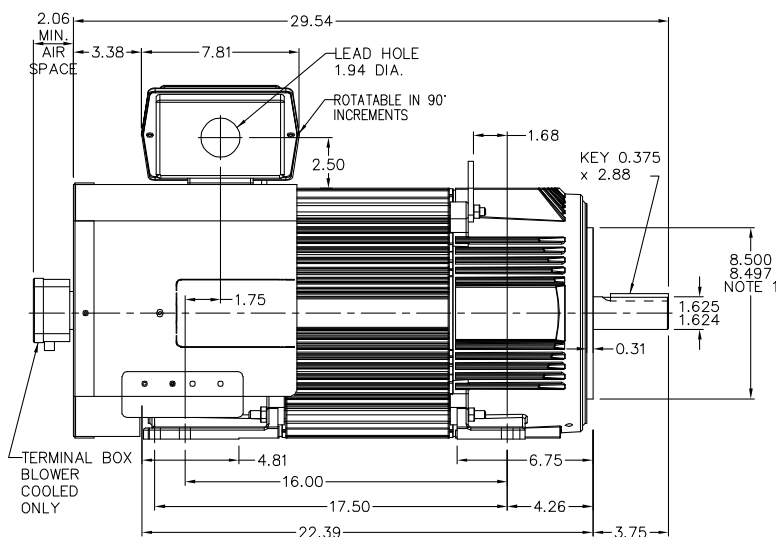
Part Detail			
Model Number:	IDFRPM25304C	Environment:	General Purpose
Voltage:	460	Output:	30 HP
RPM:	1780/3555	Efficiency:	NA
Phase:	3	Frequency:	N/A
Inverter Duty:	Y	Enclosure:	TEFC
Frame Group:	250	Frame Size:	FL2570C
Features:	RPM AC	Mounting:	Foot Mounted
Service Factor:	1	Enclosure Group:	TEFC
Weight:	0	Price Symbol:	E2
Speed Range:		Insulation Class:	H
Nema Design:		Encl. Enhancement:	
Catalog Page:	B-194	Dimension Sheet:	617573-23
Connection Diagram:	422927-1	Electric Design:	L3379A
Single HP:	30	Get Notes:	RPM AC
Revision:		Instruction Manual:	
Application:	Variable Speed-V*S	Epact:	
Scaled Drawing:		Obsolete:	N
Last Data Source:	RGG,MADD	Bearing Type:	
Electrical Type:		Mounting Pos.:	
Ambient:	40	Duty:	
Amps:		Nominal Eff.:	
Kva Code:		Power Factor:	
Poles:	00	Literature:	

617573-023

RPM-AC FINNED FRAME VARIABLE SPEED ALTERNATING CURRENT MOTOR FL2570C

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT / NEMA 250TC C-FACE
DRIVE METHOD: COUPLED OR BELTED

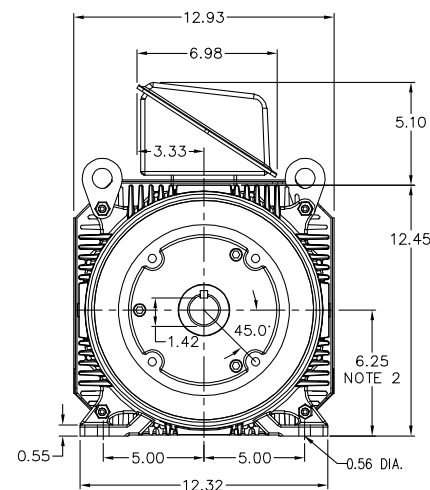
COOLING: BLOWER COOLED or
FAN COOLED
ACCESSORIES: PROVISIONS FOR
TACHOMETER MOUNTING
ONLY WHEN SPECIFIED



NOTE 1: C-FACE & TACHOMETER MOUNTING
1/2-13 TAP, 1.00 DEEP, ON A 7.25 DIA. BOLT CIRCLE
FACE RUNOUT AND ECCENTRICITY 0.004 MAX. T.I.R.

