

GENERAL INFORMATION

Type	D3EA100L4AB35YY	Efficiency Class	IE3
Pout [kW]	2,2	Vibration Class	A
Speed [rpm]	1450	Weight [kg]	
Frame	100L	Degree of Protection	IP55
Current [A]	8,3	Cooling Method	IC 411
cos φ	0,76	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 100-4			η%	
S1		IM B35		IP 55		I.C.L.F.		IE3 - 86,7
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 230	50	8,3	2,2	0,76	1450	%75	85,1	
Y 400	50	4,8	2,2	0,76	1450			
Y 460	60	4,2	2,2	0,75	1740	%50	82,5	
Y 480	60	4,8	2,64	0,75	1738			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	14,54	4,9	1445	2200	0,75	86,7	50
400	75	9,78	4,1	1465	1500	0,62	85,1	50
400	50	7,14	3,6	1475	1103	0,54	82,5	50

Locked Rotor Current	Ia [A]	34,6	Breakdown Torque	Mk [Nm]	50,3
	Ia / In	4,17		Mk / Mn	3,46
Locked Rotor Torque	Ma [Nm]	41,8	No Load Current	[A]	3,1
	Ma / Mn	2,87	No Load Power	[W]	190

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	75
NDE Bearing	6206-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	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	13	359,4	215	180	250	14,5	4	4

