



GENERAL INFORMATION

Type	D3EA180M2AB3	Efficiency Class	IE3
Pout [kW]	22	Vibration Class	A
Speed [rpm]	2970	Weight [kg]	
Frame	180M	Degree of Protection	IP55
Current [A]	36,2	Cooling Method	IC 411
cos φ	0,93	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 180M-2			η%	
		S1		IM B3	IP 55	I.C.L.F.		IE3 - 92,7	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	36,2	22	0,93	2970	%75	92,5	
Y	690	50	21	22	0,93	2970			
Δ	460	60	31,6	22	0,93	3575	%50	92,4	
Δ	480	60	36,2	26,4	0,93	3570			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	70,74	36,2	2970	22000	0,93	92,7	50
400	75	53,09	28,3	2968	16500	0,91	92,5	50
400	50	35,25	19,7	2980	11000	0,87	92,4	50

Locked Rotor Current	Ia [A]	343	Breakdown Torque	Mk [Nm]	248
	Ia / In	9,48		Mk / Mn	3,51
Locked Rotor Torque	Ma [Nm]	197	No Load Current	[A]	9,9
	Ma / Mn	2,78	No Load Power	[W]	732

MECHANICAL DATA

DE Bearing	6310-ZZ	Sound Pressure - 50 Hz - dB[B]	93
NDE Bearing	6210-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	14*9*100	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
279	73,2	43,2	345	-	241	-	43,2	291,3	121	48	M16	110	100	14	51,5
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
9	180	24	356	432,9	37,5	14,5	708	-	-	-	-	-	-	-	-

