

GENERAL INFORMATION

Type	D3EA80M4AB3YY	Efficiency Class	IE3
Pout [kW]	0,75	Vibration Class	A
Speed [rpm]	1435	Weight [kg]	
Frame	80M	Degree of Protection	IP55
Current [A]	3,3	Cooling Method	IC 411
cos ϕ	0,72	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

		CE		SE		QR	
3~MOT	Type	DM 80-4					
						$\eta\%$	
S1	IM B3	IP 55	I.C.L.F		IE3 - 82,5		
V	Hz	A	kW	cos ϕ	1 / min	LOAD	EFF.
Δ 230	50	3,9	0,75	0,6	1440	%75	82,3
Y 400	50	2,25	0,75	0,6	1440		
Y 460	60	2,0	0,75	0,59	1732	%50	78,5
Y 480	60	2,25	0,9	0,59	1730		

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos ϕ	Efficiency	Hz
400	100	4,99	3,3	1435	750	0,72	79,6	50
400	75	3,67	1,6	1470	565	0,63	80,3	50
400	50	2,42	1,4	1480	375	0,5	77	50

Locked Rotor Current	Ia [A]	13	Breakdown Torque	Mk [Nm]	17,2
	Ia / In	3,94		Mk / Mn	3,45
Locked Rotor Torque	Ma [Nm]	17	No Load Current	[A]	1,2
	Ma / Mn	3,41	No Load Power	[W]	95

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	306	-	-	-	-	-	-	-	-

