

GENERAL INFORMATION

Type	D3EA180L6AB35	Efficiency Class	IE3
Pout [kW]	15	Vibration Class	A
Speed [rpm]	965	Weight [kg]	
Frame	180L	Degree of Protection	IP55
Current [A]	28,4	Cooling Method	IC 411
cos φ	0,84	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-6				η%	
S1		IM B35		IP 55		I.C.L.F.		IE3 - 91,2	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	28,4	15	0,84	965	%75	91	
Y	690	50	16,5	15	0,84	965			
Δ	460	60	24,5	15	0,83	1174	%50	90,6	
Δ	480	60	28,4	18	0,83	1165			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	148,45	28,4	965	15000	0,84	91,2	50
400	75	109,85	21,9	978	11250	0,81	91	50
400	50	72,49	16,8	988	7500	0,71	90,6	50

Locked Rotor Current	Ia [A]	141	Breakdown Torque	Mk [Nm]	342
	Ia / In	4,96		Mk / Mn	2,30
Locked Rotor Torque	Ma [Nm]	184	No Load Current	[A]	10,6
	Ma / Mn	1,24	No Load Power	[W]	421

MECHANICAL DATA

DE Bearing	6310-ZZ	Sound Pressure - 50 Hz - dB[B]	87
NDE Bearing	6210-ZZ	Sound Pressure - 60 Hz - dB[B]	90
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	101,5	345	-	279	-	101,5	329,5	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	18,5	689,5	300	250	350	18,5	4	5

