

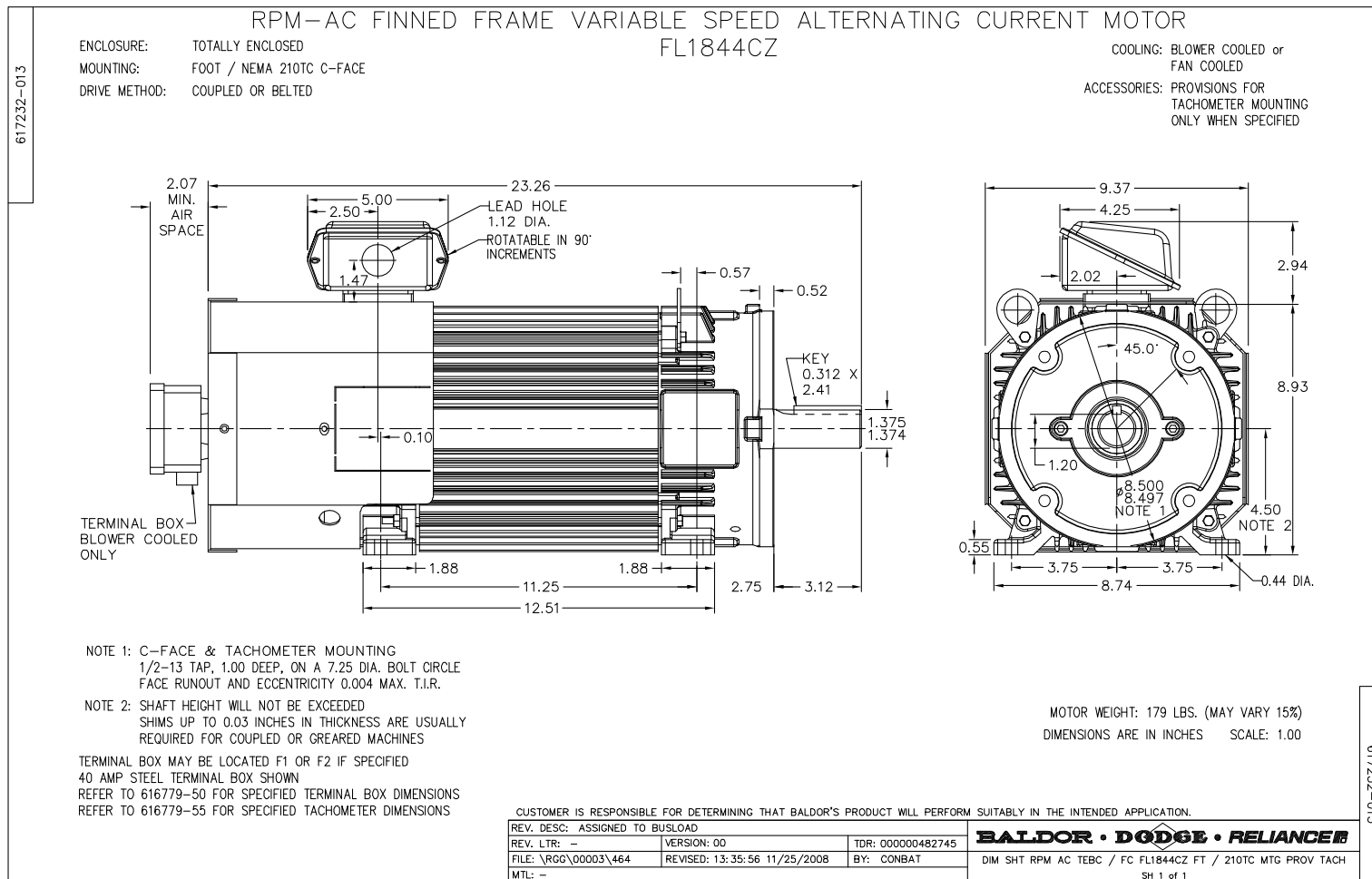
BALDOR® • RELIANCE

Product Information Packet

ZDFRPM18104C

10HP, 1750RPM, 3PH, 60HZ, 1844C, TEFC, FOOT

Part Detail			
Model Number:	ZDFRPM18104C	Environment:	General Purpose
Voltage:	230/460	HP:	10
RPM:	1765/3530	Efficiency:	NA
Phase:	3	Frequency:	N/A
Inverter Duty:	Y	Enclosure:	TEFC
Frame Group:	180	Frame Size:	FL1844CZ
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-196	Dimension Sheet:	617232-13
Connection Diagram:	422927-1	Electric Design:	L3219A
Single HP:	10	Get Notes:	RPM AC
Revision:		Instruction Manual:	
Application:	Variable Speed-V*S	Epact:	Y
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:	



