

OPTIONS

- Adjustable limit switch Reed sensors
- Linear position transducer, analogue 0-10 volt, 4-20 ma, digital SSI-Profibus-CANBus-DeviceNet-EtherCAT-Ethernet/IP-Powerlink-Profinet-IO-Link
- Pressure transducers
- Load control balancing valves
- Heat exchanger
- Integrated board on the cylinder for position control in closed loop, 0-10 Volt 4-20 ma analogue inputs, CANBus digital
- Available without motor for assembly of electric motor + inverter by the customer
- Cylinder connections ISO 6020-2 DIN24554, rod connections ISO8133-6982 DIN24555-24338
- Special connections upon request

Bore [mm]	Rod diameter [mm]	Maximum working pressure [bar]	Maximum push force [kN]	Maximum pull force [kN]	Maximum push speed [mm/s]	Maximum pull speed [mm/s]
25	12	160	7,704	5,929	608,8	791,3
	18	160	7,704	3,71	608,8	1264,1
32	14	160	12,623	10,207	371	458,2
	16	160	12,623	9,467	371	494,7
	22	160	12,623	6,656	371	703,6
40	18	160	19,724	15,73	237,5	298,3
	28	160	19,724	10,059	237,5	465,4
50	22	160	30,819	24,852	151,9	188,4
	36	160	30,819	14,842	151,9	315,3
63	28	160	48,928	39,263	95,7	119,2
	45	160	48,928	23,964	95,7	195,3
80	36	160	78,896	62,92	59,3	74,4
	56	160	78,896	40,237	59,3	116,4
100	45	160	123,276	98,312	37,9	47,63
	70	160	123,276	62,87	37,9	74,4
125	56	160	192,618	153,959	24,3	30,4
	90	160	192,618	92,765	24,3	50,4



the evolution of cylinders



HIGH BENEFITS ON THE ENVIRONMENTAL IMPACT

www.evoc3.it



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Inclusion of the strong points of electric and hydraulic cylinders
Elimination of pipes and fittings and external hydraulic power units
Substantial energy saving and high specific power
The combination of technology and innovation
It can be interfaced with current 4.0 protocols

