

# Air Cooled Chiller

## EuroScroll 20-35 Air CO

 20-33 kW
  Plate
  HFC 410A

 Air cooled
  Scroll

### Technical feature

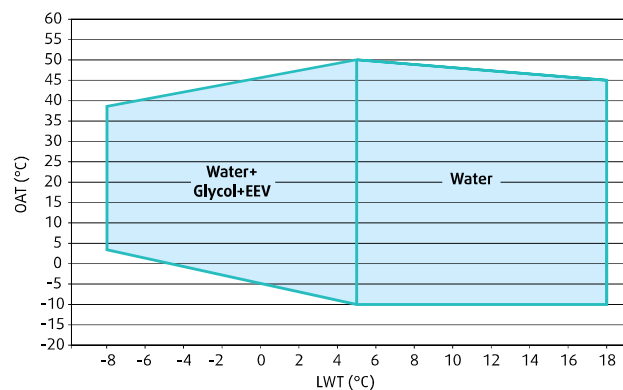
- 4 sizes
- Cooling capacity from 20,8 to 33,7 kW
- One refrigerant circuit
- One scroll compressor
- New control
- Operating low water content in the plant
- Pump as standard

### Accessories and options

- Automatic circuit breaker (standard)
- Buffer tank placed under unit
- Coil grilles
- Coils treatment
- Desuperheater
- Electronic expansion valve
- Fan speed control (standard)
- Mechanical gauges
- Power factor corrector capacitors
- Sequence phases control (standard)
- Softstart
- Water differential pressure switch (standard)
- Water filter (standard)
- Water flow switch



EuroScroll 20-35 Air CO - Cooling Operation



Operating limit (to be confirmed following selection software issue)

EuroScroll 20-35 Air CO		20	25	30	35
		Min - Max			
Leaving water temperature*	°C	from -8 to +18			
Δ T water	K	3 - 7			
Air temperature	°C	Refer to below graphich			

\* Below 5°C, glycol and electronic expansion valve is required.

Chillers suitable for operation without buffer tank for water content greater than 4 liters of water per kW of cooling capacity.

## Technical feature

EuroScroll 20-35 Air CO		20	25	30	35
Cooling capacity <sup>1</sup>	kW	20,8	24,4	28,2	33,7
Power input <sup>1</sup>	kW	6,67	7,41	8,97	11,5
EER 100% <sup>1</sup>		3,12	3,29	3,14	2,93
Energy Efficiency Class		A	A	A	B
ESEER		3,56	3,77	3,70	3,44
Part load steps	%	0-100			
Power supply	V/Ph/Hz	400/3+N/50			
Startup type		Direct			
<b>Refrigerant</b>					
Type		HFC 410A			
Number of refrigerant circuits		1			
<b>Compressor</b>					
Qty		1			
Type		Scroll			
Crankcase heater	W	70	90	90	90
<b>Internal heat exchanger</b>					
Qty		1			
Type		Plate exchanger AISI 316			
Water flow	l/s	0,97	1,14	1,32	1,59
Available Static Pressure	kPa	169	152	144	114
Antifreeze heater	W	35	35	35	35
<b>Connection type</b>					
Connection type		Male gas threaded			
Inlet/outlet diameter	inch	1"1/4			
Water drain connection	inch	Ø"			
<b>Fan</b>					
Qty		2			
Type		Axial			
Air flow	m <sup>3</sup> /h	10.957	10.425	10.425	9.919
Power input	kW	0,54	0,54	0,54	0,55
<b>Pump</b>					
Qty		1			
Power input	kW	0,57	0,60	0,63	0,65
<b>Weight</b>					
Shipping	kg	254	285	289	304
Operating	kg	248	279	283	298
<b>Dimensions</b>					
Lenght	mm	1.477	1.477	1.477	1.477
Width	mm	539	539	539	539
Height	mm	1.615	1.615	1.615	1.615
<b>Acoustical data</b>					
Sound power level <sup>3</sup>	dB(A)	73	74	74	75
Sound pressure level at 10 m <sup>4</sup>	dB(A)	41	42	42	43

<sup>1</sup> Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard.

<sup>3</sup> Sound levels are at fully loaded conditions. Sound power level values refers to ISO 3744 standard.

<sup>4</sup> Sound pressure levels refer to ISO 3744 standard, parallelepiped shape.