

# Motor data sheet

IEC LV MOTORS

## M3AA 80ME 4

Definition	Data	Unit	Remarks
Product code	3GAA082350-***K		
Voltage code	S		
Type/Frame	M3AA 80ME 4		
Design	CENELEC		
Efficiency class	IE3		Acc. to IEC 60034-30-1:2014
Rated output $P_N$	0.75	kW	
Rated voltage $U_N$	400	V	± 5 % (IEC 60034-1)
Rated frequency $f_N$	50	Hz	± 2 % (IEC 60034-1)
Rated speed $n_N$	1440	r/min	
Rated current $I_N$	1.68	A	
Starting current $I_s/I_N$	7.9		
Nominal torque $T_N$	4.9	Nm	
Locked rotor torque $T_l/T_N$	3.3		
Maximum torque $T_b/T_N$	3.7		
Efficiency - full load 100%	82.6	%	Acc. to IEC 60034-2-1
Efficiency - 75%	82.5	%	
Efficiency - 50%	80.3	%	
Power factor - full load 100%	0.76		
Bearing DE/NDE	6204-2Z/C3 6203-2Z/C3		
Sound pressure level $L_{pA}$ dB	54	dB(A)	+3dB(A)
Moment of inertia $J = \frac{1}{4} GD^2$ kgm <sup>2</sup>	0	kg-m <sup>2</sup>	
Weight	13.5	kg	
<b>Motor losses with VSD supply</b>	<b>Efficiency %</b>	<b>Losses in Watts</b>	<b>Relative losses %</b>
Speed 90% Torque 100%	80.9	159	21.2
Speed 50% Torque 100%	73.7	134	17.8
Speed 90% Torque 50%	77.5	98	13.1
Speed 50% Torque 50%	72.6	71	9.4
Speed 25% Torque 100%	52.3	171	22.8
Speed 50% Torque 25%	62.4	56	7.5
Speed 25% Torque 25%	50.5	46	6.1

All data subject to tolerances in accordance with IEC. Data subject to changes.