



GENERAL INFORMATION

Type	D3EA100L2AB34YY	Efficiency Class	IE3
Pout [kW]	3	Vibration Class	A
Speed [rpm]	2915	Weight [kg]	
Frame	100L	Degree of Protection	IP55
Current [A]	10,3	Cooling Method	IC 411
cos φ	0,84	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B34
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

 		3~MOT	Type	DM 100-2				η%	
		S1		IM B34	IP 55	I.C.L.F.		IE3 - 87,1	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	230	50	10,3	3	0,84	2915	%75	84,6	
Y	400	50	5,9	3	0,84	2915			
Y	460	60	5,2	3	0,83	3510	%50	86,8	
Y	480	60	5,9	3,6	0,83	3500			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	9,83	5,9	2915	3000	0,84	87,1	50
400	75	7,32	4,9	2940	2255	0,79	84,6	50
400	50	4,88	4,1	2955	1510	0,61	86,8	50

Locked Rotor Current	Ia [A]	54,8	Breakdown Torque	Mk [Nm]	41,8
	Ia / In	5,32		Mk / Mn	4,25
Locked Rotor Torque	Ma [Nm]	35,7	No Load Current	[A]	3,1
	Ma / Mn	3,63	No Load Power	[W]	235

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	85
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	90
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	372,4	22,4	350	-	-	-	-	-	-

