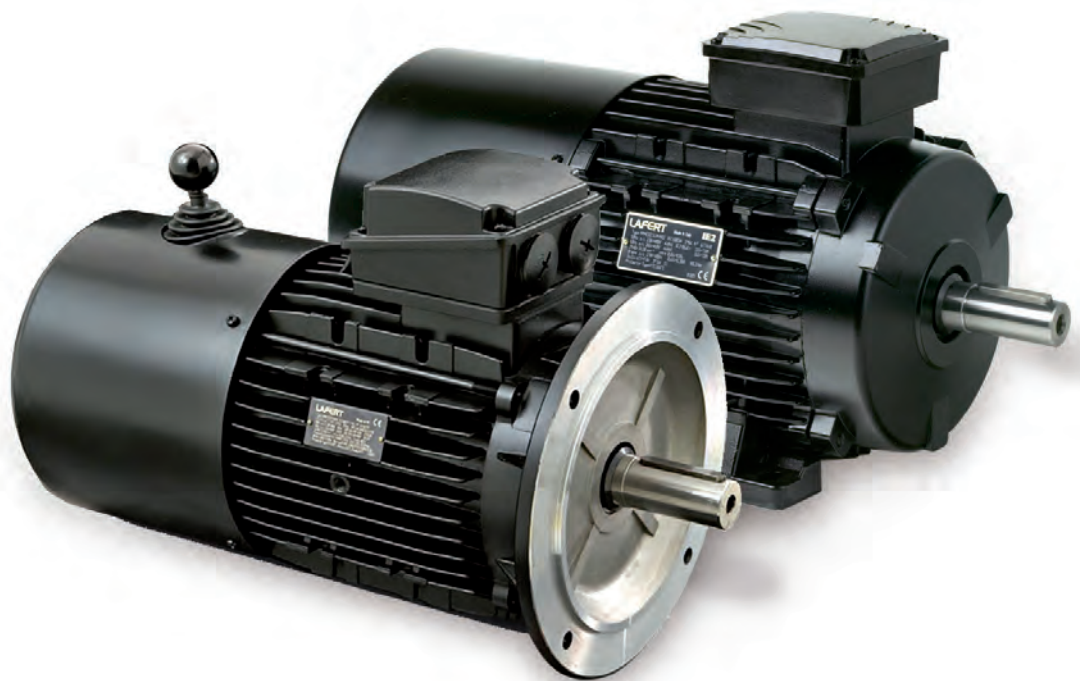


BRAKE MOTORS

HIGH TORQUE - DC BRAKE (AMBY SERIES)
HIGH TORQUE - AC BRAKE (AMBZ SERIES)
LOW TORQUE - DC BRAKE (AMS SERIES)





The Lafert range of Brake Motors has the flexibility to combine all options of both **three-phase (IE1 or IE2 efficiency level or two-speed) and single-phase** motors. DC and AC brakes are available as is the extensive Lafert experience of customisation. With a wealth of alternative components to choose from, Lafert can manufacture Brake Motors for many special executions (for hostile, marine, off-shore environments, as well as those prone to corrosion, especially in the sector of wind turbines for the nacelle rotation).

STANDARD FEATURES

	AMBY SERIES	AMBZ SERIES	AMS SERIES
Frame size	- 63 to 160	- 63 to 160	- 63 to 160
Power	- 0.12 to 22kW	- 0.12 to 22kW	- 0.12 to 22kW
Poles	- 2, 4, 6, 8 (two speed on request)	- 2, 4, 6, 8 (two speed on request)	- 2, 4, 6, 8 (two speed on request)
Insulation class	- F	- F	- F
Degree of protection	- IP54 (for 63 to 132) - IP55 (for 160) - IP56 (on request)	- IP54 for 63 to 132 - IP55 for 160 - IP56 (on request)	- IP54 - IP55 (on request)
Efficiency level	- IE1 or IE2	- IE1 or IE2	- IE1 or IE2
Braking torque	- 1.8 to 250Nm; $M_b \geq 1,5M_n$	- 1.8 to 250Nm; $M_b \geq 1,5M_n$	- 3 to 30Nm; $M_b \leq M_n$
Brake	- DC Spring-applied electromagnetic fail safe brake with step-adjustable braking torque	- AC Spring-applied electromagnetic fail safe brake with step-adjustable braking torque	- DC Spring-applied electromagnetic fail safe brake with fixed braking torque
Braking surface	- Double braking surface, fitted with asbestos free friction materials	- Double braking surface, fitted with asbestos free friction materials	- Single braking surface, manufactured with asbestos free friction materials
Power supply	- With rectifier (via the terminal board): 230V 50/60Hz, others on request	- Brake power supply: 230/400V 50Hz on dedicated terminal board	- With rectifier (via the terminal board): 230V 50/60Hz, others on request
Special executions Options	<ul style="list-style-type: none"> - cURus and cURus Energy certification available on request - Other power supply with rectifier (via the terminal board) - Rectifiers for fast braking and release - Micro-switch for brake status/air gap monitoring - Anti-sticking executions - Executions for yaw applications on wind turbines (even Off shore) - Executions with brake parts in stainless steel - Silenced execution for theatres - Shaft ends (both LC and LOC) in stainless steel - Wide range of special execution (encoder, axial forced-ventilation, brake hand release lever, flywheel,...) - Wide range of surface painting/ finish to meet every environmental conditions 	<ul style="list-style-type: none"> - cURus and cURus Energy certification available on request - Other brake supply values - Micro-switch for brake status/air gap monitoring - Anti-sticking executions - Executions for yaw applications on wind turbines (even Off shore) - Executions with brake parts in stainless steel - Shaft ends (both LC and LOC) in stainless steel - Wide range of special execution (encoder, axial forced-ventilation, brake hand release lever, flywheel,...) - Wide range of surface painting, finish to meet every environmental conditions 	<ul style="list-style-type: none"> - cURus and cURus Energy certification available on request - CCC certification available on request - Other power supply with rectifier (via the terminal board) - Rectifiers for fast braking and release - Execution with increased torque (+50% of catalogue value) - Shaft ends (both LC and LOC) in stainless steel - Wide range of special execution (encoder, axial forced-ventilation, brake hand release lever, ...) - Wide range of surface painting/ finish to meet every environmental conditions
Target applications	<ul style="list-style-type: none"> Automation Lifting Gear motors Wind turbines (yaw application) Transfer machines Packing machineries Food & Beverage 	<ul style="list-style-type: none"> Lifting Gear motors Wind turbines (yaw application) Ceramic industry Food & Beverage 	<ul style="list-style-type: none"> Automation Woodworking machineries Cutting machineries Machineries for the construction sector (bending machines) Food & Beverage