

Unit Description

Water Cooled indoor chillers and heat pumps with scroll compressors from 43 to 371kW.

ICS through their Climaveneta brand introduces the NECS-W range of chillers and heat pumps with scroll compressors, plate exchangers and R-410A., with both one-circuit two compressors and two-circuit four compressors, focused on maximum efficiency and minimum noise emission.

THE RANGE

NECS-W cooling only standard unit

NECS-WH Hydraulic circuit reversible heat pump unit (plus possible water-side reversal)

NECS-WN Refrigerant circuit reversible heat pump unit

All models are available as low noise versions.



Unit Features

- COMPLETE VERSATILITY**
 NECS-W units are designed to fully satisfy any application need throughout a complete range of models, hydronic configurations and accessories. NECS is available in chiller mode (chilled water production), heat pump for hot water production (plus possible water side reversal) NECS-WH and finally heat pump with “refrigerant side reversal” NECS-WN (chilled/hot water production).
- KIT PUMPS AVAILABLE ON HOT/COLD SIDE**
 The new NECS-W units can be equipped with evaporator and / or condenser hydronic kits. The kit incorporates the main hydraulic components thus optimising hydraulic and electrical installation space, time and costs.

 Moreover NECS-W can be provided with INVERTER pumps on the condenser side. This device enables the condensing pressure control, through the variable speed pump, reducing pump energy consumption.
- ELEVATED EFFICIENCY AT PART LOADS**
 NECS-W units have been designed with the goal of guaranteeing high efficiency also at part load. The result achieved in the new single-circuit dual-compressor is an ESEER up to 6.01, equivalent to a 33% saving in seasonal energy consumption compared to traditional R-407C double-circuit unit.

Unit Benefits

- The technological choices aimed to provide the maximum overall quality and the use of the most innovative technologies make NECS-W a unit able to ensure maximum energy efficiency, easy installation thanks to its compact size, versatility and settings for integration in the Idrorelax centralised hydronic system (www.idrorelax.it).
- REVERSIBLE HEAT PUMPS**
 All NECS-W are available as NECS-WN heat pump model. Making a comparison between NECS-WN and a traditional “water side reversal” heat pump, reductions in installation spaces and an easier water connection layout are achieved. It means saving in installation costs and time.
 - CONDENSING PRESSURE CONTROL DEVICE**
 NECS-W electronic control can manage the best suitable condensing pressure control device for every applications: pressostatic valve, 2 or 3 way modulating valve and inverter on the condenser pumps.

 NECS-W can be selected to work with: dry-cooler, cooling tower, geothermal probes; cooling water from open loop can be used as well (es. Waterworks, draw-well, ground water).

Equipment designed to ISO-9001 and all relevant directives. Product improvement is a continual process at ICS Industrial Cooling and we reserve the right to change the design and specifications without notice or obligation. Availability is subject to change without notice. Contact your local ICS Industrial Cooling depot for availability. © 2009 ICS Industrial Cooling. All rights reserved.