

GENERAL INFORMATION

Type	D2EA180M2AB35YY	Efficiency Class	IE2
Pout [kW]	22	Vibration Class	A
Speed [rpm]	2952	Weight [kg]	
Frame	180M	Degree of Protection	IP55
Current [A]	38,5	Cooling Method	IC 411
cos φ	0,90	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
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 180-2					
S1	IM B35	IP 55	I.C.L.F	η%			
				IE2 - 91,3			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	38,5	22	0,90	2952	%75	89,3
Δ 480	60	38,5	26,4	0,90	3542	%50	84,8

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	71,17	38,5	2952	22000	0,9	91,3	50
400	75	53,13	29,57	2966	16500	0,9	89,3	50
400	59	35,29	22,2	2977	11000	0,84	84,8	50

Locked Rotor Current	Ia [A]	627	Breakdown Torque	Mk [Nm]	767,8
	Ia / In	16,29		Mk / Mn	10,79
Locked Rotor Torque	Ma [Nm]	190,6	No Load Current	[A]	12,67
	Ma / Mn	2,68	No Load Power	[W]	835

MECHANICAL DATA

DE Bearing	6310-ZZ	Sound Pressure - 50 Hz - dB[B]	93
NDE Bearing	6210-ZZ	Sound Pressure - 60 Hz - dB[B]	96
Fixed Bearing	YES	Housing Material	Aluminium
Lubrication	-	DE Shield Material	Cast Iron
Grease Amount	-	Terminal Box Material	Aluminium
Grease Type	-	Cable Entry	M32
Feather Key	14*9*100	Cable Gland Position	4
Balance	G 2,5 Half Key		

MECHANICAL DIMENSIONS

A	AA	AB	AC	AD	B	B'	BA	BB	C	D	d	E	EB	F	GA
279	73,5	63	345	-	241	-	63	291	121	48	M16	110	100	14	51,5
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
9	180	25	357,9	434,8	37,5	14,5	670,5	18,5	652	300	250	350	18,5	4	5

