



### GENERAL INFORMATION

Type	D3EA180M4AB3	Efficiency Class	IE3
Pout [kW]	18,5	Vibration Class	A
Speed [rpm]	1480	Weight [kg]	
Frame	180M	Degree of Protection	IP55
Current [A]	35,2	Cooling Method	IC 411
cos φ	0,82	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-4		η%	
		S1		IM B3	IP 55	I.C.L.F.		IE3 - 92,6
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ	400	50	35,2	18,5	0,82	1480	%75	91,6
Y	690	50	20,3	18,5	0,82	1480		
Δ	460	60	30,3	18,5	0,8	1782	%50	91,4
Δ	480	60	35,2	22,2	0,81	1780		

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	119,38	35,2	1480	18500	0,82	92,6	50
400	75	89,29	29	1484	13875	0,75	91,6	50
400	50	59,21	22,7	1492	9250	0,64	91,4	50

Locked Rotor Current	Ia [A]	260	Breakdown Torque	Mk [Nm]	364
	Ia / In	7,39		Mk / Mn	3,05
Locked Rotor Torque	Ma [Nm]	360,7	No Load Current	[A]	16,5
	Ma / Mn	3,02	No Load Power	[W]	773

### MECHANICAL DATA

DE Bearing	6310-ZZ	Sound Pressure - 50 Hz - dB[B]	89
NDE Bearing	6210-ZZ	Sound Pressure - 60 Hz - dB[B]	92
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	-	-	-	-	-	-	-	-

