

Product overview

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**New air
for the future.**



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.**



**Climate
comfort,
everywhere.**



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

from 5 to 16 kW

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



from 18 to 920 kW

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



from 200 to 1700 kW

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



from 267 to 1100 kW

Units with **centrifugal oil-free compressors**



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 m³/h



TERMINAL UNITS & HEAT RECOVERY UNITS

from 150 to 16500 m³/h

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



AIR HANDLING UNITS, DEHUMIDIFIERS

from 800 to 104970 m³/h

Modular and Custom

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



CHILLERS - HEAT PUMPS

AIR-COOLED - AXIAL FANS




CHILLERS - HEAT PUMPS

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		

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		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

Y-Flow EXP 	YFX21	R410A			44,2÷397,1 kW	49,3÷459,3 kW	
	YFX31						

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

[illegible]

BOILERS FOR DOMESTIC HOT WATER

[illegible]

THERMAL FLYWHEEL

[illegible]

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

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

DUCTED INSTALLATION

YARDY-ID2		YAI2				3÷6,3 kW	3,9÷8,7 kW								
YARDY-DUCT2		YADC2				1,9÷5,7 kW	2,4÷7,2 kW								
YARDY-HP		YAH1				7÷19,8 kW	9,9÷29,6 kW								

FALSE CEILING BOXES

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

WALL MOUNTING INSTALLATION

IDROWALL-I NEW		IDR02				2,2÷4,3 kW	2,4÷5,1 kW								
IDROWALL-I/V3		IDR01													

CONTROLS FOR FAN COILS

SLIM-Touch		ACREG													
LIT-Touch		ACREG													
Standard controls		ACREG													

Key

Rotary compressor	Screw compressor	Scroll compressor	Centrifugal compressor
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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	R410A						Dehumidification capacity: 8-140 l/h

	Webcode
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Management, control and monitoring systems

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

Tools

UP TO DATE - Product selection software	
Dry pool - Product selection software	
CTA ADV CUSTOM E NEXT AIR - Product selection software	

Rhoss Solutions

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



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RHOSS S.P.A.

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

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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