




GENERAL INFORMATION

Type	D1EA80M4AB35SYY	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 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	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
380	100	3,65	1,4	1440	550	0,72	70	50
380	75	2,72	1,1	1440	410	0,75	70,5	50
380	50	1,8	0,94	1460	275	0,64	67	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	10	254	165	130	200	12	4	3,5