422927-001														
← 2.88 MAX. → ↑ 3.25 MAX. ↓ BALDOR 3 PHASE-DUAL VOLTAGE <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; text-align: left;">LOW VOLTAGE</th> <th style="width: 50%; text-align: left;">HIGH VOLTAGE</th> </tr> <tr> <td> P1 } THERMOSTAT P2 } LEADS U/T1 T7 V/T2 T8 W/T3 T9 T4 T5 T6 L1 L2 L3 </td> <td> P1 } THERMOSTAT P2 } LEADS U/T1 V/T2 W/T3 T4 T7 T5 T8 T6 T9 L1 L2 L3 </td> </tr> <tr> <td colspan="2" style="text-align: center;"> 3 PHASE-SINGLE VOLTAGE P1 } THERMOSTAT P2 } LEADS U/T1 V/T2 W/T3 L1 L2 L3 </td> </tr> <tr> <td colspan="2" style="text-align: center;"> IF REQUESTED H1 } SPACE HEATER H2 } LEADS TD1 } RTD OR THERMISTOR TD2 } LEADS TD3 } </td> </tr> </table> NOTE: CONNECT ALL LEADS WITH THE SAME MARKING TOGETHER WHEN CONNECTING POWER TO THE MOTOR			LOW VOLTAGE	HIGH VOLTAGE	P1 } THERMOSTAT P2 } LEADS U/T1 T7 V/T2 T8 W/T3 T9 T4 T5 T6 L1 L2 L3	P1 } THERMOSTAT P2 } LEADS U/T1 V/T2 W/T3 T4 T7 T5 T8 T6 T9 L1 L2 L3	3 PHASE-SINGLE VOLTAGE P1 } THERMOSTAT P2 } LEADS U/T1 V/T2 W/T3 L1 L2 L3		IF REQUESTED H1 } SPACE HEATER H2 } LEADS TD1 } RTD OR THERMISTOR TD2 } LEADS TD3 }		NOTE: DATA TO BE SIZED SO THAT IT FITS INTO MATERIAL DECAL DIMENSIONS. MAKE LETTERS & NUMBERS AS LARGE AS POSSIBLE. <u>MATERIAL:</u> CERAMATIC DGF-P4 PERMA GRIP ADHESIVE ALL LETTERS, NUMBERS AND LINES TO BE BLACK ON GOLD BACKGROUND.			
LOW VOLTAGE	HIGH VOLTAGE													
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MTL: -	BY: RGGWT													

422927-001

REL S.O.	-	VOLTS	460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE (AT BASE RATING, 25 °C)
FRAME	FL1844	AMPS	13.9	MAX SAFE RPM	7200	
HP	10	DUTY	CONT	IM (AMPS)	8	R1 .439 X1 1.50
BASE SPEED	1765	S.F.	1.0	P.F. @NL/FL	.063/.768	R2 .308 X2 1.86
PHASE/HERTZ	3/60	AMB °C/INSUL	40/H	WK ² (LB-FT ²)	.645	XM 33.2

RATED FULL LOAD DATA						
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1766	10.0	30	460	60	14.1
MAX SPEED	3527	10.0	15	460	120	12.5
MIN SPEED	0	0	30	17.6	1.14	14.1

LOAD PERFORMANCE AT BASE SPEED						
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	7.89
1/4	1791	2.50	7	460	60	8.59
1/2	1783	5.01	15	460	60	9.97
3/4	1775	7.50	22	460	60	11.8
FULL LOAD	1766	10.0	30	460	60	14.1
0/L	1725	19.6	60	460	60	25.1

BLOWER DATA	VOLTS	PH/HZ	FL AMPS	LR AMPS	FRAME	CFM
	REMARKS: TYPICAL DATA					

	DR. BY	B. GRANT	A-C MOTOR PERFORMANCE DATA L3219A ISSUE DATE 3-8-06
	CK. BY	B. GRANT	
	APP. BY	T. CUFR	
	DATE	3-8-06	

