

Product overview

EN

**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.

Here at **Rhoss**, we know it well. Since 1968 we have been committed to bringing perfectly **air-conditioned, heated, regenerated and clean air into public spaces, as well as private ones** 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 20,000 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.**

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, heating 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 30 kW



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

from 18 to 1300 kW



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

from 200 to 2000 kW



Units with **centrifugal oil-free compressors**

from 267 to 1100 kW



EXP SYSTEM

from 33 to 1300 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 & TERMINALS

from 55 to 3900 m³/h



AIR HANDLING TERMINALS & 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 105000 m³/h

Modular and Custom


























































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



Product overview








Features										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-B-IN		EES1 EESB1	R32					3,1÷6,5 kW	4÷9,5 kW		DHW capacity: 150 l +150l						
Electa-ECOS-T		EEST1	R32					3,1÷6,5 kW	4÷9,5 kW		Capacity DHW: 185 l						
Electa-SAN Plus		ESW02	R134a								DHW capacity: 200-300 L						
ElectaMAXI-ECO		EEM01	R32					17÷29,5 kW	18÷30 kW								
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								
POKER-PI		PKI07	R290					41,8÷166,3 kW	47,5÷190,9 kW								
EasyPACK-I ECO		EAI02	R32					67÷127,7 kW	70,3÷127,3 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 CY021	R410A					32,3÷64,6 kW	37,8÷68,3 kW								
POKER-P		PK017	R290					44,8÷178,3 kW	47,4÷190,5 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 EAS11	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									
WinPOWER ECO		WPE05 WPE15	R454B					349,7÷910,5 kW	368,3÷802,5 kW								
WinPOWER ECO TWIN		WPE25	R454B					859,3÷1309,2 kW	868,7÷1308,8 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									

Features



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

FullPOWER ECO VFD FullPOWER ECOA1 VFD		FPV34 FPV36	R1234 ze R515B	•	•		312,6÷1401,2 kW								
FullPOWER ECO VFD (1+) FullPOWER ECOA1 VFD (1+)		FPV44 FPV46	R1234 ze R515B	•	•		377,7÷1380,2 kW								
FullPOWER EVO VFD		FPV33 FPV31	R134a R513A	•	•		550,4÷1864,1 kW								
FullPOWER EVO VFD (1+)		FPV43 FPV41	R134a R513A	•	•		548,4÷1839,1 kW								
FullPOWER ECO FullPOWER ECOA1		FPE24 FP024 FPE26 FP026	R1234 ze R515B	•			314,7÷1550,1 kW								
FullPOWER EVO		FPE23 FP023 FPE21 FP021	R134a R513A	•			336,6÷1953,1 kW								
TurboPOWER ECO		TP014	R1234 ze	•			323,2÷948,6 kW								
TurboPOWER		TP011	R134a	•			267÷1101 kW								

FREECOOLING - AIR-COOLED - AXIAL FANS

Y-Pack FREECOOLING		YKF11	R410A	•			170÷361 kW								
Z-Power FREECOOLING		ZPF01	R134a	•			469÷1216 kW								

FREECOOLING MODULES

FREECOOLING Modules		FCM01		•			56,8÷1.343,8 kW								
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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

Y-Flow		YF051	R410A	•	•			15,5÷41,7 kW	17,4÷45,1 kW						
EasyFLOW ECO EasyFLOW		EF005 EF001	R454B R410A	•	•			45÷197,4 kW	53,2÷231,6 kW						
EasyFLOW ECO HT EasyFLOW ECOA1 HT		EF004 EF006	R1234 ze R515B		•			60,1÷192,5 kW	68÷219,6 kW						
WinFLOW ECO WinFLOW		WF005 WF001	R454B R410A	•	•			180,2÷396,9 kW	205,4÷455,7 kW						
FLOW BOOSTER EVO		FLB03	R513A						40,3÷140,4 kW						
FullFLOW ECO VFD (1+)		FFE04	R1234 ze	•	•			285,6÷1217,2 kW							
FullFLOW VFD (1+)		FFE03	R513A	•	•			389,5÷1701,1 kW							
FullFLOW DX		FFD03	R513A	•				201,7÷1455,2 kW							

Product overview

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



CHILLERS - HEAT PUMPS

CONDENSERLESS UNITS																
Y-Flow E		YFC41	R410A	•			13,7÷36,9 kW									
EasyFLOW ECO E EasyFLOW E		EFC05 EFC01	R454B R410A	•			38,6÷170,5 kW									
WinFLOW ECO E WinFLOW E		WFC05 WFC01	R454B R410A	•			166,5÷360,2 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	144,3÷351,4 kW								
WinPACK EXP		WKX11	R410A	•			137,7÷339,6 kW	150,3÷372,4 kW								
WinPOWER ECO EXP		WPX05	R454B	•			352,7÷816,5 kW	363,3÷791,5 kW								
WinPOWER ECO EXP TWIN		WPX25	R454B	•			841,3÷1283,2 kW	858,7÷1290,8 kW								
WATER-COOLED																
EasyFLOW ECO EXP EasyFLOW EXP		EFX05 EFX01	R454B R410A	•			44,9÷186,6 kW	53,1÷221,5 kW								
WinFLOW ECO EXP WinFLOW EXP		WFX05 WFX01	R454B R410A	•			180÷373,8 kW	200,1÷435,7 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

BOILERS FOR DOMESTIC HOT WATER																
KACS		ACCBL														Capacity DHW: 200-300-500 L
THERMAL FLYWHEEL																
KSI		ACCSB														Capacity: 25-50-100-200 L

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		YAHPI				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		DIVA1				1,9÷10,9 kW	2,6÷14 kW								

WALL MOUNTING INSTALLATION

IDROWALL-I		IDRO2				2,2÷4,3 kW	2,4÷5,1 kW								
IDROWALL-I/V3		IDRO1													










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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Product overview

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

Air handling terminal units and heat recovery units

AIR HANDLING TERMINAL UNITS															
UTNA Platinum		UTAP1					6,4÷70 kW	4,9÷78 kW							
HEAT RECOVERY UNITS															
UTNR-T FRESH 		UTFR1													Air flow rate: 400÷3.300 m³/h
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 <small>NEW</small> 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
Photocatalytic filter	
VARIABLE FLOW RATE SYSTEMS SOLUTIONS	
VPF Variable Primary Flow	

Key

 Rotary compressor	 Screw compressor	 Scroll compressor	 Centrifugal compressor
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New air for the future.

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