



GENERAL INFORMATION

Type	D3EA180M2AB3YY	Efficiency Class	IE3
Pout [kW]	22	Vibration Class	A
Speed [rpm]	2964	Weight [kg]	
Frame	180M	Degree of Protection	IP55
Current [A]	37,6	Cooling Method	IC 411
cos φ	0,91	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 180-2				 	
S1		IM B3		IP 55		I.C.L.F.		η%	
								IE3 - 92,7	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	37,6	22	0,91	2964	%75	92,5	
Y	690	50	21,7	22	0,91	2964			
Δ	460	60	32,5	22	0,0	3565	%50	92,4	
Δ	480	60	37,6	26,4	0,90	3560			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	70,88	37,6	2964	22000	0,91	92,7	50
400	75	52,98	28,7	2974	16500	0,9	92,2	50
400	61	35,22	21,57	2983	11000	0,81	91	50

Locked Rotor Current	Ia [A]	413,9	Breakdown Torque	Mk [Nm]	255,2
	Ia / In	11,01		Mk / Mn	3,60
Locked Rotor Torque	Ma [Nm]	176,1	No Load Current	[A]	10,2
	Ma / Mn	2,48	No Load Power	[W]	768

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	Cast Iron
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	73,5	63	345	-	241	-	63	291	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	25	357,9	434,8	37,5	14,5	717,5	-	-	-	-	-	-	-	-

