

Technical data sheet

DOMEL®

Motor Type: AZ 108-55-S060B-ACV0
Motor Code: 747.3.399-4
Motor voltage: 3 x 230 VAC

Characteristics:

Rated Speed	2040	[min ⁻¹]
Max. Speed	2900	[min ⁻¹]
Rated Power	1,3	[kW]
Rated Torque	6	[Nm]
Rated Frequency	170,0	[Hz]
Efficiency class	IE5	

Mechanical data:

Mass	7,9	[kg]
Frame Size	/	
Bearings DE / NDE	6204 ZZ C3 / 6203 ZZ C3	
Bearing grade	NSK EA3	
Bearing manufacturer	SKF / NSK	
Dust and humidity protection	IP55	
Insulation class	180 (H)	
Temperature rise class	80 (B)	
Moment of Inertia	0,006	[kgm ²]
Direction of Rotation	CW/CCW	
Duty type	S1	
Motor frame material	Aluminium	
Front/Back flange material	Aluminium	
Bearing seat material	Steel	
Balancing grade	G 6.3	

Electrical data:

Rotor poles	10	
Connection	Y	
BackEMF constant	132	[mVs/rad]
Torque constant	1,40	[Nm/A]
Winding line to star point resistance	0,87	[Ω]
Winding line to star point d axis inductance	9,0	[mH]
Winding line to star point q axis inductance	10,4	[mH]
BackEMF at 1000 rpm line to line	85	[V]
Rated current	5,1	[A]

Environmental conditions:

Ambient temperature:	-40 to +40	[°C]
Max. Altitude above sea level:	2000	[m]