



## Key features:

- Sustainable components of European brands
- High performance operation related to energy consumption
- Low sound level
- Environmental friendly refrigerants with low GWP
- Advanced microprocessor controller
- New generation screw and oil free centrifugal compressors
- V shape Microchannel condensers for maximum performance
- Inverter pump with integrated hydraulic system
- Shell and tube flooded evaporator or plate exchangers
- Powder coated galvanised steel construction with stainless steel rivets
- Very low refrigerant charge to limit environmental impact

Due to the European ECODesign directive and the search of maximum flexibility, the new range of **MaxiAir** chiller is designed for a lower environmental impact. MaxiAir's next-generation refrigerants operate through high-efficiency and low global warming potential (GWP).

MaxiAir chillers are available in cooling capacities from 532 – 1634 kW (151-460 RT).

Depending on the required application, the MaxiAir is designed for commercial, hospitals, datacenters, petrochemical/gas industry and marine. Our products are built with premium European grade materials for a maximum reliability.

### Unique design philosophy for a sustainable green environment

With 65 years of experience, Horos takes the responsibility to reduce the carbon emissions by next-generation, low global warming potential (GWP) refrigerants and high-efficiency operation.

### Efficiency

Using screw compressors with or without inverters and oil free centrifugal compressors in combination with microchannel condensers and EC fans, the MaxiAir reach a much higher efficiency. The centrifugal compressors with no lubricating oil entrainment, high capacities and compact design, frequency controlled capacity regulation with a remarkable precision on the adjustment of the discharge temperature, slight inrush current and maximum efficiency achieves remarkable ESEER values.

### Intelligence

The powerful microprocessors control the performance of the chiller and is designed to maximise the efficiency and performance with high reliability. It optimizes the capacity control with partial load and fan speed. The controller is able to communicate with most BMS for monitoring its performance.

### Acoustic performance

The best acoustic performances have been achieved by innovations on fan blade technologies and noiseless compressor designs. Horos uses the best market acoustic performance fans, this is because of the latest generation of Aerofoil section with sickle-shaped blades, associated with acoustic compressor enclosure.

## MAXIAIR AIR-COOLED LIQUID CHILLERS FOR OUTSIDE OPERATION

Cooling	Type	522	592	782	892	1042	1162	1184	1544
Capacity (1)	kW	533	601	800	912	1069	1187	1246	1635
Absorbed power	kW	212	248	306	366	408	468	496	612
EER		2,5	2,4	2,6	2,5	2,6	2,5	2,5	2,7
ESEER (2)		3,1	3,1	3,1	3,1	3,1	3,1	3,1	3,1
<b>Cooling circuit</b>									
Number of circuits	Nr	2	2	2	2	2	2	4	4
Number of compressors	Nr	4	4	4	4	5	5	4	4
Capacity steps	Nr	6	6	6	6	6	5	12	12
Modulating		0 - 12 ÷ 100						0 - 6 ÷ 100	
<b>Dimensions</b>									
Length	mm	4850	4850	6350	7850	9350	9350	9350	12350
Wide	mm	2300	2300	2300	2300	2300	2300	2300	2300
Height	mm	2700	2700	2700	2700	2700	2700	2700	2700
Transport weight	kg	5020	5070	6868	7632	8442	8589	9830	13343
Sound pressure level	dB(A)	85	85	87	88	89	89	89	90
Electrical data	V / Ph / Hz	400 / 3 / 50 + N + A							
Maximum absorbed current	A	470	530	710	803	916	976	1.060	1.421

(1) Water 12°C / 7°C, ambient 35°C *please note 1kW = 0,284 RT*

(2) ESEER regarding EN14511 Eurovent calculation method

(3) At 1m free field condition (ISO 3746)

Maximum operating temperature 50°C

### Options

- Integrated hydraulic system
- Modulating capacity steps
- Oil free centrifugal compressor
- Low noise
- Anti vibration dampers
- On demand setpoint adjustment
- Stainless steel application
- Evaporator anti freeze heater
- Anti corrosion coil treatment
- Electronic expansion valve
- Electronic starter and phase controller

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