



*"The Right Control
for Your Application"*



Sales Presentation KBG2 and KBG3 Series

AC Drives Range 0.33 HP – 30 HP (0.25 kW – 22kW)

115 V, 230 V, 460 V and 575 V

KBG Series Overview

General Purpose Drives Feature Differences



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KBG2	KBG3
Up to 30 HP (22 kW)	
Flexible communications	
Programmable IEC61131-3 controller: Machine Control Studio software	
RS485 Modbus Communications (requires AI-485 adaptor)	
	Safe torque off

KBG2 Series – Flexible Connectivity



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Ideal for

Automation
processes requiring
additional control and
fieldbus connectivity

Typical applications

Speed control for
conveyors, fans,
positive displacement
pumps and mixers,
where their functions
are controlled
remotely via fieldbus
or Ethernet
communications



KBG3 Series – Safety Onboard (STO)



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Ideal for

Automation processes requiring additional control, fieldbus connectivity and safety control

Typical applications

Speed control for material transport, cutting, woodworking, machine tools, applications where their functions are controlled remotely via fieldbus or Ethernet communications and protection of people or assets is required



Fast and Easy Drive Setup



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You can find all parameters (Pr) for quick motor setup on the front of the drive, and be up and running within seconds.



- 1.** Set motor rated current (Pr 06)
- 2.** Set motor RPM (Pr 07)
- 3.** Set motor voltage (Pr 08)
- 4.** Set motor power factor (Pr 09)

Our fast set-up gets your motor up and running in seconds.

Parameter Transfer



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AI 485 Adaptor 24V
Transfer settings via RS-485 cable



AI-Backup Adaptor
Store parameters on SD card



AI-Smart Adaptor
Store parameters on internal memory

Fast backup and batch transfer of parameters.

Small Form Factor



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	Drive Manufacturer				
	KB	German	Swiss	American	French
Height (cm)	27.7	18.4	20.2	26	23.2
Width (cm)	11.5	18.2	16.9	13	15
Depth (cm)	17.4	16.9	16.9	18	23.2
Power Density (per kW)	1008	1029	1049	1106	1468

Example based on a 5.5kW drive, heavy duty.



One of the smallest footprint drives on the market.

Reliability



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Our drives provide extensive protection from the three main causes of field-failure:



Ingress

- Conformal coated PCBs
- Patented air flow systems
- Ingress protection IP21



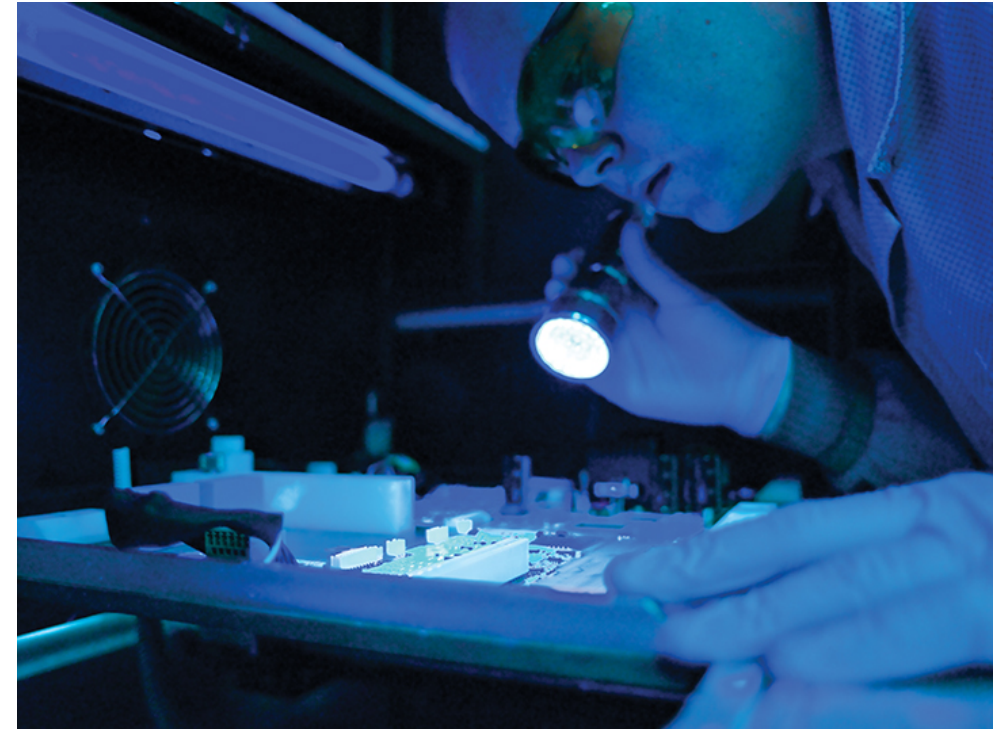
Electrical

- Wide supply voltage tolerance
- Trip avoidance
- Power supply loss ride-through



