

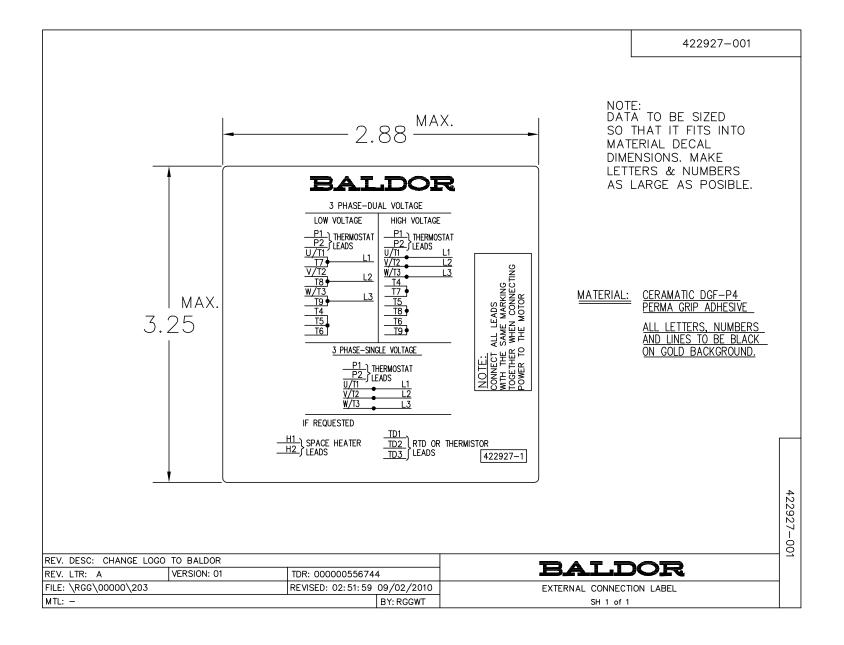
## BALDOR · RELIANCE II

## **Product Information Packet**

**ZDPM21040-BV** 

40HP,1800RPM,3PH,60HZ,2162,TEBC,FOOT,

Part Detail							
Model Number:	ZDPM21040-BV	Environment:	General Purpose				
Voltage:	460	HP:	40				
RPM:	1800/1980	Efficiency:					
Phase:	3	Frequency:	N/A				
Inverter Duty:	Υ	Enclosure:	TEBC				
Frame Group:	210	Frame Size:	FL2162				
Features:	Vector Duty	Mounting:					
Service Factor:	1	Enclosure Group:	TEBC				
Weight:	0	Price Symbol:	E2				
Speed Range:		Insulation Class:	Н				
Nema Design:		Encl. Enhancement:					
Catalog Page:	197	Dimension Sheet:	617517-1				
Connection Diagram:	422927-1	Electric Design:	PM3927A				
Single HP:	40	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:					



BALDOR  DR. BY CD  CK. BY RM  A MEMBER OF THE ABB GROUP  DR. BY RM  APP. BY RM  DATE 5/3/10	jxdId  Iq  V  V  Vd  Id  D	Remarks: TYPICAL DATA CONSTANT TORQUE 0-1800 RPM, CONSTANT POWER 1800-3000 RPM 200% OVERLOAD BELOW BASE SPEED TAPERED TO 100% AT 3000 RPM	40.0 43.0 1800 49.0 92.1	29.0 32.2 1800 44.4 93.3	18.7 21.5 1800 39.8 94.7	8.40 10.8 1800 30.6 95.8	OpenCkt, hot N/A 1800 5.0 N/A	OpenCkt** N/A 1800 5.0 N/A	HP AMPS RPM GAMMA* FACT.	VARIABLE SPEED	EERT 2 3/60 S.F. 1.0  AMB C/INSUL 40/H	FRAME FL2162 AMPS 43 ENCLOSURE HP 40 DUTY CONT MAX SAFE I
IPM PERFO	*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	STANT POWER	94.5	94.7 4	94.4 4	93.3	N/A I	N/A I	EFF. (1	PERFORMANCE	WK <sup>2</sup> (Lb-ft <sup>2</sup> ) 2.14  MAX INSTANTANEOUS OVERLOAD AMPS	ENCLOSURE TEBC MAX SAFE RPM 5000
IPM MOTOR PERFORMANCE DATA	he curren: emf, defi: t leads c: y, Gamma : ive. ive. f°C - all	1800-3000	460 1	439 1	418 1	375 1	N/A 1	N/A 1	VOLTS Em	NCE	ERLOAD AMPS	OHMS (BE)
PM3927A	current angle reliments of the post of the	RPM	161	161	161	161	161	187	(L-N)		129	OHMS (BETY
27A ATE 5/3/10	angle relative ed to be positiv unter emf. s positive when other data at		23.2	26.1	32.6	45.3	N/A	N/A	(mH) PJ			(BETWEEN LINES)
10	9		6.80	7.10	7.30	7.60	N/A	N/A	Ld			S

