

Drives & Controls

A detailed technical line drawing of a motor assembly, showing the stator, rotor, and various mounting and control components. The drawing is rendered in white lines on a dark background, with a grid overlay.

HOYER
MOTORS

Integrated drives

Our integrated VFD solutions are cost-efficient and easy to install. With a compact and flexible design they are often used for smaller OEM applications.

What we offer

- Perfect integration with Hoyer Motors IE2, IE3 and IE4 industrial range
- Fast deliveries
- A plug and play solution
- Flexible setup depending on customer demand



Integrated drives

THE INVEOR M

- IP65 protection
- Integrated soft PLC
- Pre-fitted cable glands
- Fan-free design up to 7.5 kW
- Robust housing design
- STO functional safety
- Certificate and conformity: CE, cULus listed, RoHS 2011/65/EU

OPERATION AND CONTROL

- Potentiometer
- M12 RS485 service interface
- Integrated foil keypad
- MMI handheld controller
- MMI cover option
- Touch operated terminal
- KOSTAL INVERTER pc software
- KOSTAL app for mobile

COMMUNICATION

- Digital & Analog I/O
- Bluetooth
- CANopen
- Ethercat
- MODBUS RTU
- PROFIBUS
- PROFINET
- Sercos

HOYER MOTORS ADAPPTIONS

- For IE2, IE3 and IE4 motors
- Motor design for VFD duty
- Vibration resistant adapter design
- Complete Hoyer documentation



Output

0.37-30 kW

Brand

Kostal

Applications

Pumps, Fans, HPU's

Kostal range

INVEOR M
INVEOR MP

Motor range

Industrial motors IE2,
IE3, IE4

Segments

Water, HVAC, HPU,
general industry

Stand alone & Cabinet drives

Stand alone & Cabinet drives are popular solutions in most markets as it supports all motor sizes and is easy to integrate in both existing and new systems.



What we offer

- Perfect integration with entire Hoyer Motors range
- Versatile VFD and motor solutions
- Fast deliveries
- Flexible setup depending on customer demand
- A perfect solution for retrofit projects

Stand alone & Cabinet drives

ATV 600 & 900 SERIES

- Multi purpose process drives for pumps, fans and heavy duty applications
- Low voltage drives 200V – 690V
- 0.37 – 1200 kW
- IP00 – IP55 Enclosures

INCREASED UP-TIME AND USER FRIENDLINESS

- Robust construction with 3C3 coated circuitboards and design for de-central placement
- Display with QR code for diagnostics
- Local and remote diagnostic for correction and preventive maintenance
- IoT ready solution with WEB server and real time data collection

VARIOUS APPROVALS

- Marine: ABS, BV, DNV/GL
- UL, CSA, TÜV, REACH, CE



FLEXIBLE CONTROL SYSTEM

- Digital and analog in- and output + relays
- Extended option cards for special applications
- Embedded safe stop input
- Various bus and Ethernet communication

ENERGY EFFICIENT SOLUTION

- Up to 30% energy savings on stand by "Stop & Go" function
- Energy optimization feature for fan and pump applications
- Generative modules for regenerating power to main supply (ATV 900)

FLEXIBLE INTEGRATION TO SUPPLY GRID

- Lockable main switch for maintenance
- Various line and output filters for improved performance

Output

0.37-1.200 kW

Brand

Schneider Electric

Applications

All applications

Schneider range

ATV 600
ATV 900

Motor range

Full Hoyer Motors range

Segments

All segments

Technical data for Stand alone & Cabinet drives

The Schneider Electric ATV 600 & 900 ranges hold endless opportunities supported by great network service, data logging and remote access to energy usage overview.

Drive size Motor size IEC 2-8 pole	Altivar process ATV 600	Altivar process ATV 900
Designs	Stand alone or cabinet mounted	
Application types	Fluid and air handling Centrifuge pumps and fans	High and constant torque applications
Power	0.37 - 1200 kW depending on voltage	
Voltage	3 phase 200 – 240VAC, 380 – 480VAC, 500 – 690VAC 50/60 Hz	
IP class	IP00, IP21, IP23, IP54, IP55 – depending on power sizes	
Approvals	CE,CSA, REACH, UL, TÜV / Marine: ABS, BV, DNV/GL	
Mounting	Central in cabinets or de-central	
Regenerative energy function	No	Standard: Load sharing Optional: Regenerative module
EMC	EMC filter for C2 and C3 environment (up to 150 m. motor cable).	
Embedded safety stop input	Yes – Safe torque off SIL 3	
QR code communication	Yes – for diagnostic and type indication	
Harmonic limitation	Low harmonics. THDI <48% at 80% load	
Bus & Ethernet communication embedded	Modbus RTU, Modbus TCP	Modbus RTU, Modbus TCP, Ethernet IP
Bus & Ethernet communication Option	Profibus DPV1, Profinet, DeviceNet, Ethernet IP, BACnet, Ethernet Powerlink, CANopen	Profibus DPV1, Profinet, DeviceNet, CANopen, EtherCat, Powerlink
Power options	Main switch on input, circuit breakers, fuses, dU/dt filters, sine wave filters, line/motor chokes, breaking resistors, regenerative modules	

The demand for higher energy efficiency is essential and an increasing number of applications are driven by a combined electric motor and variable frequency drive solution. Hoyer Drives & Controls allows you to have precise control of application speed and thereby ensures sustainable energy savings.

Up to 50% energy savings

- One package with motor and drive delivered by Hoyer Motors
- One point of contact for motors and drives
- Fast and reliable delivery
- Cost-efficient setup

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