

### GENERAL INFORMATION

Type	D3EA160L2AB35	Efficiency Class	IE3
Pout [kW]	18,5	Vibration Class	A
Speed [rpm]	2970	Weight [kg]	
Frame	160L	Degree of Protection	IP55
Current [A]	32,5	Cooling Method	IC 411
cos φ	0,88	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-2			η%	
S1	IM B35		IP 55	I.C.L.F.			IE3 - 92,4	
V	Hz	A	kW	cos φ	1 / min	LOAD	EFF.	
Δ 400	50	32,5	18,5	0,88	2970	%75	92,3	
Y 690	50	18,8	18,5	0,88	2970			
Δ 460	60	28,8	18,5	0,88	3581	%50	92	
Δ 480	60	32,5	22,2	0,88	3577			

### ELECTRICAL DATA ( RAW MEASUREMENT DATA )

V1	%Load	T [Nm]	I [A]	rpm	P2 [W]	cos φ	Efficiency	Hz
400	100	59,49	32,5	2970	18500	0,88	92,4	50
400	75	44,44	25,4	2982	13875	0,85	92,3	50
400	50	29,51	19,7	2993	9250	0,74	92	50

  

Locked Rotor Current	Ia [A]	248	Breakdown Torque	Mk [Nm]	259
	Ia / In	7,63		Mk / Mn	4,35
Locked Rotor Torque	Ma [Nm]	252	No Load Current	[A]	11,7
	Ma / Mn	4,24	No Load Power	[W]	770

### MECHANICAL DATA

DE Bearing	6309-ZZ	Sound Pressure - 50 Hz - dB[B]	93
NDE Bearing	6309-ZZ	Sound Pressure - 60 Hz - dB[B]	96
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

