

GENERAL INFORMATION

Type	D2EA160M2AB3	Efficiency Class	IE2
Pout [kW]	11	Vibration Class	A
Speed [rpm]	2920	Weight [kg]	
Frame	160M	Degree of Protection	IP55
Current [A]	20	Cooling Method	IC 411
cos φ	0,89	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 160-2					
S1	IM B3	IP 55	I.C.L.F		η%		IE2 - 89,4
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ 400	50	20	11	0,89	2920	%75	89
Δ 480	60	20	13,2	0,88	3532	%50	87,8

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	35,98	20	2920	11000	0,89	89,4	50
400	75	26,78	15,3	2942	8250	0,87	89	50
400	50	17,7	11,3	2967	5500	0,8	87,8	50

Locked Rotor Current	Ia [A]	131	Breakdown Torque	Mk [Nm]	106,4
	Ia / In	6,55		Mk / Mn	2,96
Locked Rotor Torque	Ma [Nm]	89,6	No Load Current	[A]	6,6
	Ma / Mn	2,49	No Load Power	[W]	550

MECHANICAL DATA

DE Bearing	6309-ZZ	Sound Pressure - 50 Hz - dB[B]	90
NDE Bearing	6309-ZZ	Sound Pressure - 60 Hz - dB[B]	93
Fixed Bearing	YES	Housing Material	Aluminium
Lubrication	-	DE Shield Material	Aluminium
Grease Amount	-	Terminal Box Material	Aluminium
Grease Type	-	Cable Entry	M32
Feather Key	12*8*90	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
254	72	51,6	306	-	210	-	51,6	264	108	42	M16	110	90	12	45
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
8	160	22,15	320	396,9	29,8	14,5	601	-	-	-	-	-	-	-	-

