

Cobalt Pro



Air cooled modular screw chiller & heat pump 296÷1983 kW



Bullet points

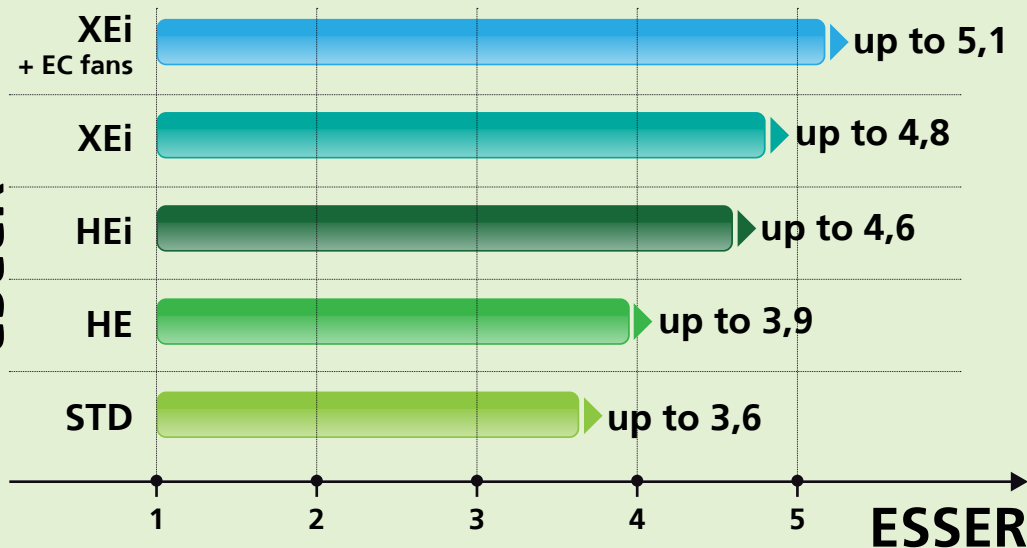
- ▶ Full inverter and hybrid versions available
- ▶ Up to 2 MW cooling and heating capacity
- ▶ High seasonal efficiency
- ▶ Eurovent A Class Unit
- ▶ Multilogic function
- ▶ Integrated web server
- ▶ Microchannel condensing coil
- ▶ Low refrigerant charge
- ▶ Wide operating limits
- ▶ Integrated hydraulic modules also with a buffer tank.
- ▶ Three types of pumps: standard, oversize and for high percentages of glycol (e.g. up to 50%).



Image based on Cobalt Pro XEi (full inverter compressors)

EFFICIENCY

ESEER



VERSIONS

EER

STD	av 2,8	
HE	≥ 3,1	A CLASS
SLN	av 3,0	
HEi	≥ 3,1	A CLASS
XEi	≥ 3,0	A CLASS

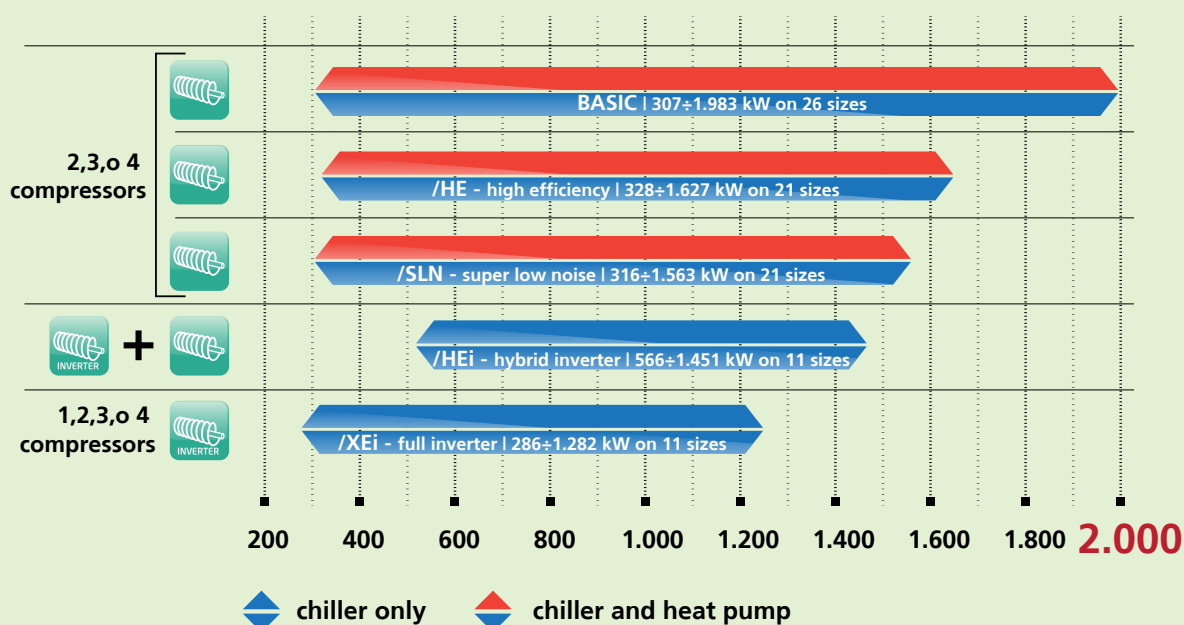
EER Values conform to EN 14511-3:2011

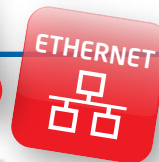
Cobalt Pro series is available with a host of options and configurations to meet most designers requirements.

**HYBRID
INVERTER VERSION**
inverter screw + stepless screw compressor

**FULL
INVERTER VERSION**
all inverter screw compressors

WIDE CAPACITY RANGE



**SMART
CONTROL****MASTER-SLAVE**

the higher efficiency at part load grants the maximim benefit in redundancy applications

**ADVANCED
CONTROL
FUNCTIONS**

- Unit management by integrated web page ◀
- Data logging of all units parameters one month long ◀
- User friendly interface based on visual icons ◀
- RS485 and Ethernet ports as standard ◀

MULTILOGIC FUNCTION

- Up to 32 units (1 Master e 31 Slave) connected to the same hydronic circuit ◀
- Management of units with different logics and priority levels ◀

**INVERTER
SCREW
COMPRESSOR**

Inverter compressor is

up to 38%

more efficient than
stepless compressor

Min part load
operation
up to 6%
(4 compressors unit)

**EC AXIAL
FANS**

EC axial fans with electronically commutated brushless motor as option.

15%

energy saving per fan

3.000*

€/y saving

(*unit with 12 fans; operating 8700 hours/year; 0,10€/kW)

**MICROCHANNEL
ALUMINIUM COIL**

Cobalt Pro units use this new generation of condensing coil on chiller section as standard.



This means:

- Extended life cycle
- 30% less refrigerant
- 10% overall chiller weight reduction
- less air side pressure drop

**NIGHT
SHIFT
SYSTEM**

The unit can operate in high efficiency mode or super low noise mode according to day time setting.

Cobalt Pro HE* ↔ Cobalt Pro SLN

up to 6 dB(A)
of sound power reduction

*Cobalt Pro HE must be configured as Cobalt Pro SLN

Hallen am Borsigturm
Berlin - Germany
Air cooled screw chiller
Supply -> 450 kW

