



OMEGA SKY XEi FUTURE 2021 TIER 2 PROOF ECODESIGN COMPLIANT

High efficiency water-source chillers.
Inverter-driven screw compressor. Shell & tube heat exchangers.
10 sizes. 3 refrigerant options. Optimized for cooling.

 LGWS ▶ R1234ze

 SGWS ▶ R513A
(R134 on request)

Configurations

LN: low noise
XLN: super low noise (SGWS only)
DC: total heat recovery
OH: non-reversible heat pump
HPW: reversible heat pump (water side)

OPTIMAL PART LOAD EFFICIENCY

External inverter.
Variable compression ratio.

BLUETHINK CONTROL

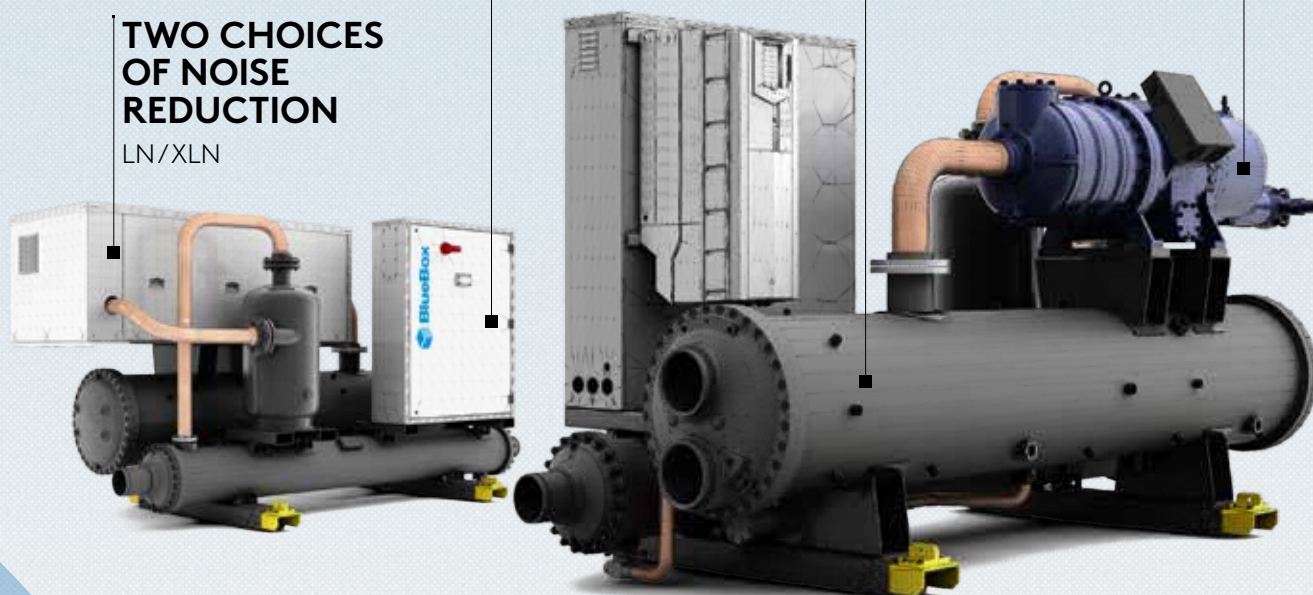
Integrated webserver.
Multilogic function.
Blueye remote supervision.

TWO CHOICES OF NOISE REDUCTION

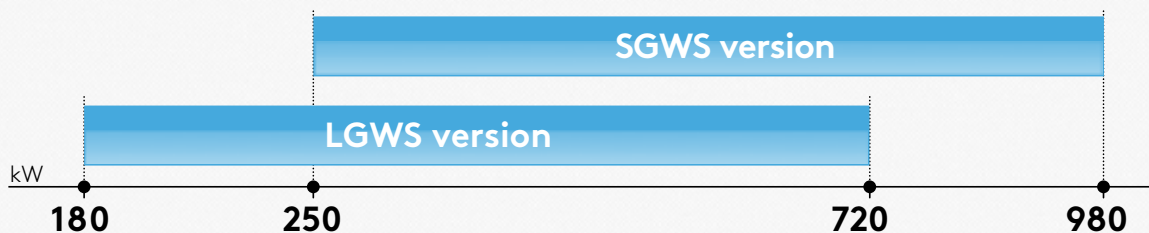
LN/XLN

LOW REFRIGERANT CHARGE.

