



ABO-OD1000

General Purpose AC Drives

The ABO-OD1000 series are the drives that cover general purpose applications when they are requiring V/Hz and speed sensor-less vector control.



Versatile & Multifunctional

- Promoted V/Hz
- SVC1
- SVC2
- Multi-step Freq.
- ModBus, CAN, CANopen & ProfiBus
- Detachable Control Panel
- I/O options
- Frequency Binding
- Parameter Copy & Backup
- Flying Start
- Precise autotune
- Parameter Displayed & Hidden
- Master & Auxiliary command & switchover
- PID
- FDT
- S-curve
- Simple PLC
- Wobble Frequency Control
- Fixed Length Control
- Droop Control
- Skip Frequency
- Count Function
- Preeminent Field-weakening Control
- V/Hz Separated Control
- Common DC Bus
- Over Excitation Brake
- Mechanical Brake
- Restart Upon Power Loss
- Cycle-By-Cycle Current Limit
- Motor Thermal Protection
- Stall Protections

Start Torque @0.5Hz

180%

Overload Capability

200%

Speed accuracy \pm

0.2%

Ambient Temp $^{\circ}\text{C}$

50

Speed Fluctuation \pm

0.3%

Torque Response ms

10

TERMINAL

Analog Input **x2**

Analog Output **x1**

Relay Output **x1**

Digital Input **x6**

Digital Output **x1**

Communication Port^{*1} **x1**

*1 RS485/ModBus ONLY 4800/9600/19200/38400/57600/115200bps

Maximum distance - 500m

DIMENSIONS

Unit, mm

4T 2.2G / 3.7L

4T 3.7G / 5.5L

WxHxD : 92x190x162



4T 5.5G / 7.5L

4T 7.5G / 11L

WxHxD : 120x245x180



4T 11G / 15L

4T 15G / 18.5L

WxHxD : 145x280x190



4T 18.5G / 22L

4T 22G / 30L

WxHxD : 145x280x190



4T 45G / 55L

4T 55G / 75L

WxHxD : 300x455x240



4T 30G / 37L

4T 37G / 45L

WxHxD : 255x405x205



DIMENSIONS

Unit, mm

4T 75G / 90L

4T 90G / 110L

WxHxD : 330x530x270



4T 110G / 132L

WxHxD : 395x705x285



4T 132G / 160L

4T 160G / 185L

WxHxD : 440x800x330

