



Model BMM80B2D-B14
MFG PN: TM802-2

ELECTRICAL DATA		
Rated Motor Output Power	1.5	HP
	1.1	kW
Rated Motor Speed	3440	r/min 60Hz
	2810	r/min 50Hz
Rated Motor Voltage (+/-10%)	230/460	V/60Hz
	190/380	V/50Hz
Rated Motor Current	4.24/2.12	A (I _n) @ 60Hz
	5.20/2.60	A (I _n) @ 50Hz
Phase	3	∅
Locked Rotor Current	-	xFLA (I _r /I _n)
FI Current @ 208V	4.41	A (I _n) @ 60Hz
Service Factor	1.15	@ 60Hz
	1	@ 50Hz
KVA Code	J	60Hz
	F	50Hz
Nominal Efficiency	79.5	% @ 60Hz
Nominal Power Factor	0.82	cosΦ @ 60Hz
Leads (Qty, Size)	9	-
Connection	YY/Y	-
Coil Resistance	-	Ω
Start Capacitor	-	μF/V
Run Capacitor	-	μF/V
VFD DUTY (S.F. 1.0)		
	RATIO	Hz
Variable Torque	10:1	6 - 60
Constant Torque	4:1	12 - 60
FULL LOAD TEMPERATURE RISE		
Full Load Temperature Rise	-	°C @ 60Hz
	-	°C @ 50Hz

BRAKE DATA	VDC	VAC
Brake Volts / Rectifier Volts	205	230
Brake Model	REB04-08A-205-008	
Rectifier Model	RZL141-170H	

GENERAL DATA		
Frame Size	80	
Enclosure	TEFC	
Mounting	B14	
Approximate Weight (lbs.)	29.5 lbs.	
Casing Material / Fan Cover	Cast Aluminum	Steel
Shaft Material	1045	
NEMA Design	-	
Degree of Protection (IP)	55	
Insulation Class / Temp Rise (60Hz)	F	B
Tropicalization	YES	
Duty	Cont. / S1	
Conduit Box Location	1-M20X1.5	
Feet Removable / Double Drilled	YES	NO
Paintwork	7024	
	Graphite Gray	
MECHANICAL DATA		
Bearing DE Side	6204ZZ	
Bearing ODE Side	6204ZZ	
Grease Type	Mobil Polyrex EM	
Compensation Ring (wavy washer)	NDE	
Moment of Inertia (lb-ft ²)	-	
Sound Pressure @ 3 FT dBA	-	
SITE CONDITIONS		
Ambient Temperature (°C)	40	
Meters Above Sea Level (MASL)	1000	
HAZARDOUS LOCATIONS		
CSA Certified	Compliant Only	
Temperature Code	-	-

BRAKE TORQUE	
Rated Torque (ft.lb)	5.9
Rated Torque (Nm)	8
Adjustable Torque (Nm)	+/-1

Questions? Call 1.888.286.1820