

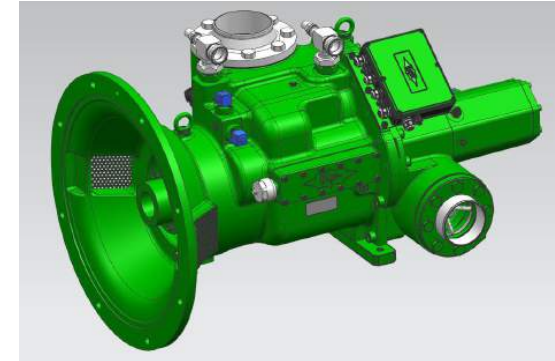
# Highlights OS.A95103

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## / **New Generation**

of BITZER Screw Compressor Technology

- **Optimised Slider Concept** for efficient, continuously capacity control
- **Automatic  $V_i$  - Adaption** for maximum energy efficiency
- **Electronic Module CM-SW-01** for simple monitoring, control and communication to the parent plant control



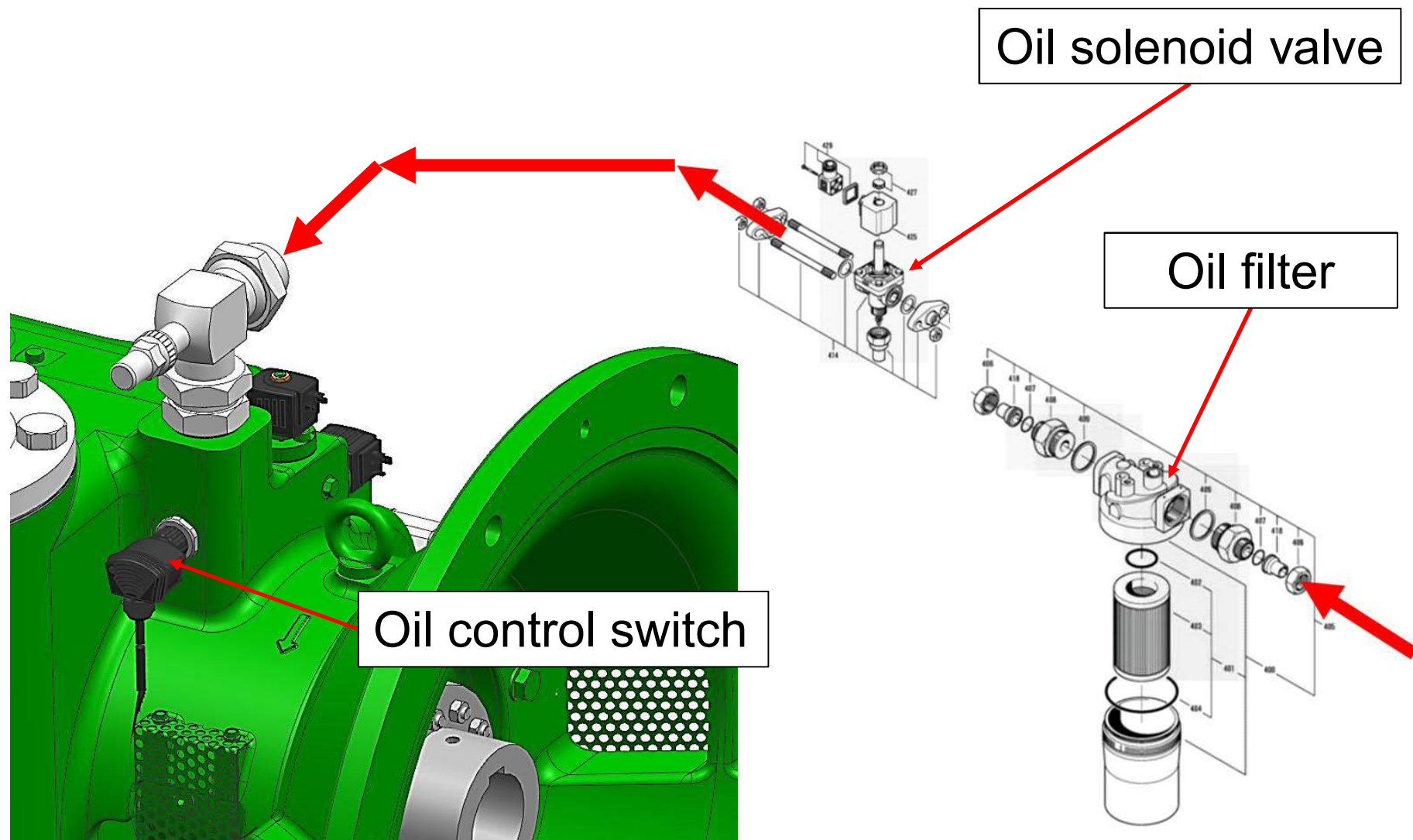
/ **Suitable for Speed Control** (1500 – 4000 min<sup>-1</sup>)

/ Extension of the Application Limits to **higher condensing temperatures** ( $t_c = 60^\circ\text{C}$ )

/ **OSKA95:**

Universal Compressor for the entire application limit!