Temperature

- Adjustable ratings
- Three speed, easy-change fan

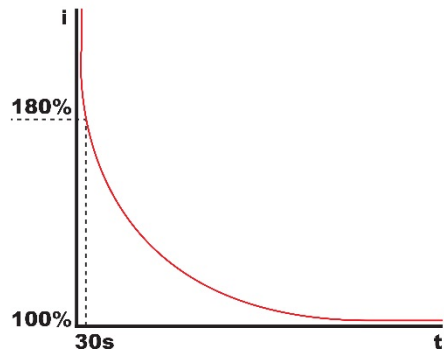


Drive designed to keep machines running, even in harsh environments.

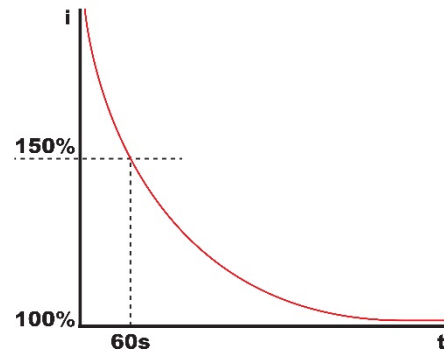
High overload capability



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180% for 30s



150% for 60s

Drives require more torque to maintain speed during start-up or when load is added



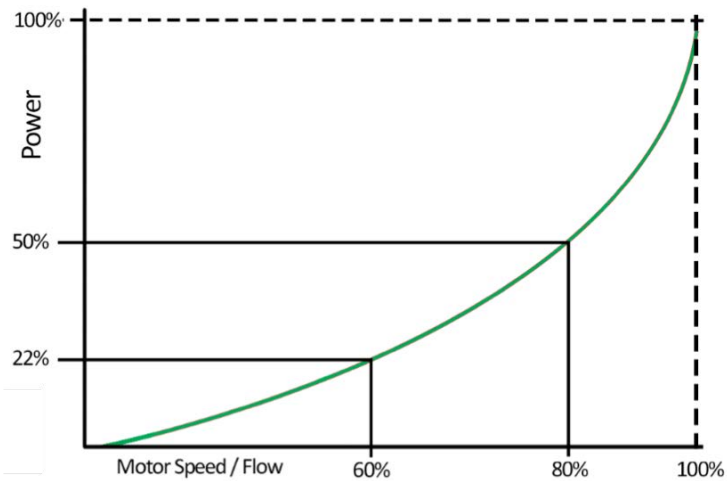
Cuts the cost of specifying oversized drives for applications where there are short demand spikes

