



### GENERAL INFORMATION

Type	D3EA160M2AB3	Efficiency Class	IE3
Pout [kW]	11	Vibration Class	A
Speed [rpm]	2970	Weight [kg]	
Frame	160M	Degree of Protection	IP55
Current [A]	19,5	Cooling Method	IC 411
cos φ	0,88	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B3
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

 		3~MOT		Type	DM 160M-2			η%	
		S1		IM B3	IP 55	I.C.L.F.		IE3 - 91,2	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	19,5	11	0,88	2970	%75	91,1	
Y	690	50	11,3	11	0,88	2970			
Δ	460	60	16,9	11	0,87	3580	%50	91	
Δ	480	60	19,5	13,2	0,88	3575			

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	35,37	19,5	2970	11000	0,88	91,2	50
400	75	26,45	15,4	2979	8250	0,85	91,1	50
400	50	17,57	11,6	2990	5500	0,75	91	50

Locked Rotor Current	Ia [A]	204	Breakdown Torque	Mk [Nm]	159
	Ia / In	10,46		Mk / Mn	4,50
Locked Rotor Torque	Ma [Nm]	149	No Load Current	[A]	7,5
	Ma / Mn	4,21	No Load Power	[W]	568

### 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	624	-	-	-	-	-	-	-	-