# Oil Management



# Electronic Module CM-SW-01

## / Internal protection of the compressor

- Power supply 115 230 V, 50 60 Hz

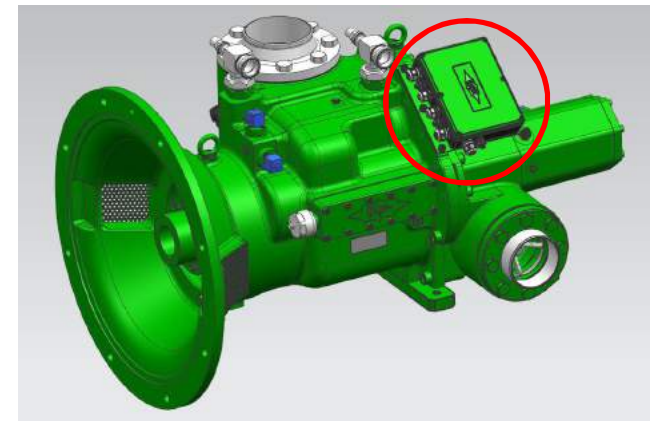
- Inputs

- ⇒ Run signal
- ⇒ Pressure transducer suction side
- ⇒ Pressure transducer discharge side
- ⇒ DGT sensor (PT1000)
- ⇒ Oil sensor
- ⇒ Serial port for SPI
- ⇒ 0 10 V capacity



## / Communication

- Modbus
- Bluetooth

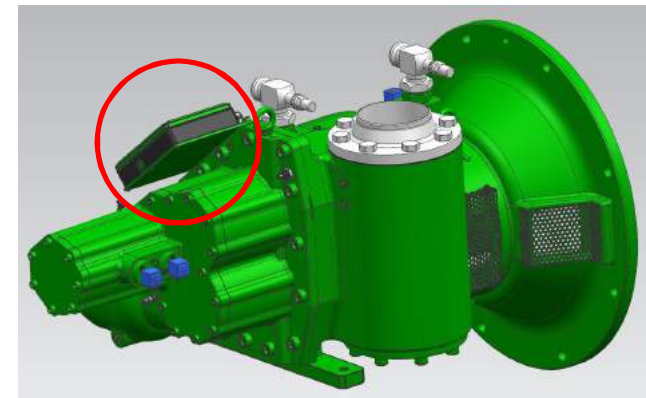


# Electronic Module CM-SW-01

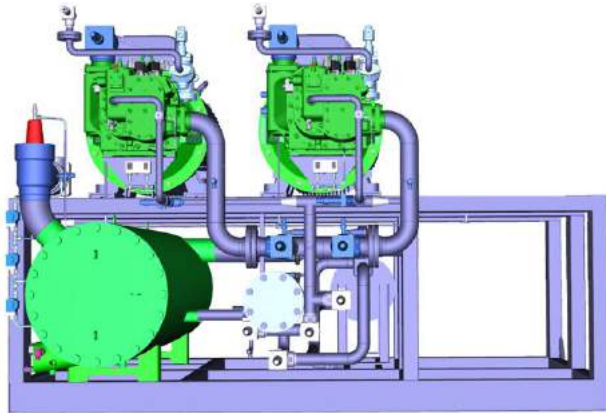
## / Internal protection of the compressor

- Outputs

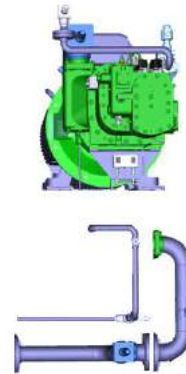
- ⇒ Fault signal
- ⇒ Starter contactor Y/Δ (if required by customer)
- ⇒ Oil injection solenoid valve
- ⇒ ECO solenoid valve
- ⇒ Solenoid valve capacity slider +
- ⇒ Solenoid valve capacity slider -
- ⇒ Solenoid valve Vi slider +
- ⇒ Solenoid valve Vi slider -



