

Xtrafor Washdown AC Servomotors



Features

- Smooth edges
- Stainless steel housing and shaft
- Protection IP 67

Power

- Torque from 1.28 to 4.75 Nm

Executions

- Wide range of standard models
- Customized versions
- Sizes 134 to 235 mm

XtraforsWashdown, AC Servomotors

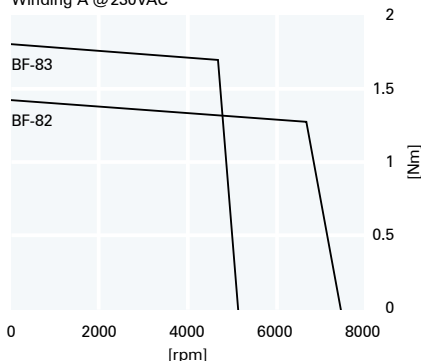
The housings of these synchronous servomotors are manufactured from stainless steel with a plain cylindrical shape. The smooth outline makes them particularly well suited for applications in food, medical, pharmaceutical and chemical industries as well as in other similar industrial branches.

Technical data

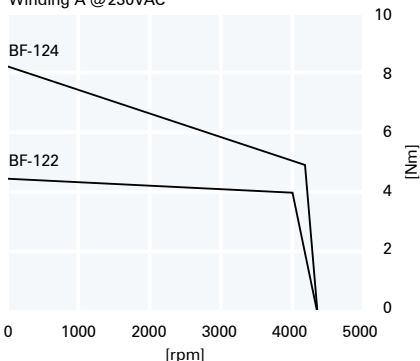
	Rated torque	Rated speed	Peak speed Winding A			Peak speed Winding 4	
			Rated current	@230VAC	@400VAC	Rated current	@400VAC
	[Nm]	[rpm]	[Arms]	[rpm]	[rpm]	[Arms]	[rpm]
BF-82	1.28	6700	2.67	7450	–	1.60	7900
BF-83	1.70	4650	2.46	5170	8520	0.15	5100
BF-122	3.90	4000	4.70	4350	7550	2.57	4100
BF-124	4.75	4210	5.72	4350	7500	3.28	4300

Torque curves

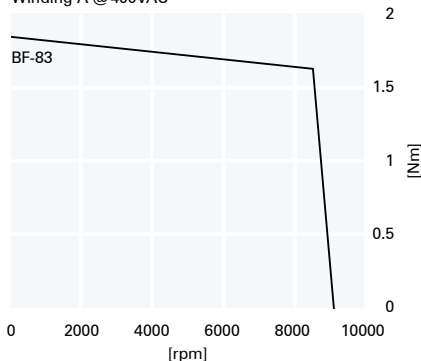
Winding A @230VAC



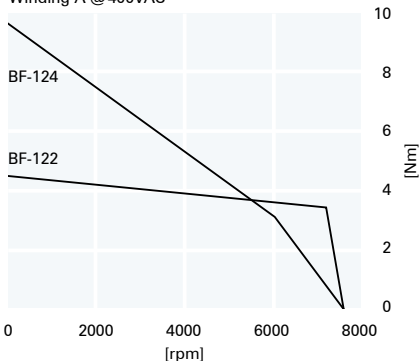
Winding A @230VAC



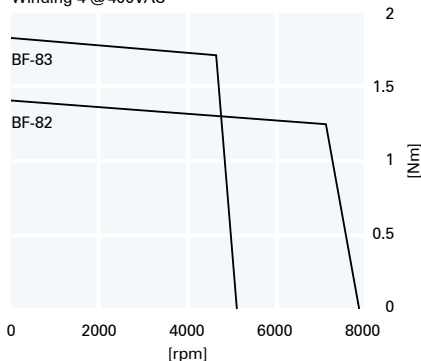
Winding A @400VAC



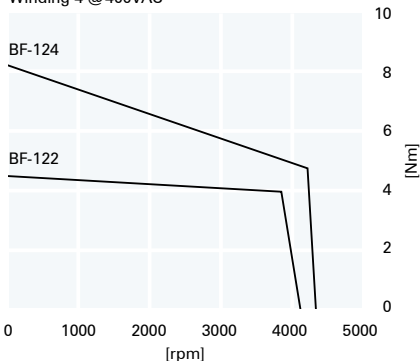
Winding A @400VAC



Winding 4 @400VAC



Winding 4 @400VAC



Standard version

- Resolver feedback
- Stainless steel housing
- Stainless steel shaft
- Protection IP 67
- Direct cable output
- NTC thermal sensor
- 230VAC or 400VAC winding

