

# Product overview

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2022

**New air  
for the future.**



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**Air is inseparably linked to our well-being:** we say we wish for a change of air when we are looking for something new, we go out for a breath of fresh air to clear our minds and we take a deep breath each time we are about to make an important decision.

**We at Rhoss are experts, and since 1968, we have been committed to bringing new, air-conditioned, regenerated and clean air to public and private spaces in order to increase the perception of being in place that is welcoming, enjoyable to stay and good to live in.**

We do so by designing air conditioning and treatment systems that always put people's needs first through a conscious approach, which identifies **comfort as the virtuous combination of research, technology, quality and energy efficiency.**



**NIBE** GROUP MEMBER

## NIBE

In 2019, we became part of the **NIBE Group**, historic player in the high-end eco-friendly Climate Solutions sector. Born in Sweden, a country at the forefront of environmental and social sustainability issues, NIBE is recognized around the world for its attention to the **reduction of gas emissions and a better use of energy**, in addition to its forward-looking value code, which over time has generated a strong business culture and a sense of belonging for its more than 15,000 employees. Including us.

Becoming part of this international group has given us **new energy to grow in research and development and technology**, renewing our enthusiasm and commitment for the challenges of tomorrow. Because yes, **our future is in the air.**







A woman with blonde hair in a ponytail, wearing a white long-sleeved shirt, is sitting on a large, moss-covered log in a forest. She is looking out over a forest scene that is partially obscured by a large, semi-transparent blue circular overlay. The text "Climate comfort, everywhere." is written in white, bold, sans-serif font in the upper left corner. A solid red circle is visible on the left side of the image.

**Climate  
comfort,  
everywhere.**

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With this perspective, our solutions - chillers, heat pumps, multi-purpose systems, fan coils and air handling units - fully meet the requirements of the most modern Green Buildings, which have now become the international standard and essential for those operating in our sector.

**We design systems** for air conditioning and air treatment, always focusing on people's needs and well-being without compromising on the **sustainability** and **energy efficiency** of the systems.

Ranging from residential to commercial, we have developed a greater know-how in the **creation of complete and customisable systems for the Hospitality, Hospital & Medical, Schools and Office Building sectors:** buildings designed to accommodate people, workers or technologies, where it is essential to ensure performance and reliability both in the design stage and the one following installation.



# Product range

## CHILLERS & HEAT PUMPS

Units with **hermetic rotary DC inverter compressors technology** for residential application

from 5 to 16 kW



Units with **scroll compressors**  
Units with **scroll inverter technology**

from 18 to 920 kW



Units with **stepless screw compressors**  
Units with **screw inverter technology**

from 200 to 1700 kW



Units with **centrifugal Turbocor compressors**

from 267 to 1100 kW





## EXP SYSTEM

from 5 to 700 kW

Based on **multi-purpose system** to satisfy cold and hot water demands simultaneously or independently with a single unit



## CONDENSING UNITS

from 16 to 163 kW

Units with **scroll compressors** dedicated to split type installations



## FAN COILS

from 55 to 3900 m<sup>3</sup>/h



## TERMINAL UNITS & HEAT RECOVERY UNITS

from 150 to 16500 m<sup>3</sup>/h

Ductable air handling terminal unit and fresh air terminal units with heat recovery.



## AIR HANDLING UNITS, DEHUMIDIFIERS

from 800 to 104970 m<sup>3</sup>/h

### Modular and Custom

Air Handling Units for civil, commercial and industrial uses. Dehumidifiers for indoor pools.



Features	Webcode	Type of refrigerant	Cooling only	Heat pump	Inverter	Compressor	Cooling capacity (kW)	Heating capacity (kW)	RANGE							
									0 ÷ 17,5 kW	17,5 ÷ 100 kW	101 ÷ 350 kW	351 ÷ 500 kW	501 ÷ 700 kW	701 ÷ 900 kW	901 ÷ 1200 kW	> 1201 kW