IT CAN BE INTERFACED WITH CURRENT 4.0 PROTOCOLS



BASIC VERSIONS

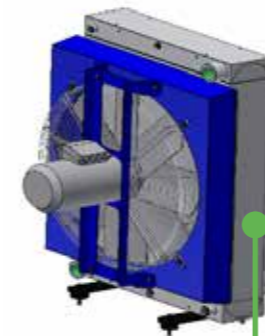
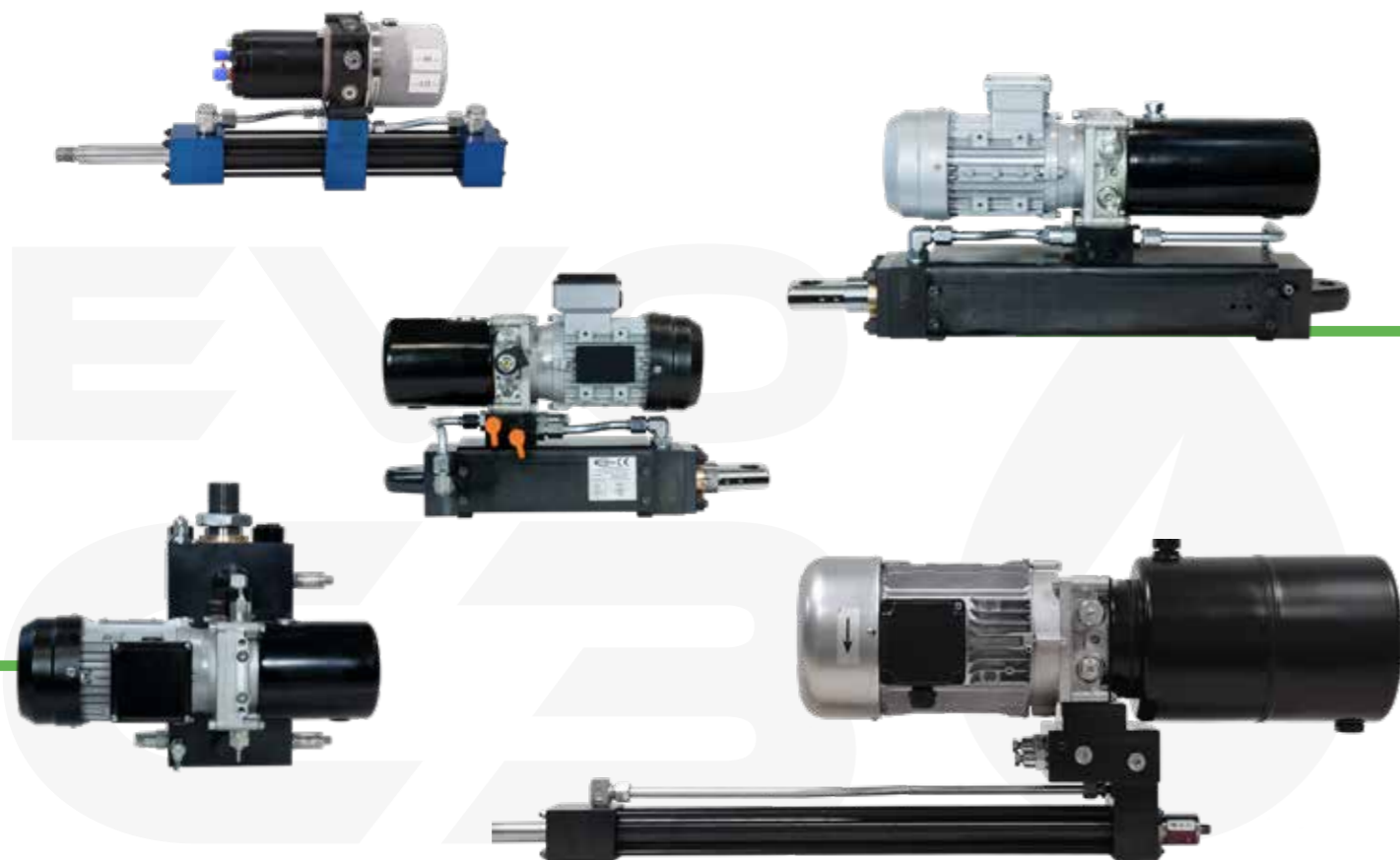
- AC 1 x 200÷230Vac / 3 x 200÷230Vac, 0.4 ÷ 5 kW motors
- DC 150-4000 W 12-24 DC motors

