



DAIKIN VFD DRIVES

High value with strong portfolio

HVAC Drive DAA 102



HVAC Basic Drive DAA 101



Micro Drive DAA 51



QUIET COOLING FAN OPERATION OVER THE ENTIRE POWER RANGE

DAIKIN VFD DRIVES

Daikin Parts will stock drives in Dayton, OH, a complete Daikin VFD Drives product covering virtually any need.

3-year standard warranty, plus 2 year extended warranty.

Aggressive pricing.

Products providing great value. The configurations will grow based on your requirements.

Contact your local Daikin Store or area representative to assist in crossing ABB to the Daikin VFD Drive.

HVAC Drive DAA 102

Leading drive for heating, ventilation and air conditioning systems

Power range

3 x 200-240 V 1.1-45 kW

3 x 380-480 V 1.1-1000 kW

3 x 525-600 V 1.1-90 kW

3 x 525-690 V 1.1-1400 kW

Protection ratings

IP00

IP20

IP21/Type 1

IP54/Type 12

IP55/Type 12

UL Type 3R



FEATURES

Modular product concept with a wide range of options

Wide range of HVAC protocols for BMS controller connectivity

Integrated fan, pump, and compressor functionality

Fire Mode, Dry run Detection, Constant Torque

Automatic Energy Optimizer function, advanced version

Max ambient temp. 50° C without derating (D-enclosure 45° C)

Wireless LCP for remote access from any device

Integrated DC link harmonic filters

Integrated EMC filters

BENEFITS

Low initial investment – maximum flexibility, later upgrade possible

Less extra gateway solutions needed

Saves external control and conversion equipment

Protects equipment and saves energy

Saves 5 – 10% energy

No external cooling or over-dimensioning is necessary

Faster, easier start-up and operation

Small power cables, which meets EN 61000-3-12

Meets EN 55011 Class B, A1, or A2

HVAC Basic Drive DAA 101

Efficient, basic control of fans and pumps in HVAC applications

Power range

3 x 200-240 V 0.25-45 kW

3 x 380-480 V 0.37-90 kW

3 x 525-600 V 2.2 - 90 kW



PM motor control

and asynchronous motor control as standard increase flexibility and efficiency.

15-25%

Energy saving

The Automatic Energy Optimizer saves 15-25% energy from the second you turn it on.

Available enclosure ratings

IP20

IP21/UL Type 1 (separate option kit)

Quiet cooling fan operation over the entire power range

FEATURES

- Flying Start
- Auto-restart
- Built-in PI controller
- Automatic Energy Optimizer function
- Fire Override mode
- Sleep mode
- Robust single enclosure
- Operate both PM and induction motors
- Easy connect and start-up wizard
- Built-in EMC filter
- Cooling fan operation adjusts precisely to load
- Max ambient temp. up to 50° C

BENEFITS

- Reduced mechanical wear on equipment
- It saves time and money
- No external PI controller required
- Saves additional 5-15% energy
- Enhanced safety
- It saves energy and extends the lifetime
- Maintenance-free
- Versatile, only one drive type required
- Effective commissioning and operation
- Meets protection class C1, C2, or C3
- Silent or low noise level only
- No external cooling

Micro Drive DAA 51

A general-purpose drive for control of AC motors up to 22 kW

Power range

1x200-240 V	0.18-2.2 kW
3x200-240 V	0.25-3.7 kW
3x380-480 V	0.37-22 kW

Protection ratings

IP20
IP21/Type 1



150% motor torque

for up to 1 minute enables you to use a smaller drive without sacrificing efficiency

Increased drive lifetime

Improved EMC performance and reduced voltage ripple on the DC link enhance reliability and drive lifetime.

FEATURES

- High-quality power modules
- Minimum commissioning
- Intuitive parameter structure
- Plug and Play
- Compact, book-style design
- Coated electronics
- Flying start
- Electronic Thermal Relay (ETR)
- Copy settings via the local control panel
- Smart Logic Controller
- Built-in RFI filter
- Highly efficient cooling

BENEFITS

- Energy efficiency 98%
- Save time
- Minimal manual reading
- Minimum effort – minimum time
- Save panel space
- Longer lifetime and reliability
- Lean operation – more up-time
- Replace external motor protection
- Easy set-up of multiple drives
- Often makes PLC commissionable
- Save on cost and space
- Allows up to 50° ambient temperature



FOR MORE INFORMATION ABOUT OUR COMPLETE OFFERING OF HVAC SYSTEMS AND SOLUTIONS, VISIT DAIKINAPPLIED.COM TO FIND AN OFFICE NEAR YOU.