

IEC Low voltage motors

Global product offering

ABB is a leader in power and automation technologies that enable utility, industrial and commercial customers to improve performance, reduce cost and minimize environmental impact. ABB partners with customer-focused distributors to deliver a very wide range of innovative and high-quality products, solutions and services.

GENERAL PERFORMANCE MOTORS		
Product / Offering	Benefits and features	Suggested applications
General performance cast iron motors M2BAX 71-355 IE2, IE3 0.25 - 355 kW	 Best suited for applications where simplicity and off-the-shelf availability is of highest importance.	Pumps, fans, conveyors, food and beverage machinery, compressors, general machinery.
PROCESS PERFORMANCE MOTORS		
Process performance cast iron motors M3BP 71-450; IE2, IE3, IE4 0,25-1000 kW	 Fully flexible motors for any customer need for reliability, availability and highest efficiency.	Pumps, fans, compressors, crushes, mills, centrifugal machines, presses, grinders and general process applications.
Process performance cast iron motors M3AA 63-280; IE2, IE3 0,12-80 kW	 Fully flexible motors for any customer need for reliability, availability and efficiency, light weight and easy to clean.	Pumps, fans, compressors, crushes, mills, centrifugal machines, food and beverage applications - target easy cleaning and general process performance applications.
Synchronous reluctance motor-drive packages M3AL/M3BL 132-315 IE4 5.5-315 kW	 Synchronous reluctance motor-drive packages provide the advantages of permanent magnet motors together with the cost-efficiency, simplicity and service-friendliness of an induction motor.	Suitable for a wide range of applications such as pumps, fans, compressors, extruders, conveyors and mixers.

IEC Food Safe stainless steel motors

M3MA 71-132, IE3
0.25-7.5 kW



Uncompromised hygienic solution, easy to clean.

Food and beverage - meat, poultry, fish, dairy, beverage - where high food safety is essential.

MOTORS FOR EXPLOSIVE ATMOSPHERES

Product / Offering		Benefits and features	Suggested applications
Flameproof motors Ex d/Ex de M3JP, M3KP 80-450; IE2, IE3 0,55-950 kW		Certified for maximum safety, for environments with gas explosion risk.	Applications where explosion hazards may exist due to flammable gases, flammable and combustible liquid-vapors.
Increased safety Ex ec motors Cast iron M3GP 71-450; IE2, IE3 Aluminum M3AA 71-280; IE2, IE3 0,25-1000 kW			
Increased safety Ex eB motors Cast iron M3HP 80-400; IE2 0,55 - 390 kW			
Dust ignition proof Ex t motors Cast iron M3GP 71-450; IE2, IE3 Aluminum M3AA 71-280; IE2, IE 0,25 - 1000 kW		Certified for maximum safety, for environments with dust explosion risk.	Applications wehre explosion hazars may exist due to flammable dust.
ABB Ability™ Smart Sensor for motors		Condition monitoring solution enabling predictive maintenance for motors via smartphone or dedicated web portal. By monitoring the condition and performance of their motors - vibration, bearing condition, misalignment, temperature - users can avoid unexpected downtime, optimize efficiency and improve safety. - For induction motors, frame sizes 56-450 - Available as option - Can be easily retrofitted to existing motors (ABB and non-ABB)	



Visit page:
Motors&Generators



Visit page:
Channel Partners

abb.com/motors-generators
new.abb.com/motors-generators/
channel-partnets

Copyright© 2019 ABB
All rights reserved

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB.