

GENERAL INFORMATION

Type	D3EA160L4AB35	Efficiency Class	IE3
Pout [kW]	15	Vibration Class	A
Speed [rpm]	1475	Weight [kg]	
Frame	160L	Degree of Protection	IP55
Current [A]	29	Cooling Method	IC 411
cos φ	0,8	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 160L-4			η%	
S1		IM B35		IP 55		I.C.L.F		IE3 - 92,1
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 400	50	29	15	0,8	1475	%75	92	
Y 690	50	16,8	15	0,8	1475			
Δ 460	60	25,8	15	0,79	1779	%50	93	
Δ 480	60	29	18	0,79	1775			

ELECTRICAL DATA (RAW MEASUREMENT DATA)

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	97,12	29	1475	15000	0,8	92,1	50
400	75	72,35	24,6	1485	11250	0,72	92	50
400	50	48,07	20,5	1490	7500	0,57	93	50

Locked Rotor Current	Ia [A]	141	Breakdown Torque	Mk [Nm]	342
	Ia / In	4,86		Mk / Mn	3,52
Locked Rotor Torque	Ma [Nm]	184,2	No Load Current	[A]	10,64
	Ma / Mn	1,90	No Load Power	[W]	421

MECHANICAL DATA

DE Bearing	6309-ZZ	Sound Pressure - 50 Hz - dB[B]	89
NDE Bearing	6309-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	12*8*90	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
254	72	52,3	306	-	254	-	52,3	310	108	42	M16	110	90	12	45
GD	H	HA	HC	HD	K	K1	L	LA	LB	M	N	P	S	S1	T
8	160	22,15	320	396,9	29,8	14,5	667	18,5	648,5	300	250	350	18,5	4	5

