

### GENERAL INFORMATION

Type	D2EA160L2BB35	Efficiency Class	IE2
Pout [kW]	22	Vibration Class	A
Speed [rpm]	2960	Weight [kg]	
Frame	160L-C	Degree of Protection	IP55
Current [A]	37	Cooling Method	IC 411
cos φ	0,93	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 180M-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	37	22	0,93	2960	%75	89,3
Δ 480	60	37	26,4	0,92	3552	%50	84,8

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	70,98	37	2960	22000	0,93	91,3	50
400	75	53	30	2973	16500	0,89	89,3	50
400	50	35,17	21,5	2987	11000	0,87	84,8	50

  

Locked Rotor Current	Ia [A]	360	Breakdown Torque	Mk [Nm]	290
	Ia / In	9,73		Mk / Mn	4,09
Locked Rotor Torque	Ma [Nm]	270	No Load Current	[A]	12
	Ma / Mn	3,80	No Load Power	[W]	1092

### MECHANICAL DATA

DE Bearing	6309-ZZ	Sound Pressure - 50 Hz - dB[B]	93
NDE Bearing	6309-ZZ	Sound Pressure - 60 Hz - dB[B]	96
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	52,3	306	-	254	-	52,3	310	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	644	18,5	625,5	300	250	350	18,5	4	5

