

GENERAL INFORMATION

Type	D3EA100L4BB3YY	Efficiency Class	IE3
Pout [kW]	3	Vibration Class	A
Speed [rpm]	1457	Weight [kg]	
Frame	100L	Degree of Protection	IP55
Current [A]	11,7	Cooling Method	IC 411
cos φ	0,73	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 100-4			η%	
S1		IM B3		IP 55		I.C.L.F.		IE3 - 87,7
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 230	50	11,7	3	0,73	1457	%75	85,3	
Y 400	50	6,74	3	0,73	1457			
Y 460	60	5,8	3	0,75	1748	%50	82,6	
Y 480	60	6,74	3,6	0,75	1745			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	19,87	6,7	1445	3006	0,74	87,7	50
400	75	14,73	5,7	1460	2252	0,67	85,3	50
400	50	9,72	4,9	1475	1502	0,54	82,6	50

Locked Rotor Current	Ia [A]	45,95	Breakdown Torque	Mk [Nm]	64,66
	Ia / In	3,93		Mk / Mn	3,25
Locked Rotor Torque	Ma [Nm]	54,75	No Load Current	[A]	4,2
	Ma / Mn	2,76	No Load Power	[W]	254

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	78
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	81
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	8*7*50	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
160	46	40	197	-	140	-	40	175	63	28	M10	60	50	8	31
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
7	100	13	199	247	18	12	410	-	-	-	-	-	-	-	-

