

GENERAL INFORMATION

Type	D2EA100L6AB3	Efficiency Class	IE2
Pout [kW]	1,5	Vibration Class	A
Speed [rpm]	960	Weight [kg]	
Frame	100L	Degree of Protection	IP55
Current [A]	6,2	Cooling Method	IC 411
cos φ	0,75	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

USE WITH VARIABLE SPEED DRIVE		CE		TS		QR	
ONLY ACC. EU REGULATION 640/2009							
3~MOT	Type	DM 100-6					
S1	IM B3	IP 55	I.C.L.F		η%		IE2 - 79,8
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 230	50	6,2	1,5	0,75	960	%75	77,5
Y 400	50	3,6	1,5	0,75	960		
Y 480	60	3,6	1,8	0,73	1152	%50	74

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
230	100	14,92	6,2	960	1500	0,75	79,8	50
230	75	11,1	5,3692	968	1125	0,68	77,5	50
230	50	7,32	4,8496	979	750	0,52	74	50

Locked Rotor Current	Ia [A]	19,7	Breakdown Torque	Mk [Nm]	44,4
	Ia / In	3,18		Mk / Mn	2,98
Locked Rotor Torque	Ma [Nm]	34,7	No Load Current	[A]	2,4
	Ma / Mn	2,33	No Load Power	[W]	198

MECHANICAL DATA

DE Bearing	6206-ZZ	Sound Pressure - 50 Hz - dB[B]	77
NDE Bearing	6206-ZZ	Sound Pressure - 60 Hz - dB[B]	78
Fixed Bearing	NO	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	45,6	40	197	-	140	-	40	174	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	197	245	18	12	371,5	-	-	-	-	-	-	-	-

