

GENERAL INFORMATION

Type	D2EG180M4AB3	Efficiency Class	IE2
Pout [kW]	18,5	Vibration Class	A
Speed [rpm]	1470	Weight [kg]	
Frame	180M	Degree of Protection	IP55
Current [A]	34,5	Cooling Method	IC 411
cos φ	0,83	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 180M-4					
S1	IM B3	IP 55	I.C.L.F	η%			
				IE2 - 91,2			
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	34,5	18,5	0,83	1470	%75	90,5
Δ 480	60	34,5	22,2	0,82	1764	%50	89,8

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	120,19	34,5	1470	18500	0,83	91,2	50
400	75	90,02	26,6	1472	13875	0,83	90,5	50
400	50	59,53	20,4	1484	9250	0,73	89,8	50

Locked Rotor Current	Ia [A]	211	Breakdown Torque	Mk [Nm]	317
	Ia / In	6,12		Mk / Mn	2,64
Locked Rotor Torque	Ma [Nm]	281	No Load Current	[A]	13,4
	Ma / Mn	2,34	No Load Power	[W]	646

MECHANICAL DATA

DE Bearing	6310-ZZ	Sound Pressure - 50 Hz - dB[B]	89
NDE Bearing	6210-ZZ	Sound Pressure - 60 Hz - dB[B]	92
Fixed Bearing	YES	Housing Material	Cast Iron
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	69	64	345	-	241	279	64	317	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	24	360	436,9	14,5	14,5	658,4	-	-	-	-	-	-	-	-