HIGH PERFORMANCE VERSIONS WITH INVERTER

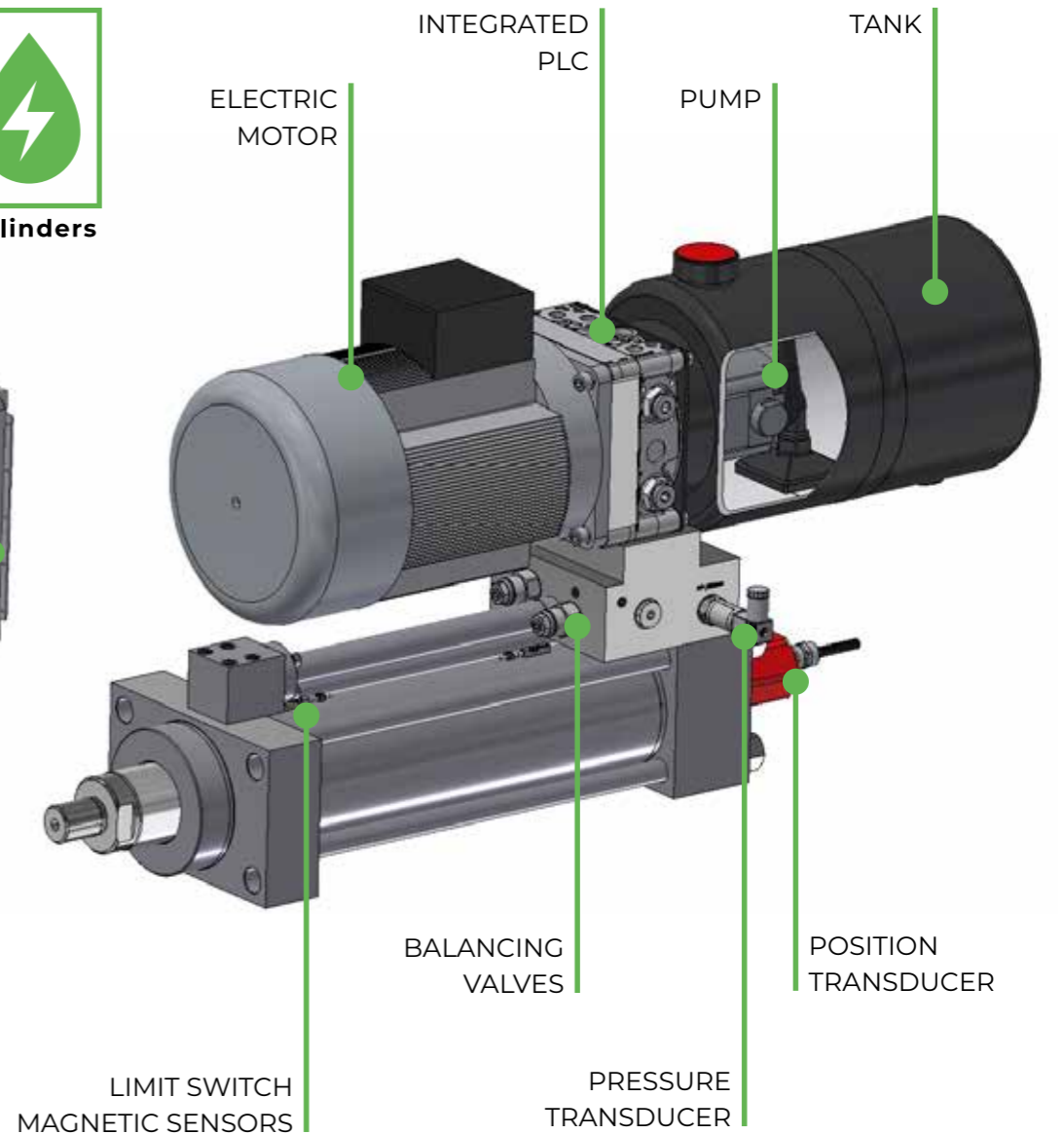
- 0-10 Vdc 4-20 mA analogue input
- Optional Field Bus: Profibus DP, CANopen, TCP/IP bus mode, Ethernet IP, EtherCAT, ProfiNET

PERFORMANCE

- Thrust forces up to 125 kN and pulling forces up to 100 kN (Bores from 25 to 100 mm)
- Speed up to 300 mm/sec (For 25 mm bore)
- Strokes up to 6000 mm
- Full customization



HEAT EXCHANGER



LIMIT SWITCH
MAGNETIC SENSORS

BALANCING
VALVES

PRESSURE
TRANSDUCER

POSITION
TRANSDUCER

ELECTRIC
MOTOR

INTEGRATED
PLC

PUMP

TANK

GENERAL STRUCTURE

EVOCB3 is a new electro-hydraulic actuator consisting of a hydraulic cylinder, a pump, an electric motor, a tank and several possible optionals.

The combination of these components creates a single product that can be easily integrated into machines.

It is managed like a normal electrical axis with the advantage of having a much higher specific power. With this system the hydraulic power units and the relative pipes are eliminated, thus reducing assembly times and potential leaks.

The advantages and reliability of the hydraulic cylinders are maintained in a single solution which, combined with the simplicity of the electric actuators, guarantee a longer life.

In this way we obtain a simple, reliable, innovative and easy to install product.

