

### GENERAL INFORMATION

Type	D3EG160M4AB35	Efficiency Class	IE3
Pout [kW]	11	Vibration Class	A
Speed [rpm]	1471	Weight [kg]	
Frame	160M	Degree of Protection	IP55
Current [A]	21,2	Cooling Method	IC 411
cos φ	0,81	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

3~MOT		Type		DM 160M-4				η%	
S1		IM B35		IP 55		I.C.L.F		IE3 - 91,4	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	21,2	11	0,81	1471	%75	89	
Y	690	50	12,2	11	0,81	1471			
Δ	460	60	18,7	11	0,8	1776	%50	90	
Δ	480	60	21,2	13,2	0,8	1774			

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	71,41	21,2	1471	11000	0,81	91,4	50
400	75	53,23	17,4	1480	8250	0,77	89	50
400	50	35,28	13,4	1489	5500	0,66	90	50

  

Locked Rotor Current	Ia [A]	150	Breakdown Torque	Mk [Nm]	225
	Ia / In	7,08		Mk / Mn	3,15
Locked Rotor Torque	Ma [Nm]	235	No Load Current	[A]	9,6
	Ma / Mn	3,29	No Load Power	[W]	475

### MECHANICAL DATA

DE Bearing	6309-ZZ	Sound Pressure - 50 Hz - dB[B]	83
NDE Bearing	6209-ZZ	Sound Pressure - 60 Hz - dB[B]	86
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	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	72,1	52,1	306	-	210	-	52,1	264,2	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	23	320	396,9	14,5	14,5	634	18,5	615,5	300	250	350	18,5	4	5

