

FFB Brake Motor

A flexible concept

FFB brake motors are built on the IMfinity® motors platform. Thanks to their tried-and-tested design and their flexible configuration, they offer optimum characteristics in terms of reliability, robustness, performance and safety.

Their modularity and wide range makes them ideally suited to all kinds of automation and material handling applications.

Benefits of the FFB brake motor

- Scalable
- Easy to deploy without adjustment and in complete safety
- Precise control of movement and information feedback
- Low inertia for better braking dynamics and speed
- Suited to fixed speed and variable speed
- Operating safety: control of the braking parameters
- Systems longevity: compatibility of movement transmission devices
- FFB booster: rapid brake opening and closing for improved productivity



Main specifications

Basic standard motor	
Frame size	71 to 180 mm
Power	0.25 to 22 kW
Polarity	2, 4, 6 poles
Efficiency class	Non-IE, IE3
Mountings	IEC: B3, B5, B14, B34, B35 - Gearbox integral mounting
Protection rating	IP55
Insulation class	F
Ambient temperature	-20°C to +40°C
Thermal protection	PTC as standard from 160
Housing	Aluminium or cast iron
Paint finish	RAL 6000
Voltage range	230-380-400-415-460 V
Frequency range	50 or 60 Hz
Standards	CE, C-UL, C-UL-USA
Coils voltage	180 V or 20 V / DC
Maximum speed	4500 min ⁻¹
Braking torque	4.5 to 200 N.m

Options

- Auto-return hand brake release (DLRA)
- Brake release lock off (DLM)
- Remote brake release (DMD)
- Encoder and forced axial ventilation
- Booster supply
- Crank shaft socket