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CROUZET

CROUZET - 52MM DIAMETER DC MOTOR WITH PANETARY GEAR - DCMIND **BRUSH SERIES**

8983BXXX Planetary 52mm gearmotor 57W 12?90Vdc 10?429pm 25Nm max

- 12→120 V dc, 57→104 W, 10→490 rpm, 25 Nm max
- Low noise/vibration
- High efficiency
- Long life
- IP65 as standard



PRODUCT DESCRIPTION

The DCmind Brush product family is Crouzet's new generation of high performance DC motors.

Engineered to be very quiet and energy-efficient, making it ideal for medical and laboratory applications and any application that requires low noise levels & low vibration - the motor without gearbox emits a noise level of 35 dBA, substantially quieter than the sound of rainfall (50 dB).

DCmind Brush has a lifespan of up to 24,000hr without load and up to 5,000hr with rated load.

The motors are rated to IP65 dust/water protection class as standard with the ability to reach up to IP69K. DCmind is certified for UL and various other specific certificates within the medicine and household industry.

Options for adapation to the standard motor include encoder, brake, special output shafts & general mechanical/electrical modifications developed according to your specific application requirements.

TECHNICAL DATA

Diameter	52 mm	
IP class	IP65	
Life span	5000h	
Max. torque	25	
Power	57 W	
Ratio	i=7→393:1	
Shaft diameter	12 mm	
Speed options	10rpm→429rpm	
Supply voltage	12 V DC, 24 V DC, 48 V DC, 90 V DC	
Type of gearbox	Planetary 1→3 stages	

GEARBOXES FOR DCmind BRUSH RANGE

3 to 25 Nm

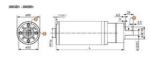








Parallel key 4 x 4 x 16 DIN6885
M4, depth 10
4 x M5 at 90", depth 10 over Ø 40



890981 L. 1 stage: 183.6 max. L. 2 stages: 197.6 max. L. 3 stages: 212 max.



Combones Family	A1	Či.	CATALOG CO.
Type of gention	Planetary e 42	Planetary e 52	RAD10 Worm gear
Supplied makes	F-70-12-12-12-12-12-12-12-12-12-12-12-12-12-	- Contract Contract	1-1-11-11-11-11-11-11-11-11-11-11-11-11
80810 IPES / Holding brake / Encoder	8981 A1 / A5 / A9		
80000 IP65 / Holding trake / Encoder	8980 A1 / A5 / A9		
89850 IP65 / Holding brake / Encoder	8985 A1 / A6 / A9		
89630 IP65 / Holding brake / Encoder		8983 81 / 85 / 89	8983 10 / 15 / 19
89890 IP65 / Holding brake / Encoder		#969 B1 / B5 / B9	8989 10 / 15 / 19
General characteristics	and the second second		
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Maximum permitted torque (Nm)	3 7.6 16	4 12 25	10
Efficiency	0.8 0.76 0.7	0.8 0.76 0.7	0.6 = 0.3
Axial dynamic toad (daN):	5 8 11	6 50 15	10
Radial dynamic load idsNi	16 23 30	20 32 45	15
Weight (kg)	0.3 0.4 0.5	0.7 0.9 1.1	0.6
Standard reduction ratios	9 45 302	7-9 28-45 302	5 - 10 - 20 - 30 - 50
Other ratios possible	58 - 137 - 232 - 393	58 - 137 - 192 - 232 - 393	15 - 100
Operating temperature	-30 → ±70°C	<30 → ×70°C	-10 -+ +75°C
Typical noise level	45 dBA	45 dBA	45 dBA
Comments 111111111111111111111111111111111111			
Planetary georboxes:	The second secon		(5)

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3 to 25 Nm











