



GENERAL INFORMATION

Type	D3EA180L4AB35YY	Efficiency Class	IE3
Pout [kW]	22	Vibration Class	A
Speed [rpm]	1475	Weight [kg]	
Frame	180L	Degree of Protection	IP55
Current [A]	43,7	Cooling Method	IC 411
cos φ	0,78	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 180L-4		η%	
		S1		IM B35	IP 55	I.C.L.F.		IE3 - 93,0
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.
Δ	400	50	43,7	22	0,78	1475	%75	91,4
Y	690	50	25,2	22	0,78	1475		
Δ	460	60	37,8	22	0,76	1775	%50	90,0
Δ	480	60	43,7	26,4	0,77	1770		

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	142,44	43,7	1475	22000	0,78	93	50
400	75	106,47	36,1	1480	16500	0,72	91,4	50
400	50	71,66	29,8	1490	11180	0,6	90	50

Locked Rotor Current	Ia [A]	487,5	Breakdown Torque	Mk [Nm]	725,9
	Ia / In	11,16		Mk / Mn	5,10
Locked Rotor Torque	Ma [Nm]	384,4	No Load Current	[A]	23,4
	Ma / Mn	2,70	No Load Power	[W]	986

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	64	345	-	279	-	64	329	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

