



GENERAL INFORMATION

Type	D3EA112M2AB35YY	Efficiency Class	IE3
Pout [kW]	4	Vibration Class	A
Speed [rpm]	2955	Weight [kg]	
Frame	112M	Degree of Protection	IP55
Current [A]	7,5	Cooling Method	IC 411
cos φ	0,89	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 112-2				 	
S1		IM B35		IP 55		I.C.L.F.		η%	
								IE3 - 88,1	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	7,5	4	0,89	2955	%75	88,1	
Y	690	50	4,35	4	0,89	2955			
Δ	460	60	6,25	4	0,89	3546	%50	87,2	
Δ	480	60	7,5	4,8	0,89	3546			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	12,93	7,5	2955	4000	0,89	88,1	50
400	75	9,75	9,9	2939	3000	0,5	88,1	50
400	50	6,44	6,4	2967	2000	0,52	87,2	50

Locked Rotor Current	Ia [A]	56	Breakdown Torque	Mk [Nm]	49
	Ia / In	7,47		Mk / Mn	3,79
Locked Rotor Torque	Ma [Nm]	43	No Load Current	[A]	2,6
	Ma / Mn	3,33	No Load Power	[W]	210

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 16
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
190	51	38	219	-	140	-	38	175	70	28	M10	60	50	8	31
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
7	112	13	224,5	278,5	18	12	401,9	12	389,9	215	180	250	14,5	4	4

