

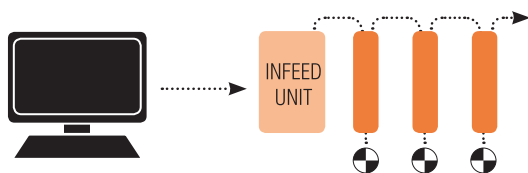
AC SERVO DRIVE

AMD5X MULTI-AXIS SERVO SYSTEM

Efficient, high performance motion control

AT A GLANCE

- ▶ High efficiency control for rotary and linear motors
- ▶ Very low current sensing noise
- ▶ Industry leading EtherCAT® fieldbus
- ▶ 12A, 20A, 35A and 55A output options available
- ▶ Encoder monitoring and protection
- ▶ High bandwidth encoder channels and current sensing



Run high bandwidth, high current multi-axis systems with **EtherCAT®**



SIMPLE AND EASY

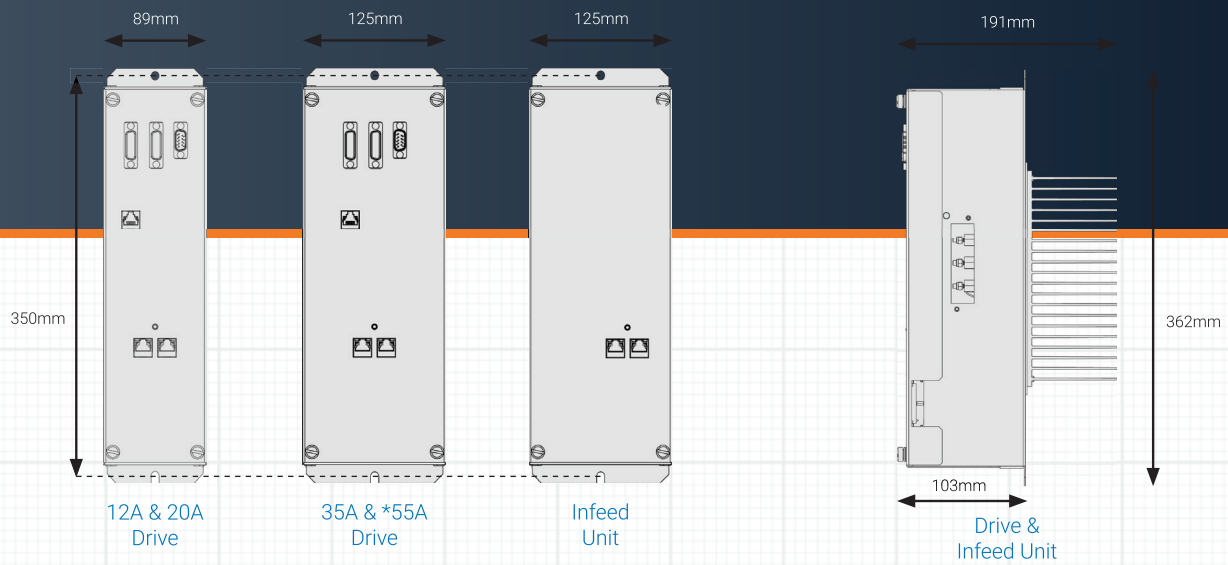
ANCA MotionBench configuration software guides you through system setup in clear and concise steps.

HIGH PERFORMANCE

Large encoder bandwidth and ultra low current sensing noise produce excellent operating characteristics.

OPTIMISE YOUR SYSTEM

Customise detailed drive configuration and tuning parameters for unique applications.



DRIVE CURRENT

- 12ARMS, 20ARMS, 35ARMS or 55ARMS continuous output options

ENCODER CHANNELS

- 2x incremental analogue 1Vpp Sin-Cos
- 600KHz usable bandwidth
- 5VDC supply

DC BUS

- 600VDC
- Powered by AMD5x Infeed Unit
- Bussed system for improved efficiency

DRIVE CONTROL

- 24VDC control input
- 0.5A nominal input

COMMUNICATION

- 100Mbps
- EtherCAT® fieldbus
- SoE IEC 61800-7-204 profile
- Ethernet RJ-45

PEAK CURRENT

- 200% of nominal

MOTOR INTERFACE

- Fully isolated motor temperature sensing
- Brake control

HIGH SPEED INPUTS

- 2x Probes
- Filtered 24V output
- Event trigger
- Tachometer

ENCODER MONITORING

- RJ-45 connection
- Motor speed monitoring
- External safety monitoring

CONTROL

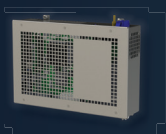
- Linear and rotational motors
- Position, velocity and torque control
- Thermal and over-current protection
- Ultra low current sensing noise

SPECIAL FEATURES

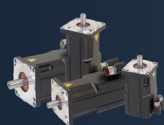
- Field upgradeable firmware
- MotionBench configuration software
- Efficiency higher than 98%



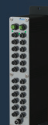
*55A Drive Coming Soon



CNC



MOTORS



IO DEVICES



USER INTERFACES



SOFTWARE



SERVO DRIVES

ANCA
motion

Motion Control Solutions

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