Product offered - Highlights

Frenic Multi Series Variable Frequency Drives –

High Performance Multi use Drives

PRODUCT HIGHLIGHTS

- Starting torque 200%
- Bipolar speed reference (+10V to -10V)
- Hit and stop control with inclusion of brake signal
- Torque and current limit modes of operation
- Equipped with a full range of PID functions
- Winding control with PID using dancer roller feedback
- Positioning control with PG option card
- Pick and place logic
- Last 4 faults recorded, with status of inverter at the event of fault.
- Main circuit capacitor, PCB capacitor and Fan designed for 10 year life

Frenic Mini Series Variable Frequency Drives

Great performance in compact package

0.1kW - 3.7kW

PRODUCT HIGHLIGHTS

- Frequency setting resolution of 0.01Hz
- Overload capacity of 200% for 0.5sec
- Programmable V/F curve
- Built-in braking chopper circuit above 0.4kW
- Automatic Energy saving function
- PID control functions for direct control of Fan and pump system
- Inverter maintenance information is displayed
- Last 4 faults recorded, with status of inverter at the event of fault
- RS485 communication card (optional) can be installed internally

Frenic Mega Series Variable Frequency Drives

Maximum Engineering for Global Advantage

0.75kW - 710kW

PRODUCT HIGHLIGHTS

- Overload capacity of 200% at 0.3Hz for 3sec
- PG vector control, Dynamic torque vector control, Sensorless vector control
- Torque control with +3% accuracy
- 9 Digital Input, 6 digital output, 3 Analog Input, 2 Analog Output
- 4 motor control parameter set
- Equipped with full function PID for process application
- Winding control PID
- Servo Lock function for zero position control
- User defined programmable logic (PLC function)
- Standard Keypad with USB port, for PC connection
- 3 option card can be connected – 3 communication
- Communication option cards for Profibus-DP, DeviceNet, CC-Link, CANBus, Ethernet
- The design life of components 10 years
- Last 4 faults recorded, with status of inverter at the event of fault.

Frenic ECO Series Variable Frequency Drives

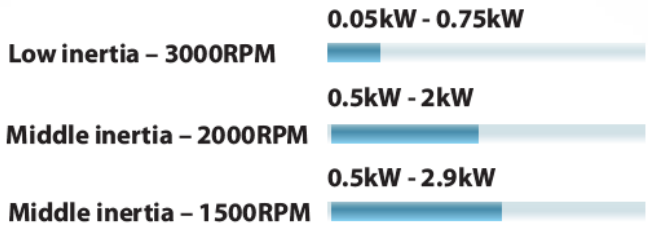
0.75kW - 560kW

PRODUCT HIGHLIGHTS

- A new control system that minimizes the power consumed by the drive itself (drive loss) as well as the power loss in the motor.
- Equipped with full function PID
- Optimum functions for HVAC
- Pump dry run protection
- Broken fan belt detection
- Universal I/Os, freely configurable to be used with PLC / BMS / PC
- Display can be configured for various physical parameters like flow rate, pressure, temperature
- Power monitoring. Power (kW), Cumulative Power (kWh), Cumulative power rates (Rs./kWh)
- Information related to equipment maintenance is displayed
- Multiple pump and fan sequencing software in-built
- NEMA1 Enclosure
- Communication cards for Lonworks, Profibus, Modbus Plus, CC Link, N2, Backnet
- The design life of components – 10 years

Faldic W Series AC Servo

Simple and Smart

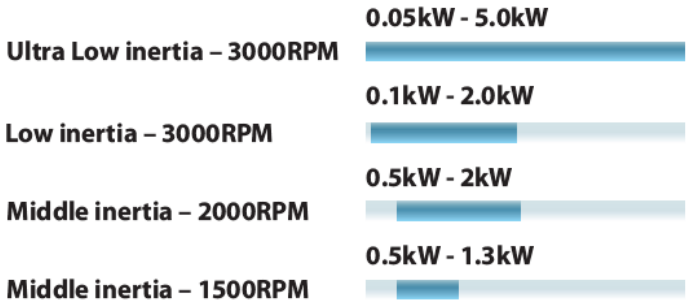


PRODUCT HIGHLIGHTS

- Vibration Suppression Control for Pendulum type loads
- Easy Tuning – No expert programmer required. With Load Tunning for better performance
- Monitor O/P function – Two analog output are provided (0-10V)
- Simple Synchronization between multiple servo w/o PLC
- 15 bit Simulated Encoder output (diff. 5V A, B, Z pulse) for better CNC controls
- Operation Monitor on keypad, all modes – Positioning, Torque, Speed
- 5 digital input, 4 digital output
- 3 modes of operation - Speed, Torque, Positioning modes and combination of this modes
- Operating parameters on keypad, for speed, position, torque ……
- Side – By – Side installation
- 17 Bit Encoder – incremental
- Test operation function – Jog function – for wiring and mounting check
- Wide Range – 0.05kW to 2.9kW, Low inertia and Middle inertia
- RS485 port connection with simple LAN cable
- Two RS485 Port – For multiple Servo programming and monitoring
- IP67 Motor
- Preventive maintenance - Last 9 fault history recorded

Faldic Alpha5 AC Servo

Next Generation Servo System for ever evolving machines



PRODUCT HIGHLIGHTS

- Positioning with 3 type of Controls – Modbus, 15Point Table, Pulse command
- Indexer Type servo
- 15 point Table for positioning via DI/DO
- Ultra Low Inertia motor – Max 6000RPM
- 20 bit Incremental Encoder or 18 bit Incremental / Absolute Encoder
- Homing by Hit – to Stop
- Max 6000 RPM motors for speed control
- Interrupt function for positioning
- USB port for PC interface
- On the Fly Cutting with SPH controller
- Rotary Cutter Function Block is SPH for Alpha 5 Servo
- Linear & Circular Interpolation with SPH FB
- Modbus RTU communication
- Life Alarm for Preventive Maintenance, Capacitor, Battery, Fan
- Last 20 Fault Alarm, with detailed status of servo at the time of Fault
- Main circuit capacitor, PCB capacitor and Fan
- designed for 10year life