

GENERAL INFORMATION

Type	D3EA100L2AB35YY60Hz	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 B35
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

3~MOT		Type		DM 100-2		η%	
S1		IM B35		IP 55		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	9,8	5,9	2915	3000	0,83	87,1	50
400	100	9,5	6,7	3485	3450	0,86	87	60

Locked Rotor Current	Ia [A]	95,3	Breakdown Torque	Mk [Nm]	126,4
	Ia / In	9,25		Mk / Mn	12,90
Locked Rotor Torque	Ma [Nm]	108	No Load Current	[A]	3,1
	Ma / Mn	11,02	No Load Power	[W]	236

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	13	359,4	215	180	250	14,5	4	4

