



400 V 3-phase
3.5 kW to 300 kW

R1000 Regenerative Unit

The YASKAWA R1000 regenerative unit with block switching is an ecological, sustainable alternative for braking resistors. Moreover, compared with conventional solutions, it saves space and reduces maintenance. The braking energy fed back into the net additionally reduces costs and protects the environment.

- ▶ Regenerative unit with a wide power range
380 .. 480 V AC 3.5 to 300 kW
- ▶ Allows 4-quadrant-operation without braking resistors
- ▶ Replacing braking resistors saves space and facilitates installation
- ▶ Proven YASKAWA quality
- ▶ Since the resistors do not generate heat, less cooling is required for the switch cabinet; this saves energy and reduces costs
- ▶ Provides regenerative energy for other consumers in the plant and, thus, reduces the total power consumption of buildings or factories
- ▶ Quick amortisation of investments

Applications with energy feedback



Escalators



Lifts



Cranes



Winders



Presses

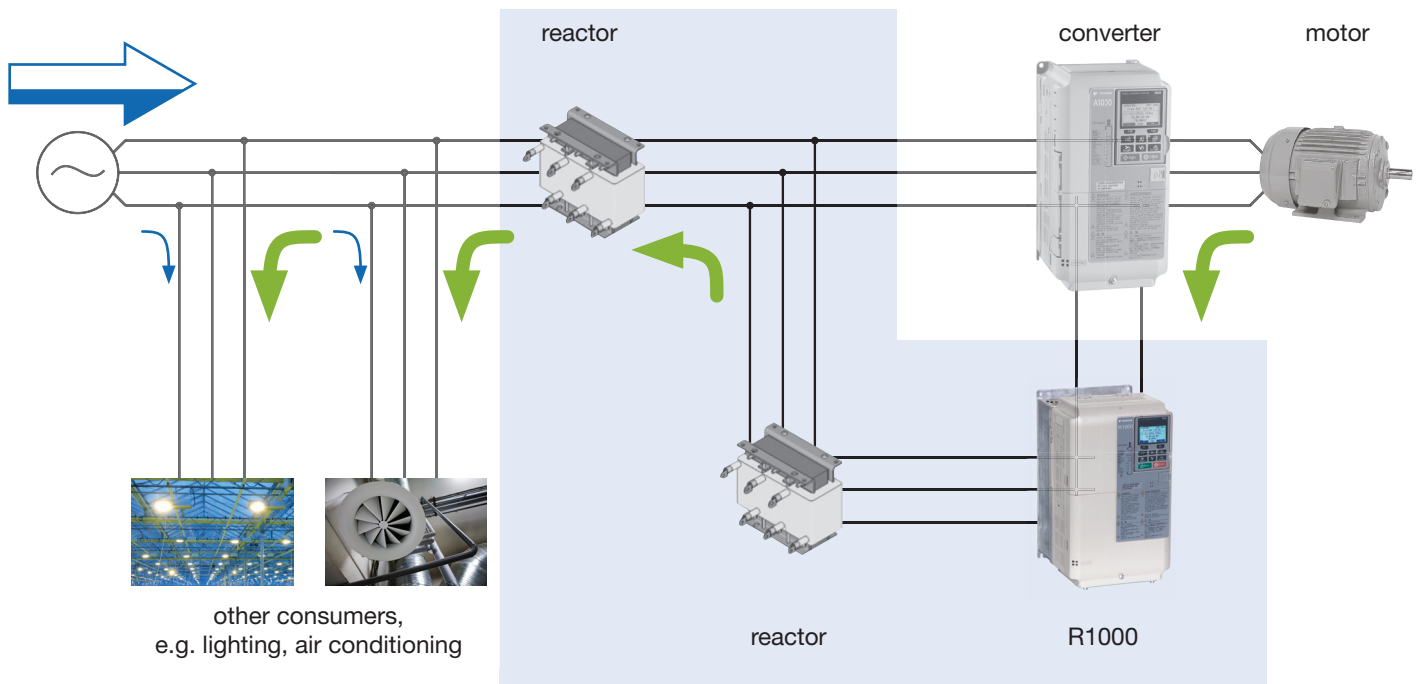


Machine Tools



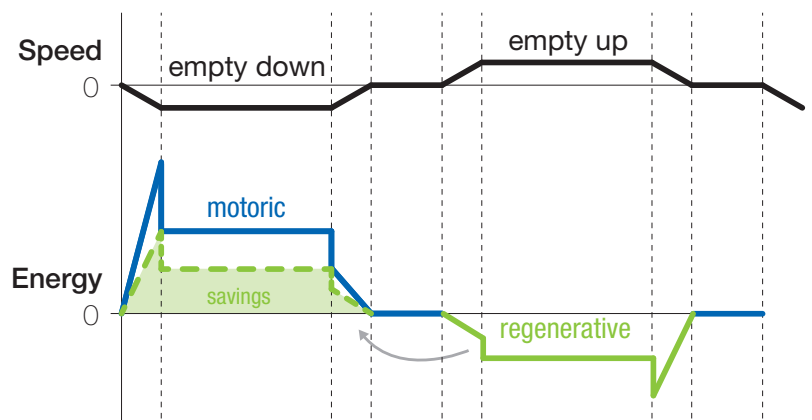
Components

The R1000 regenerative system, consisting of the components R1000, fuses, mains choke, and power-coordinating reactor, is mounted directly before the frequency converters.



Example “Lift”

Depending on the application, the R1000 regenerative system saves considerable energy costs. The diagram on the right shows that the energy consumption can be reduced by up to 50%. Extra costs for the system can thus be saved partly within less than two years.



International Standards



RoHS Directive

RoHS Directive stands for the EU directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment