

# Technical data sheet

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E: info@domel.com  
www.domel.comMotor Type: AZ 220-100-P150B-AC00  
Motor Code: 749.3.694-19  
Motor voltage: 3 x 400V

## Characteristics:

Rated Speed	1400	[min <sup>-1</sup> ]
Rated Power	6,5	[kW]
Rated Torque	44	[Nm]
Rated Frequency	116,7	[Hz]
Efficiency class	IE5	

## Mechanical data:

Mass	41,6	[kg]
Frame Size	/	
Bearings DE / NDE	6206 ZZ C3 / 6206 ZZ C3	
Dust and humidity protection	IP54	
Insulation class	180 (H)	
Temperature rise class	80 (B)	
Corrosion protection	C4	
Moment of Inertia	0,154	[kgm <sup>2</sup> ]
Direction of Rotation	CCW	
Duty type	S1	
Motor frame material	Aluminium	
Front/Back flange material	Aluminium	
Bearing seat material	Steel	
Balancing grade	G 6.3 - full key	

## Electrical data:

Nr. of Poles	10	
Connection	Parallel Delta	
BackEMF constant	360	[mVs/rad]
Torque constant	3,82	[Nm/A]
Winding line to star point resistance	0,18	[Ω]
Winding line to star point d axis inductance	8,8	[mH]
Winding line to star point q axis inductance	10,6	[mH]
BackEMF at 1000 rpm line to line	231	[V]
Rated current	13,8	[A]

## Environmental conditions:

Ambient temperature:	-40 to +40	[°C]
Altitude above sea level:	1000	[m]

## Additional data:

Date: 16.8.2022