

GENERAL INFORMATION

Type	D3EG160L2AB34	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 B34
Ambient Temp. [°C]	-20...+40	Altitude above sea [m]	1000

		CE		SE		QR	
3~MOT	Type	DM 160L-2					
						η%	
S1	IM B34	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	6209-ZZ	Sound Pressure - 60 Hz - dB[B]	96
Fixed Bearing	YES	Housing Material	Cast Iron
Lubrication	-	DE Shield Material	Cast Iron
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	52,1	306	-	254	-	52,1	308,2	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	23	320	396,9	14,5	14,5	682	63,5	618,5	-	-	-	-	-	-

