

### GENERAL INFORMATION

Type	D3EA80M2BB3	Efficiency Class	IE3
Pout [kW]	1,1	Vibration Class	A
Speed [rpm]	2875	Weight [kg]	
Frame	80M	Degree of Protection	IP55
Current [A]	4,2	Cooling Method	IC 411
cos φ	0,77	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

3~MOT		Type		DM 80-2			η%	
S1		IM B3		IP 55		I.C.L.F		IE3 - 82,7
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 230	50	4,2	1,1	0,77	2875	%75	83,4	
Y 400	50	2,4	1,1	0,77	2875			
Y 460	60	2,1	1,1	0,75	3482	%50	82,3	
Y 480	60	2,4	1,32	0,75	3480			

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
230	100	3,65	4,2	2875	1100	0,77	82,7	50
230	75	2,7	3,464	2922	825	0,72	83,4	50
230	50	1,78	2,9444	2950	550	0,57	82,3	50

  

Locked Rotor Current	Ia [A]	19	Breakdown Torque	Mk [Nm]	17,8
	Ia / In	4,52		Mk / Mn	4,87
Locked Rotor Torque	Ma [Nm]	15,9	No Load Current	[A]	1,5
	Ma / Mn	4,35	No Load Power	[W]	112

### MECHANICAL DATA

DE Bearing	6204-ZZ	Sound Pressure - 50 Hz - dB[B]	80	Cable Gland Position
NDE Bearing	6204-ZZ	Sound Pressure - 60 Hz - dB[B]	87	
Fixed Bearing	NO	Housing Material	Aluminium	
Lubrication	-	DE Shield Material	Aluminium	
Grease Amount	-	Terminal Box Material	Polyamide	
Grease Type	-	Cable Entry	PG 11	
Feather Key	6*6*32	Cable Gland Position	4	
Balance	G 1,6 Half Key			

### MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
125	34,7	30,8	158,2	-	100	-	30,8	125	50	19	M6	40	32	6	21,5
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
6	80	11	158	206	15	10	333	-	-	-	-	-	-	-	-

