



Characteristics

HALL EFFECT ANGLE
120 ° ELECTRIC ANGLE

SHAFT RUN OUT
0,025 MM

INSULATION CLASS
B

RADIAL PLAY
0,02 MM (450 G LOAD)

AXIAL PLAY
0,08 MM (450 G LOAD)

MAX RADIAL FORCE
5 N (10 MM FROM FLANGE)

MAX AXIAL FORCE
2 N

DIELECTRIC STRENGTH
500 VDC FOR ONE MINUTE

INSULATION RESISTANCE
100 M OHM MIN. 500 VDC

Specification

Model		20BLW14-12V	20BLW14-24V		
1	N° OF POLE	8	8		
2	N° OF PHASE	3	3		
3	RATED VOLTAGE	V	12	24	
4	RATED SPEED	RPM	5170	5220	
5	RATED TORQUE	NM	0,0075	0,0077	
6	MAX PEAK TORQUE	NM	0,019	0,02	
7	TORQUE CONSTANT	NM/A	0,012	0,024	
8	LINE TO LINE RESISTANCE	Ω	6,9	25,8	
9	LINE TO LINE INDUCTANCE	MH	0,7	2,8	
10	MAX PEAK CURRENT	A	1,62	0,85	
11	LENGTH	MM	14	14	
12	ROTOR INERTIA	G-CM ²	5,1	5,1	
13	WEIGHT	KG	0,023	0,023	

Connection

PIN N°	FUNCTION
1	+5V DC
2	HALL C
3	HALL A
4	HALL B
5	GND
6	PHASE W
7	PHASE V
8	PHASE U