## CHILLERS - HEAT PUMPS

### AIR-COOLED - AXIAL FANS

Electa-ECO		EE001	R32				4÷13 kW	6÷15,5 kW								
Electa-ECOS-B		EESB1	R32				3,2÷6,5 kW	4÷9,5 kW								
Electa-ECOS.2-B		EESB2	R32				11,3÷11,6 kW	14,5÷16,1 kW								
Electa-ECOS-T		EEST1	R32				3,1÷6,5 kW	4÷9,5 kW								Capacity DHW: 185 l
Electa-SAN Plus Electa-SAN		ESW02 ESW01	R134a													DHW capacity: 200-300 L
MidiPACK-I		CYI02	R410A				18,8÷29,3 kW	20÷30,4 kW								
MidiPACK-I ECO		MDI12	R32				29,5÷55,2 kW	32,4÷58,8 kW								
MidiPACK-I		CYI12	R410A				37,4÷62,6 kW	40,2÷71 kW								
EasyPACK-I		EAI01	R410A				67,1÷130,4 kW	71,2÷134,6 kW								
Compact-Y NF Plus		CYP11	R410A				15,5÷26,6 kW	16,6÷30,4 kW								
Compact-Y SM		CY031	R410A				22,7÷29 kW	23,5÷34 kW								
Compact-Y MD		CY011	R410A				32,3÷64,6 kW	37,8÷68,3 kW								
POKER		PK001	R410A				28,8÷115,2 kW	33,8÷135,2 kW								
EasyPACK ECO		EAS02	R32				69,4÷153,7 kW	75,2÷152,3 kW								
EasyPACK		EAS01	R410A				63,7÷144,4 kW	70,3÷151,7 kW								
WinPACK ECO		WKE12	R32				147,7÷356,6 kW	159,3÷347,4 kW								
WinPACK HE-A		WKE11	R410A				91,6÷345 kW	110,5÷357 kW								
WinPACK SE		WK011	R410A				97,6÷328,6 kW	109,5÷354,6 kW								
WinPACK-R HE-A		WKE21	R410A				221,4÷372 kW									
WinPACK-R SE		WK021	R410A				214,2÷345,7 kW									
Y-Pack FREECOOLING		YKF11	R410A				170÷361 kW									

### Key



Rotary compressor












Screw compressor



Scroll compressor
















































Centrifugal compressor












Features	 	Webcode	Type of refrigerant 	Cooling only 	Heat pump 	Inverter 	Compressor 	Cooling capacity (kW) 	Heating capacity (kW) 	RANGE							
										0 ÷ 17,5 kW	17,5 ÷ 100 kW	101 ÷ 350 kW	351 ÷ 500 kW	501 ÷ 700 kW	701 ÷ 900 kW	901 ÷ 1200 kW	> 1201 kW

## CHILLERS - HEAT PUMPS





























### AIR-COOLED - AXIAL FANS

WinPOWER ECO 		WPE05 WPE15	R454B					349,7÷910,5 kW	368,3÷654,5 kW								
WinPOWER HE-A		WPE11	R410A					354,2÷916,8 kW	383,3÷698,9 kW								
WinPOWER SE		WP011	R410A					359,8÷861,8 kW									
FullPOWER EVO VFD 		FPV33 FPV31	R134a					550,4÷1504,1 kW									
FullPOWER EVO VFD (1+i) 		FPV43 FPV41	R134a					548,4÷1510,1kW									
FullPOWER EVO 		FPE23 FP023 FPE21 FP021	R134a					336,6÷1564,1 kW									
Z-Power FREECOOLING		ZPF01	R134a					469÷1216 kW									
TurboPOWER ECO		TP014	R1234 ze					323,2÷948,6 kW									
TurboPOWER		TP011	R134a					267÷1101 kW									













### AIR-COOLED - CENTRIFUGAL FANS

Compact-ID		CID01	R410A					16,4÷27,5 kW	17,7÷28,5 kW								
Y-Pack C-PF		YKC11	R410A					32,3÷160,2 kW	37,7÷175,6 kW								

### WATER-COOLED

Comby-Flow		CF001	R410A					5,3÷11,9 kW	6,6÷13,7 kW								
Y-Flow		YF051	R410A					15,5÷41,7 kW	17,4÷45,1 kW								
Y-Flow		YF021 YF031	R410A					41,2÷373,9 kW	50,2÷464,4 kW								
FullFLOW ECO VFD (1+i)		FFE04	R1234 ze					285,6÷1217,2 kW									
FullFLOW VFD (1+i)		FFE03	R513A					389,5÷1701,1 kW									
FullFLOW DX		FFD03	R513A					201,7÷1455,2kW									

