



GENERAL INFORMATION

Type	D3EA160M2BB3	Efficiency Class	IE3
Pout [kW]	15	Vibration Class	A
Speed [rpm]	2970	Weight [kg]	
Frame	160M	Degree of Protection	IP55
Current [A]	26,3	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

 		3~MOT		Type		DM 160M-2		η%	
		S1		IM B3		IP 55		I.C.L.F	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	26,3	15	0,89	2970	%75	91,6	
Y	690	50	15,2	15	0,89	2970			
Δ	460	60	22,8	15	0,88	3576	%50	91,3	
Δ	480	60	26,3	18	0,89	3572			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	48,23	26,3	2970	15000	0,89	91,9	50
400	75	36,04	20,2	2981	11250	0,88	91,6	50
400	50	23,94	14,9	2992	7500	0,8	91,3	50

Locked Rotor Current	Ia [A]	260	Breakdown Torque	Mk [Nm]	202
	Ia / In	9,89		Mk / Mn	4,19
Locked Rotor Torque	Ma [Nm]	200	No Load Current	[A]	8,5
	Ma / Mn	4,15	No Load Power	[W]	630

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	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	-	-	-	-	-	-	-	-