Energy Saving



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Square law V/F mode



Low power standby mode

Automatic 3-speed cooling fan



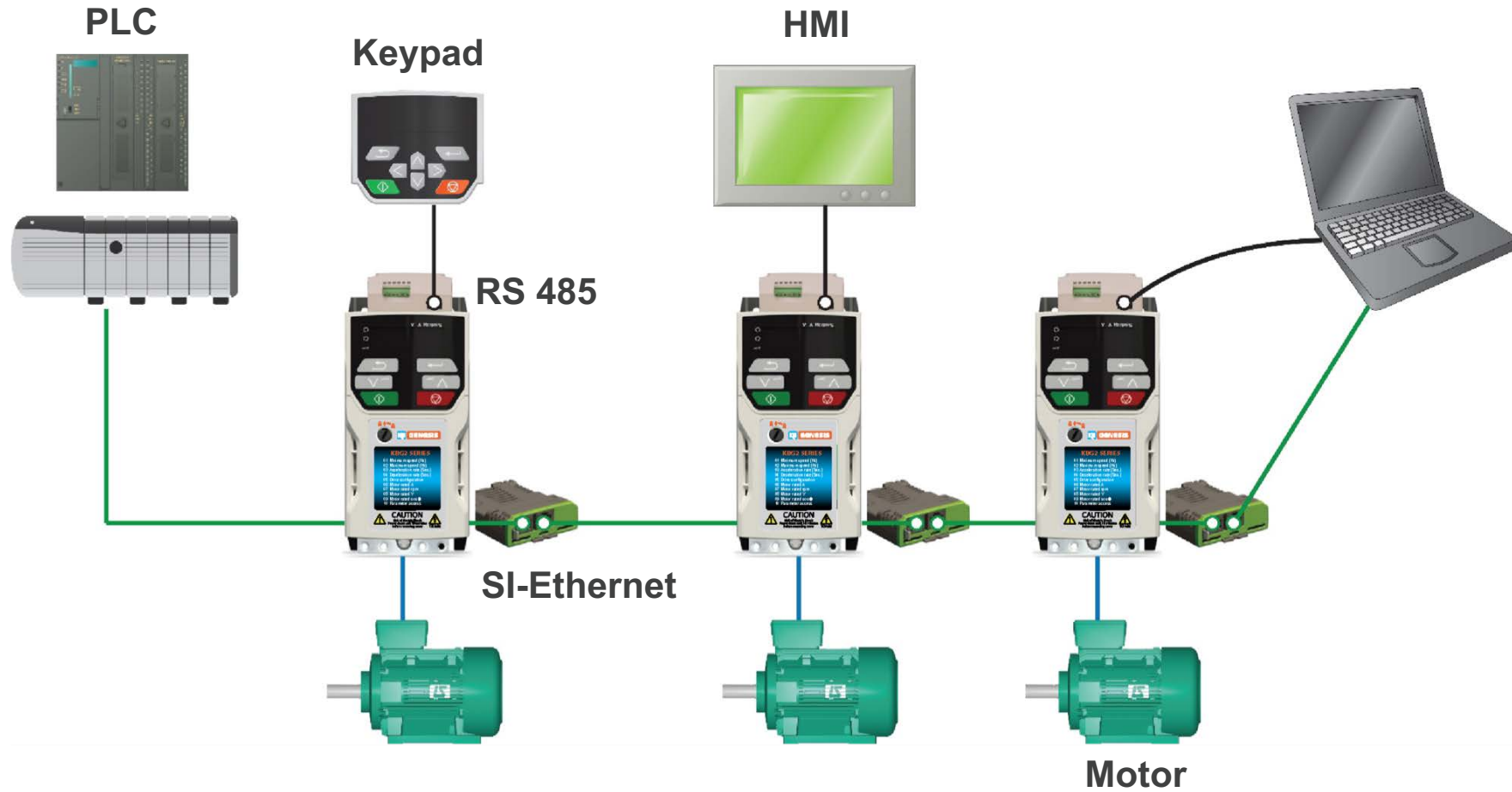
Dynamic V/F mode

98% efficient

System Integration



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Advanced Machine Control



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Intelligent pump control



Washing machines



Entry barriers



Increase functionality with onboard PLC, and safety option

Intuitive Commissioning Software with KB Connect



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Easy to navigate



User-friendly graphical tools



Dynamic drive logic diagrams



Cloning



Customisable screens



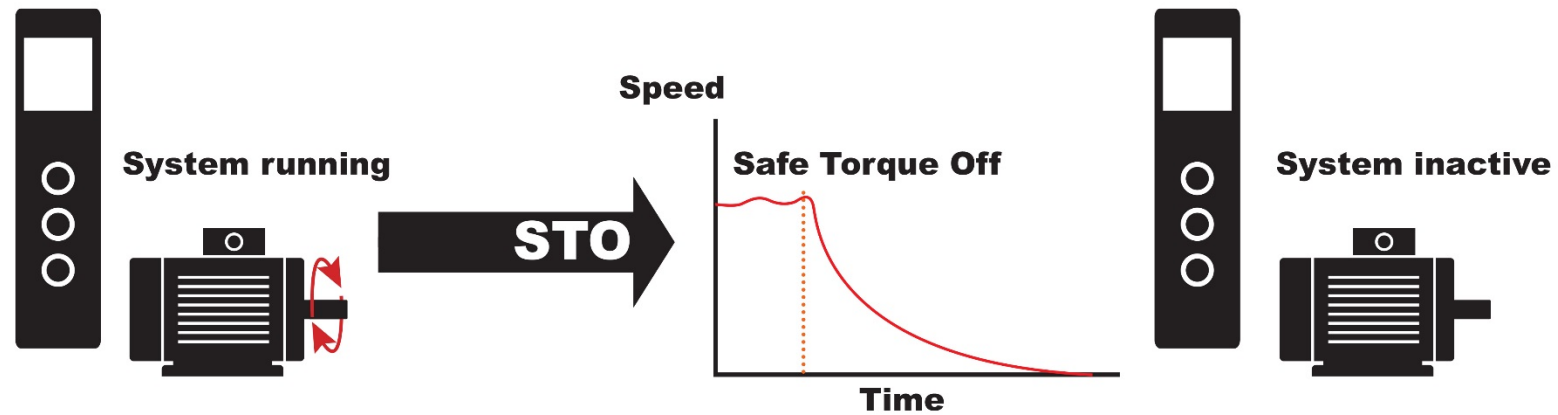
Finds drives on network automatically



Integrated Safety System



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Dual Safe Torque Off (STO) input, certified to SIL3/PlE *KBG3 only



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