### CONDENSERLESS UNITS

Y-Flow E		YFC41	R410A					13,7÷36,9 kW									
Y-Flow E		YFC21 YFC31	R410A					39,8÷320,9 kW									
Z-Flow E		ZFC01	R134a					171,9÷1424,8 kW									



Features	Webcode	Type of refrigerant	Cooling only	EXP system	Inverter	Compressor	Cooling capacity (kW)	Heating capacity (kW)	RANGE							
									0 ÷ 17,5 kW	17,5 ÷ 100 kW	101 ÷ 350 kW	351 ÷ 500 kW	501 ÷ 700 kW	701 ÷ 900 kW	901 ÷ 1200 kW	> 1201 kW



## EXP - Multi-purpose systems

### AIR-COOLED - AXIAL FANS

EasyPACK-I EXP		EAX01	R410A	•	•		64,4÷125,9 kW	71÷133,2 kW								
Compact-Y EXP MD		CYX21	R410A	•			33,8÷61,6 kW	39,4÷68,3 kW								
EasyPACK ECO EXP <small>NEW</small>		EAX05	R454B	•			67,2÷133,8 kW	71÷136,9 kW								
WinPACK ECO EXP		WKX15	R454B	•			135,7÷333,6 kW	44,3÷351,4 kW								
WinPACK EXP		WKX11	R410A	•			137,7÷339,6 kW	150,3÷372,4 kW								
WinPOWER ECO EXP		WPX05	R454B	•			352,7÷641,5 kW	363,3÷645,5 kW								
WinPOWER EXP		WPX01	R410A	•			379,1÷654,8 kW	420,9÷706,2 kW								

### WATER-COOLED - CONDENSERLESS UNITS

Comby-Flow EXP		CFX01	R410A	•			5,5÷12,2 kW	6,4÷13,7 kW								
Y-Flow EXP		YFX21 YFX31	R410A	•			44,2÷397,1 kW	49,3÷459,3 kW								

## Condensing units

MCAEBY 115÷130		CUY01	R410A	•			16,4÷31,5 kW									
MCAEBY 233÷2160		CUY11	R410A	•			34,5÷162,6 kW									

## System accessories

### REMOTE CONDENSERS

CCAMY 115÷2185		CRYA1 CRYA2	R410A													
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### PUMPING AND TANK UNITS

AS 0300÷2500		GPA01														
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### BOILERS FOR DOMESTIC HOT WATER

KACS		ACCBL														Capacity DHW: 200-300-500 L
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### THERMAL FLYWHEEL

KSI		ACCSB														Capacity: 25-50-100-200 L
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## Legenda

Rotary compressor	Screw compressor	Scroll compressor	Centrifugal compressor
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Features	Webcode	Type of refrigerant	Cooling only	Heat pump	Inverter	Compressor	Cooling capacity (kW)	Heating capacity (kW)	RANGE							
									0 ÷ 5 Kw	6 ÷ 10 Kw	11 ÷ 15 Kw	16 ÷ 20 Kw	21 ÷ 25 Kw	26 ÷ 30 Kw	31 ÷ 35 Kw	> 36 Kw



## Fan coils

### FLOOR, CEILING, RECESSED WALL OR FALSE CEILING INSTALLATION

<b>BRIO-I SLIM</b>		BRIS1			•		1÷4 kW	1,4÷5,5 kW								
<b>COVER for BRIO-I SLIM</b>		BRIS1					1÷4 kW	1,1÷4,6 kW								
<b>YARDY-I EV3</b>		YARI3			•		1,9÷8,4 kW	2,5÷11,8 kW								
<b>YARDY EV3</b>		YARV3					1÷8,3 kW	1,4÷11,7 kW								
<b>COVER for YARDY</b>		YARV3 YARI3			•		1,8÷4,8 kW	2,3÷5,8 kW								

### DUCTED INSTALLATION

<b>YARDY-ID2</b>		YAI2			•		3÷6,3 kW	3,9÷8,7 kW								
<b>YARDY-DUCT2</b>		YADC2					1,9÷5,7 kW	2,4÷7,2 kW								
<b>YARDY-HP</b>		YAHP1					7÷19,8 kW	9,9÷29,6 kW								

