




GENERAL INFORMATION

Type	D1EA80M4AB3SYY	Efficiency Class	IE1
Pout [kW]	0,55	Vibration Class	A
Speed [rpm]	1405	Weight [kg]	
Frame	80M	Degree of Protection	IP55
Current [A]	2,4	Cooling Method	IC 411
cos φ	0,78	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 80-4				
S1	IM B3	IP 55	I.CL.F	IE1		
	V	Hz	A	kW	cos φ	1 / min
Δ	230	50	2,4	0,55	0,78	1405
Y	400	50	1,4	0,55	0,78	1405
Y	480	60	1,4	0,66	0,78	1685

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	3,65	1,4	1440	550	0,72	0	50
400	75	2,72	1,1	1440	410	0,75	0	50
400	50	1,8	0,94	1460	275	0,64	0	50

Locked Rotor Current	Ia [A]	9,8	Breakdown Torque	Mk [Nm]	10,5
	Ia / In	4,08		Mk / Mn	2,88
Locked Rotor Torque	Ma [Nm]	9,375	No Load Current	[A]	0,9
	Ma / Mn	2,57	No Load Power	[W]	130

MECHANICAL DATA

DE Bearing	6204-ZZ	Sound Pressure - 50 Hz - dB[B]	75
NDE Bearing	6204-ZZ	Sound Pressure - 60 Hz - dB[B]	76
Fixed Bearing	YES	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	35,07	32,03	158,2	-	100	-	32,03	125,07	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	14	159,5	207,5	15	10	264	-	-	-	-	-	-	-	-