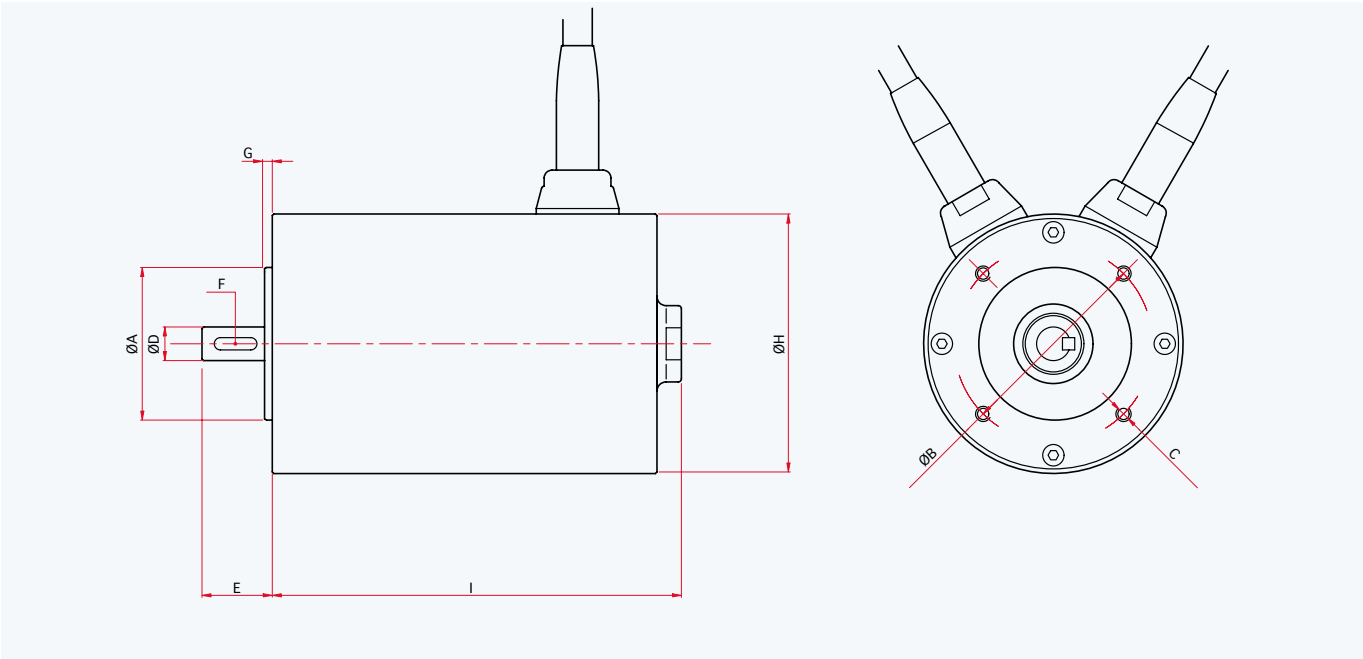
Options

- Various types of incremental encoders
SinCos encoders, Hyperface, EndDat
- Shaft without keyway
- PTC thermal sensor

Customized versions

- Winding

Mechanical dimensions



Dimensions [mm]		BF-82	BF-83	BF-122	BF-124
A Ø	j5	50	50	80	80
B Ø		65	65	100	100
C		4xM5	4xM5	4xM6	4xM6
D Ø	k6	11	11	19	19
E		23	23	40	40
F		A4x4x14	A4x4x14	A6x6x30	A6x6x30
G		2.5	2.5	3.0	3.0
H Ø		85	85	125	125
I	without brake	134	152	185	235
	with brake	158	175	206	256

Brakes

Torque	[Nm]	1.5	3.0	8.0	12.0
Tension	[VDC]	24 (+6% – 10%)			

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