

IEC LV MOTORS

Motor data sheet

M3AA 63C 2

Definition	Data	Unit	Remarks
Voltage code	S		
Type/Frame	M3AA 63C 2		
Design	BASIC		
Efficiency class	IE2		IEC 60034-2-1:2014
Rated output P_N	0.37	kW	
Rated voltage U_N	400	V	± 5 % (IEC 60034-1)
Rated frequency f_N	50	Hz	± 2 % (IEC 60034-1)
Rated speed n_N	2750	r/min	
Rated current I_N	0.96	A	
Starting current I_S/I_N	4.7		
Nominal torque T_N	1.28	Nm	
Locked rotor torque T_l/T_N	2.8		
Maximum torque T_b/T_N	2.6		
Efficiency - full load 100%	69.5	%	IEC 60034-2-1:2014
Efficiency - 75%	68.8	%	
Efficiency - 50%	63.2	%	
Power factor - full load 100%	0.78		
Bearing DE/NDE	6201-2Z/C3 6201-2Z/C3		
Sound pressure level LPA dB	59	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm ²	0.0002	kg-m ²	
Weight	4.6	kg	
Ambient temperature	40	°C	
Motor losses at VSD operating points	losses in efficiency %	losses in Watt	losses in relative to nom. power %
VSD Speed 90 % Torque 100 %			
VSD Speed 50 % Torque 100 %			
VSD Speed 25 % Torque 100 %			
VSD Speed 90 % Torque 50 %			
VSD Speed 50 % Torque 25 %			
VSD Speed 25 % Torque 25 %			