



GENERAL INFORMATION

Type	D1EA80M4AB35	Efficiency Class	IE1
Pout [kW]	0,55	Vibration Class	A
Speed [rpm]	1365	Weight [kg]	
Frame	80M	Degree of Protection	IP55
Current [A]	2,8	Cooling Method	IC 411
cos φ	0,75	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

 		3~MOT	Type	DM 80-4		
		S1	IM B35	IP 55	I.CL.F	IE1
	V	Hz	A	kW	cos φ	1 / min
Δ	220	50	2,8	0,55	0,75	1365
Y	380	50	1,6	0,55	0,75	1365
Y	460	60	1,6	0,66	0,75	1638

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
220	100	3,85	2,8	1365	550	0,75	70	50
220	75	2,8	2,84048	1405	412,5	0,55	69,51	50
220	50	1,82	2,35552	1443	275	0,45	68,23	50

Locked Rotor Current	Ia [A]	5,97	Breakdown Torque	Mk [Nm]	10,1
	Ia / In	2,13		Mk / Mn	2,62
Locked Rotor Torque	Ma [Nm]	7,9	No Load Current	[A]	1,4
	Ma / Mn	2,05	No Load Power	[W]	188

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	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	281,5	10,2	271,3	165	130	200	12	4	3,5

