

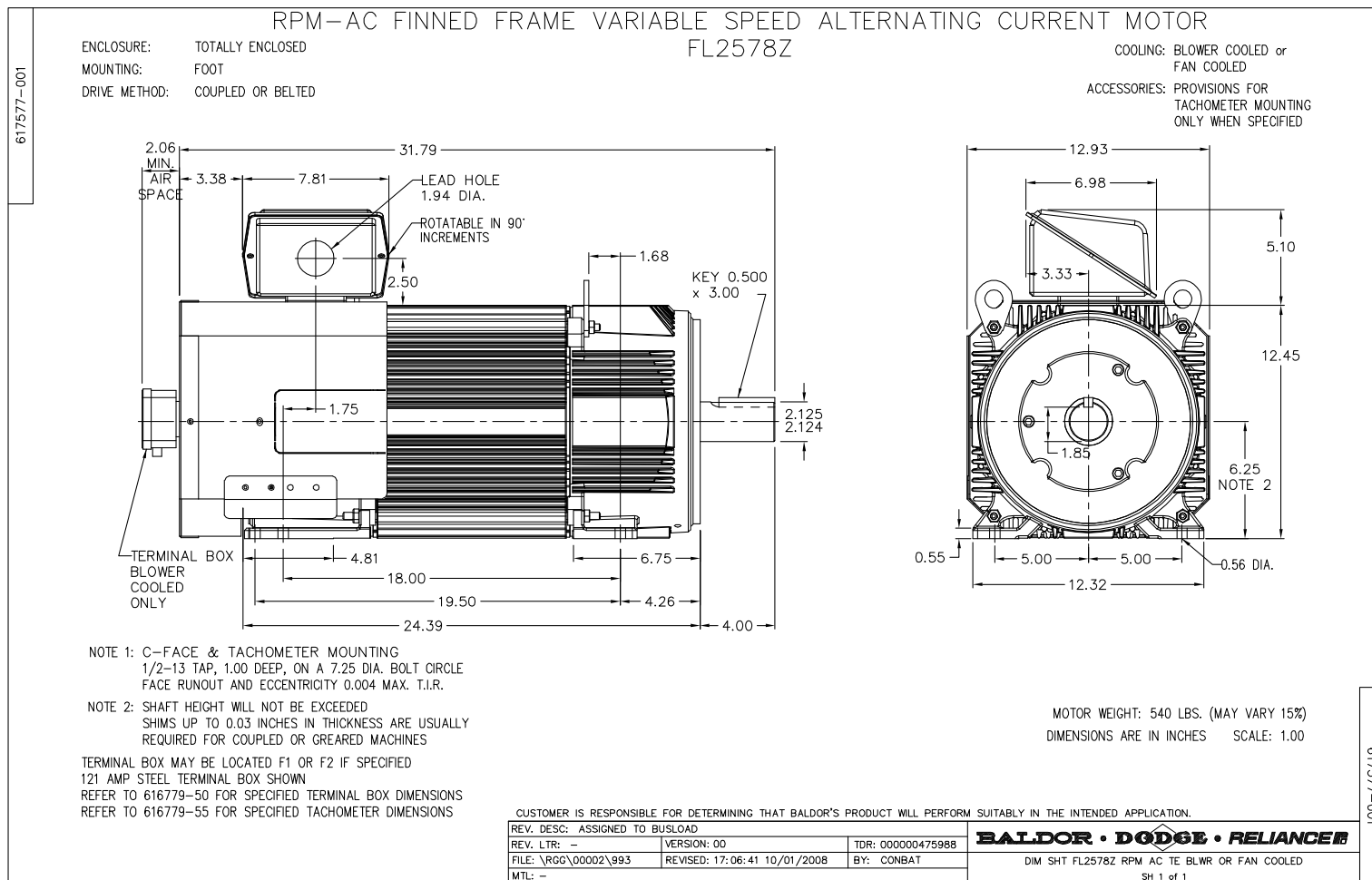
BALDOR® • RELIANCE

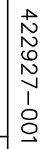
Product Information Packet

ZDPM25075-BV

75HP,1800RPM,3PH,60HZ,2578,TEBC,FOOT,

Part Detail			
Model Number:	ZDPM25075-BV	Environment:	General Purpose
Voltage:	460	HP:	75
RPM:	1800/1980	Efficiency:	
Phase:	3	Frequency:	N/A
Inverter Duty:	Y	Enclosure:	TEBC
Frame Group:	250	Frame Size:	FL2578
Features:	Vector Duty	Mounting:	
Service Factor:	1	Enclosure Group:	TEBC
Weight:	0	Price Symbol:	E2
Speed Range:		Insulation Class:	H
Nema Design:		Encl. Enhancement:	
Catalog Page:	197	Dimension Sheet:	617577-1
Connection Diagram:	422927-1	Electric Design:	PM3929A
Single HP:	75	Get Notes:	Vector Duty
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:	



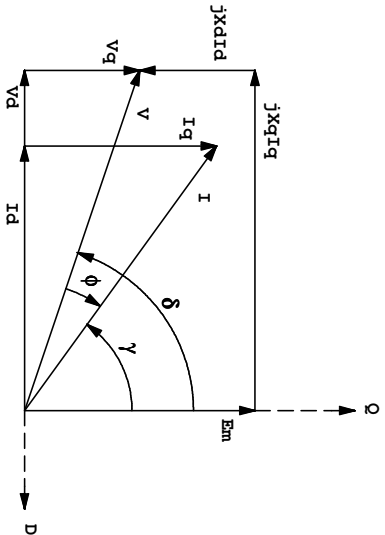


S.O. 0	VOLTS 460	TYPE	IPM	STATOR RES. @ 25 °C	.0799
FRAME FL2578	AMPS 81.2	ENCLOSURE	TEBC	OHMS (BETWEEN LINES)	
HP 60	DUTY CONT	MAX SAFE RPM	5000		
BASE SPEED 1800	S.F. 1.0	WK ² (LB-FT ²)	4.90		
PHASE/HERTZ 3/60	AMB °C/INSUL	40/H	MAX INSTANTANEOUS OVERLOAD AMPS	243.6	

VARIABLE SPEED PERFORMANCE

HP	AMPS (rms)	RPM	GAMMA*	POWER FACT.	EFF.	VOLTS (L-L) (rms)	Em (L-N) (rms)	Lq (mH)	Ld (mH)
OpenCkt**	N/A	1800	5.0	N/A	N/A	N/A	172	N/A	N/A
OpenCkt, hot	N/A	1800	5.0	N/A	N/A	N/A	152	N/A	N/A
14.9	20.3	1800	30.2	96.7	94.7	346	152	21.2	2.94
34.1	40.6	1800	37.6	94.3	95.5	402	152	15.9	2.93
53.9	60.9	1800	41.3	92.4	95.9	430	152	12.8	2.93
75.0	81.2	1800	45.0	90.8	95.8	458	152	11.3	2.92

Remarks: TYPICAL DATA
CONSTANT TORQUE 0-1800 RPM, CONSTANT POWER 1800-3000 RPM
200% OVERLOAD BELOW BASE SPEED TAPERED TO 100% AT 3000 RPM



*Gamma is the current angle relative to counter emf, defined to be positive when current leads counter emf.

Equivalently, Gamma is positive when Id is negative.

**Data at 25°C - all other data at rated temperature

BALDOR	DR. BY _____	CD _____	IPM MOTOR
	CK. BY _____	RM _____	PERFORMANCE
	APP. BY _____	RM _____	DATA
	DATE 5/10/10		PM3929A
			ISSUE DATE 5/10/10

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