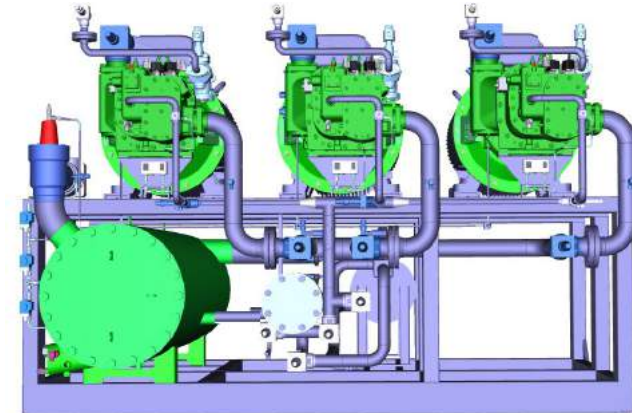
# Advantage – Easy Extension



For future capacity extension start with 2 compressor pack on 3 compressor frame



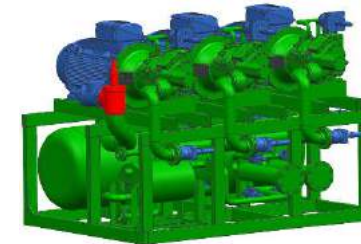
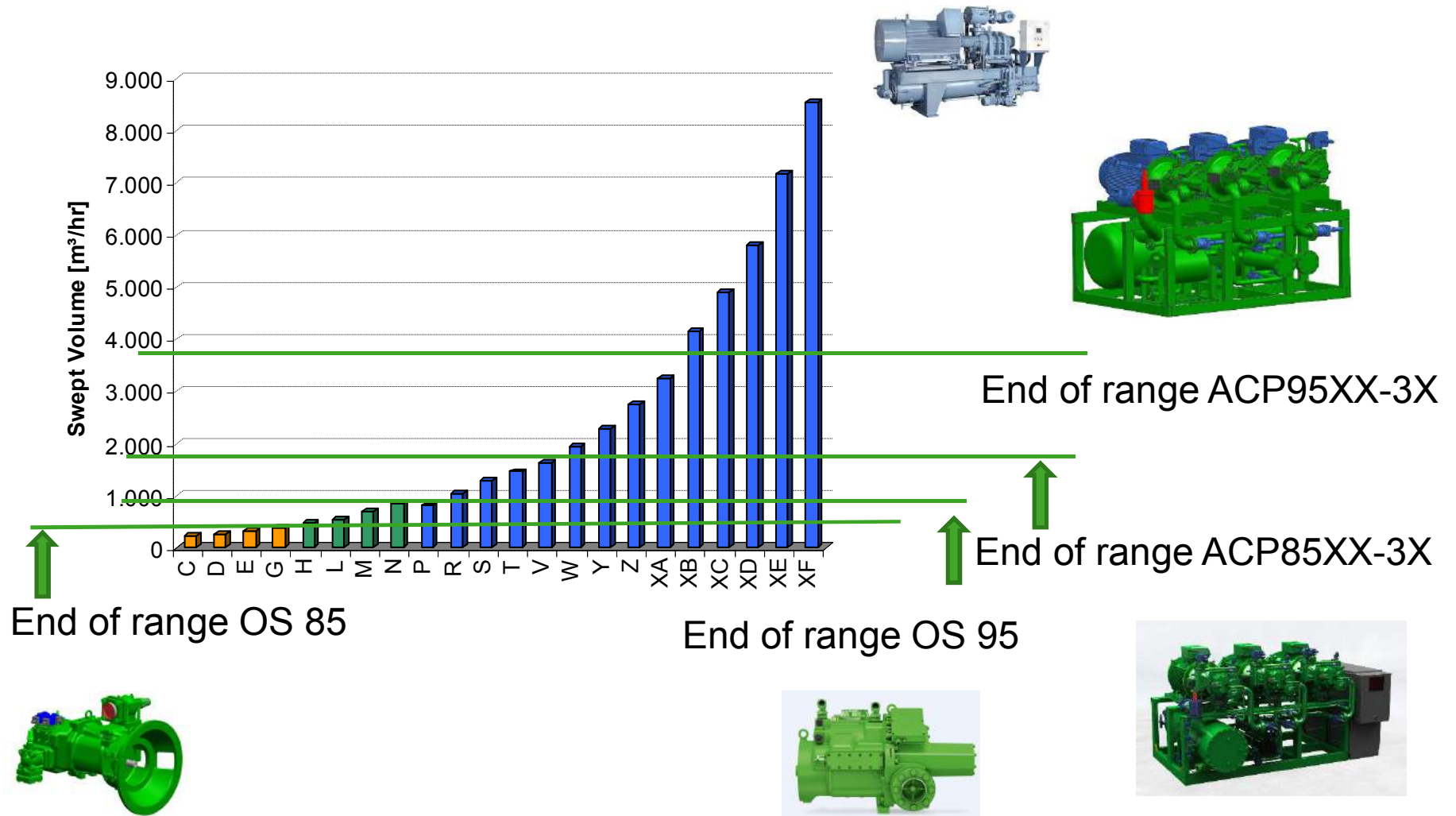
Extension set with compressor, motor, pipesets and controller wiring



Capacity increase by 50%

By using flanges easy and quick work

# Competitiv- Range



## Summary

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- / BITZER ACP is state-of-the-art industrial refrigeration technology
- / BITZER ACP is supplied to selected Industrial contractors
- / BITZER ACP is globally available and supported
- / BITZER ACP is global uniform design produced in 3-4 factories
- / BITZER ACP is unrivalled in terms of system redundancy, partload efficiency, lead time and short commissioning time.

**BITZER is not a contracting company**