

GENERAL INFORMATION

Type	D3EA180L4AB3	Efficiency Class	IE3
Pout [kW]	22	Vibration Class	A
Speed [rpm]	1475	Weight [kg]	
Frame	180L	Degree of Protection	IP55
Current [A]	43,3	Cooling Method	IC 411
cos φ	0,79	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 180L-4			CE TSE		QR
							η%		
S1		IM B3		IP 55		I.C.L.F.		IE3 - 93	
	V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ	400	50	43,3	22	0,79	1475	%75	91,4	
Y	690	50	25	22	0,79	1475			
Δ	460	60	38,2	22	0,77	1777	%50	90	
Δ	480	60	43,3	26,4	0,78	1774			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	142,44	43,3	1475	22000	0,79	93	50
400	75	106,47	36,3	1480	16500	0,72	91,4	50
400	50	70,65	29,43	1487	11000	0,6	90	50

Locked Rotor Current	Ia [A]	163	Breakdown Torque	Mk [Nm]	114
	Ia / In	3,76		Mk / Mn	0,80
Locked Rotor Torque	Ma [Nm]	114	No Load Current	[A]	22,5
	Ma / Mn	0,80	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	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	-	-	-	-	-	-	-	-