Spray technology
evaporator.

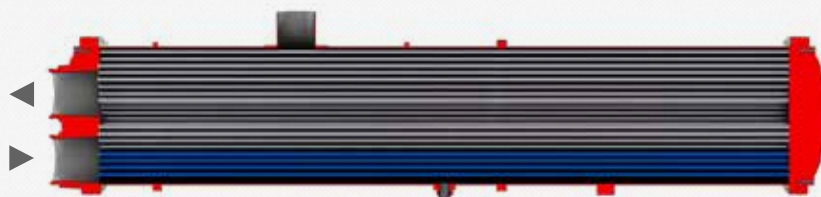


CAPACITY RANGE



Preliminary data. Net values according to EN14511. Condition: source W30/35, user W12/7.

LOW REFRIGERANT CHARGE



Flooded zone: 15/20%

Spray zone: 80/85%

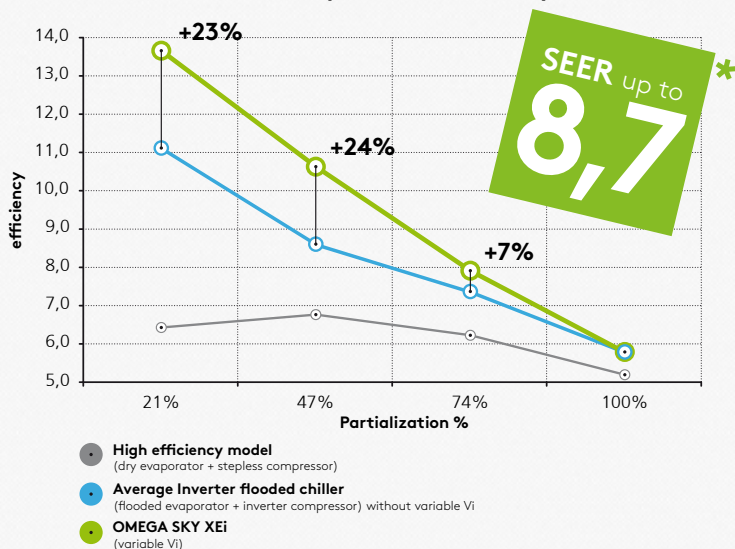
Same efficiency, compared to conventional flooded evaporator, **-40% of refrigerant charge.**

HIGH EFFICIENCY AT PART LOAD

Combined benefit of:

- **Inverter** ► part-load operation
- **Variable Vi compressor** ► effective especially at low condensing temperatures
- **Vi** ► suction volume / discharge volume ratio
- **Vi** ► is automatically adapted according to operating conditions, enhancing the efficiency

Benefit of variable Vi, part-load efficiency values (SEER)



Partialization % associated to different conditions as per SEER calculation (reference: Regulation 2016/2281).

(*)According to Regulation 2016/2281 and norm EN 14825. SEER / nsc reference: LT / low temperature condition, user-side temperature 12/7°C.

XLN

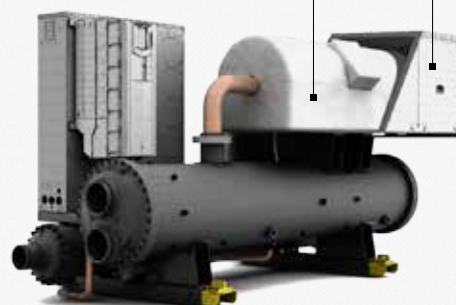
Super Low Noise version

-8 dB(A)

compared to basic version

Compressor compartment panels with 60 mm insulation

Compressor jacket three layers, 70 mm thick



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A Swegon Group company

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