

GENERAL INFORMATION

Type	D3EA180M4AB35YY	Efficiency Class	IE3
Pout [kW]	18,5	Vibration Class	A
Speed [rpm]	1475	Weight [kg]	
Frame	180M	Degree of Protection	IP55
Current [A]	35,1	Cooling Method	IC 411
cos φ	0,82	Insulation Class	F
Rotation	CW-CCW	Temperature Class	B
Duty	S1	Construction	IM B35
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

3~MOT		Type		DM 180-4			η%	
S1		IM B35		IP 55		I.C.L.F.		IE3 - 92,6
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ	400	50	35,1	18,5	0,82	1475	%75	91,6
Y	690	50	20,2	18,5	0,82	1475		
Δ	460	60	30,2	18,5	0,80	1775	%50	91,4
Δ	480	60	35,1	22,2	0,81	1770		

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	119,78	35,1	1475	18500	0,82	92,6	50
400	75	89,41	28,6	1482	13875	0,77	91,4	50
400	62	59,37	23,1	1488	9250	0,64	90,2	50

Locked Rotor Current	Ia [A]	372	Breakdown Torque	Mk [Nm]	548,9
	Ia / In	10,60		Mk / Mn	4,58
Locked Rotor Torque	Ma [Nm]	288,2	No Load Current	[A]	17,7
	Ma / Mn	2,41	No Load Power	[W]	800

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	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	18,5	699	300	250	350	18,5	4	5

