

DH SERIES

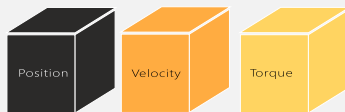
AC SERVO DRIVE

Designed for servomotors

High cost and performance

Optional Mode

Supporting Torque, Velocity or Position mode



- 1) Input Pulse control
- 2) Position digital given
- 3) Position analog given
- 4) Speed digital given
- 5) Speed analog given
- 6) Torque digital given
- 7) Torque analog given

Easy to use

Friendly user interface PC software

optimized for best performance
Oscilloscope function
Easy to save the parameters and copy
Remote control through the internet

Cost effective

Full Featured Servo Drive
High-performance low-cost digital servo drive
Supporting Current, Velocity or Position mode

More Torque for Less Money
Feedforward control Function
Well-matched with any poles motor
Well-matched with any ppr encoder

Custom desing

Configure your Drive reference by our nomenclature

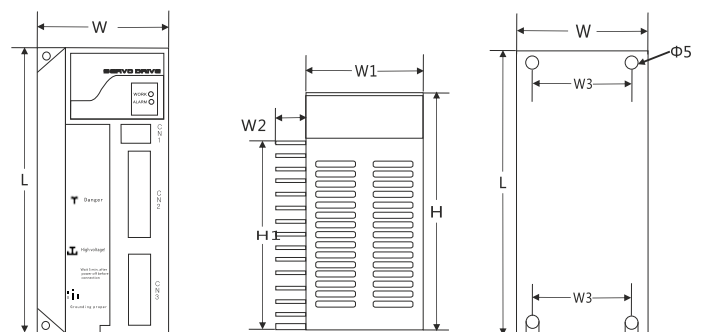
| Nomenclature | Power (1 - 3 Phase AC) | Current |
|--------------|------------------------|---------|
| DH2R8__ | 400W - 750W | 2,8 A |
| DH5R5__ | 750W - 1,5 kW | 5,5 A |
| DH010__ | 1,5kW - 2,6 kW | 10A |

Example of Driver's nomenclature: DH2R8GM

| | | | | | | |
|-------------|------|----------------------|------|-------------------|------|--------------|
| DH | 2R8 | G | M | | | |
| ↑ | ↑ | ↑ | ↑ | | | |
| Series Code | Mark | Rated output current | Mark | Voltage | Mark | Encoder type |
| | 2R8 | 2,8 A | G | 3 phase 220V | M | Incremental |
| | 5R5 | 5,5 A | H | Single phase 220V | X | Resolver |
| | 010 | 10 A | I | 3 phase 380V | | |

Dimensions

| W | H | L | W1 | W2 | W3 | H1 |
|------|-------|-------|------|------|------|-------|
| 83mm | 145mm | 180mm | 65mm | 18mm | 75mm | 120mm |





DH AC servo drive

| | | |
|---------------------------|---------------------------------|---|
| Basic parameters | Input voltage | Single phase AC 220V or three phase AC 220V or three phase 380 V |
| | Voltage/Frequency | Voltage $\pm 15\%$, frequency 50/60Hz |
| | Output power range | 400W - 2600W |
| | Cooling | Natural air cooling |
| | Feedback | Incremental photoelectric encoder |
| | Control Method | Field oriented control and SWPWN (space vector modulation) |
| | Operate method | Position control; speed control; torque control |
| Position | Following error | ± 1 Pulse |
| | Input pulse | Pulse + Direction |
| | Max.Pulse input frequency | < 500k PPS |
| | Electronic Gear ratio | Electronic gear ratio A/B (1/65535<A/B<65535) |
| | Position complete width setting | 0-10000 Pulse |
| | Smoothing strategy | Position slope |
| | Precision | 1/10000 |
| | Control source | Pulse, communication, analog voltage |
| Speed control | Max Speed | 5000 rpm |
| | Min Speed | 1 rpm |
| | Speed accuracy | 1 rpm |
| | Smoothing strategy | Speed slope |
| | Control source | Pulse, communication, analog voltage |
| Torque control | Control source | Communication, analog voltage |
| I/O signal | Position output | A phase, B phase, Z phase and differential signaling output |
| | Terminal output | Servo ready, alarm, motor zero, motor brake control |
| | Pulse input | 5V differential signal input |
| | Terminal input | Servo start, reset, forward position limit, reverse position limit |
| Monitor | | Bus voltage, temperature, output current, speed, etc. |
| Oscilloscope function | | U/V phase output current, given/feedback current, given/feedback speed, given/feedback position an encoder position |
| Malfunction info display | | Over current, over voltage, undervoltage, overload, over temperature and encoder malfunction, etc. |
| communication | | RS232 |
| Display | | LED |
| Compatible loaded inertia | | 5 times less than motor inertia |
| Weight | | 1,34 kg |
| Dimension | | 180mm*85mm*148mm |
| Ambient conditions | Working temperature | 0-40 °C |
| | Storage temperature | -10-70 °C |
| | Humidity | 5%-95% |
| | Protection class | IP 20 |
| | Place requirement | Dry and free from dust |
| | Mounting | Vertical or horizontal |
| | Altitude | Under 1000m |
| | Atmospheric pressure | 86kpa-106kpa |