### FALSE CEILING BOXES



<b>DIVA-I</b>		DIV1			•		2,7÷10,7 kW	3,4÷12,7 kW								
<b>DIVA-XLI DIVA-XLI SWING</b>		DIX1 DIXS1			•		12,6÷15,1 kW	13,4÷16,4 kW								
<b>DIVA</b>		DIVA1					1,9÷10,9 kW	2,6÷14 kW								

### WALL MOUNTING INSTALLATION







<b>IDROWALL-I</b>		IDRO2			•		2,2÷4,3 kW	2,4÷5,1 kW								
<b>IDROWALL-I/V3</b> <small>NEW</small>		IDRO1														

### CONTROLS FOR FAN COILS




<b>SLIM-Touch</b>		ACREG														
<b>LIT-Touch</b>		ACREG														
<b>Standard controls</b>		ACREG														

Features	Webcode	Type of refrigerant	Cooling only	Heat pump	Inverter	Compressor	Cooling capacity (kW)	Heating capacity (kW)	RANGE						
 															

## Terminal units and heat recovery units

TERMINAL UNITS															
UTNA Platinum		UTAP1						6,4÷70 kW	4,9÷78 kW						
HEAT RECOVERY UNITS															
UTNR-A Platinum		UTNR3												Air flow rate: 400÷4.700 m³/h	
UTNR-HE Platinum		UTHE3												Air flow rate: 310÷4.250 m³/h	
UTNR-HP		UTHP1	R410A											Air flow rate: 350÷4.500 m³/h	
Electa-REK		ERK01	R410A											Air flow rate: 200 - 300 - 150/450 m³/h	
VMC-E		VMC01												Air flow rate: 250÷1.300 m³/h	
CONTROLS FOR TERMINAL UNITS															
Full CONTROLS		VMC01													

## Air Handling Units

MODULAR AIR HANDLING UNITS															
ADV Next Air 01-16		NA001												Air flow rate: 800÷41.000 m³/h	
CUSTOM AIR HANDLING UNITS															
ADV Custom 240÷22920		CTCT												Air flow rate: 850÷104.970 m³/h	
POOL DEHUMIDIFIERS															
Dry-Pool		DP001 DOM01												Dehumidification capacity: 8-140 l/h	



		Webcode
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## Management, control and monitoring systems

<b>SYS-TO</b> System Touch Manager & Web APP	Integrated system management	SUVIS
<b>MTM</b> Multi Technology Manager	Chiller management software	MTM01
<b>SIR</b> Rhoss Integrated Sequencer	Chiller management software	SIR01
<b>RHOSS MONITORING: Mobile - Cloud - Real time</b>	Remote monitoring	MON01
<b>RHOSS WEB SERVER</b>	Control and monitoring via ETHERNET	WBS01

## Tools

<b>UP TO DATE - Product selection software</b>	
<b>Dry pool - Product selection software</b>	
<b>CTA ADV CUSTOM E NEXT AIR - Product selection software</b>	

## Rhoss Solutions

INDOOR AIR QUALITY SOLUTIONS		
<b>Air Suite</b>		AIRST
<b>Ponente 1000</b> 		
VARIABLE FLOW RATE SYSTEMS SOLUTIONS		
<b>VPF</b> Variable Primary Flow		



# New air for the future.

## **RHOSS S.P.A.**

Via Oltre Ferrovia, 32  
33033 Codroipo (UD) - Italy  
tel. +39 0432 911611  
rhoss@rhoss.com

## **Italy Sales Departments**

Via Oltre Ferrovia, 32  
33033 Codroipo (UD)  
tel. +39 0432 911611

Via Venezia, 2 - p. 2  
20834 Nova Milanese (MB)  
tel. +39 039 6898394

## **RHOSS France**

Bat. Cap Ouest - 19 Chemin de la Plaine  
69390 Vourles - France  
tel. +33 (0)4 81 65 14 06  
rhossfr@rhoss.com

## **RHOSS Deutschland GmbH**

Hölzlestraße 23, D  
72336 Balingen, OT Engstlatt - Germany  
tel. +49 (0)7433 260270  
rhossde@rhoss.com

## **RHOSS Iberica Climatizacion, S.L.**

Frederic Mompou, 3 - Pta. 6ª Dpcho. B 1  
08960 Sant Just Desvern - Barcelona  
tel. +34 691 498 827  
rhossiberica@rhossiberica.com

**rhoss.com**



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