NOTE 2: SHAFT HEIGHT WILL NOT BE EXCEEDED
SHIMS UP TO 0.03 INCHES IN THICKNESS ARE USUALLY
REQUIRED FOR COUPLED OR GEARED MACHINES

TERMINAL BOX MAY BE LOCATED F1 OR F2 IF SPECIFIED
121 AMP STEEL TERMINAL BOX SHOWN
REFER TO 616779-50 FOR SPECIFIED TERMINAL BOX DIMENSIONS
REFER TO 616779-55 FOR SPECIFIED TACHOMETER DIMENSIONS



MOTOR WEIGHT: 475 LBS. (MAY VARY 15%)
DIMENSIONS ARE IN INCHES SCALE: 1.00

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ADDED C-FACE DEPTH DIMENSION

REV. LTR: A

VERSION: 01

TDR: 000000493632

FILE: \RGG\00003\142

REVISED: 14:34:48 03/13/2009

BY: CONDLN

MTL: -

BALDOR • DODGE • RELIANCE
DIM SHT FL2570C RPM AC TE FT/NEMA 250TC MTG BLWR OR FAN COOL
SH 1 of 1

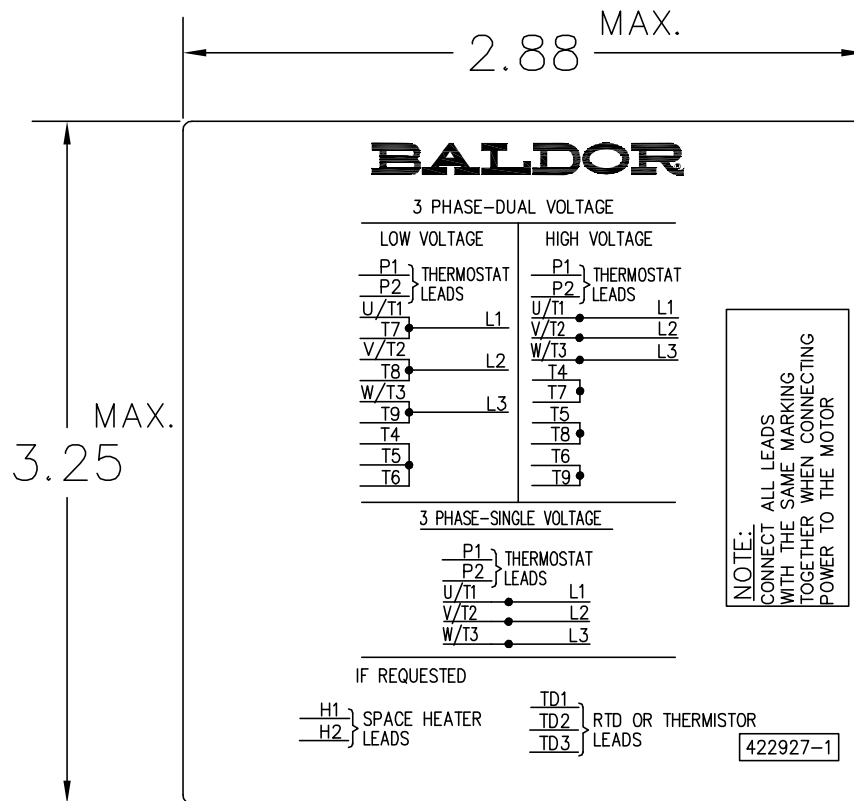
617573-023

422927-001

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.



NOTE:
CONNECT
WITH THE
TOGETHER
POWER T

422927-1

422927-001

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

REL. S.O.	-	VOLTS	460	ENCLOSURE	TEFC	WYE CONN	EQ CKT OHMS PER PHASE
FRAME	FL2570	AMPS	39	MAX SAFE RPM	5000	(AT BASE RATING, 25 °C)	
HP	30	DUTY	CONT	IM (AMPS)	20	R1	.106
BASE SPEED	1780	S.F.	1.0	P.F. @NL/FL	.054/.796	R2	.0656
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (LB-FT ²)	3.5	X1	.513
						X2	.782
						XN	13.4

RATED FULL LOAD DATA						
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1780	30.0	89	460	60	38.7
MAX SPEED	3555	30.0	44	460	120	35.7
MIN SPEED	0	0	89	11.7	.682	38.7

LOAD PERFORMANCE AT BASE SPEED						
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	19.3
1/4	1795	7.51	22	460	60	21.5
1/2	1790	15.0	44	460	60	25.8
3/4	1785	22.5	66	460	60	31.8
FULL LOAD	1780	30.0	89	460	60	38.7
0/L	1756	59.2	177	460	60	70.3

BLOWER DATA					
	VOLTS	PH/HZ	FL AMPS	LR AMPS	CFM

REMARKS: TYPICAL DATA
CORRELATED DATA

	DR. BY	B. GRANT	A-C MOTOR PERFORMANCE DATA L3379A ISSUE DATE 2-12-07
	CK. BY	B. GRANT	
	APP. BY	T. CUPR	
	DATE	8-11-06	

