

Product Overview

EN

An aerial view of Earth from space, showing a large blue circle in the center and a smaller red circle on the left side. The background is a vast expanse of blue sky with wispy white clouds. The text "New air for the future." is written in white, bold, sans-serif font in the upper left quadrant.

**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

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.



**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

from 5 to 30 kW

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



from 18 to 1300 kW

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



from 200 to 2000 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 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

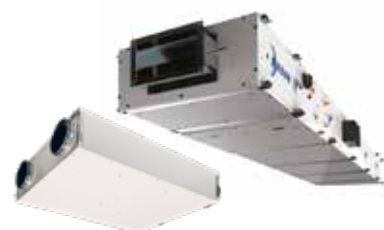
from 55 to 3900 m³/h



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.



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



CHILLERS - HEAT PUMPS

AIR-COOLED - AXIAL FANS										
	EE001	R32	•	•	☉	4÷13 kW	6÷15,5 kW			
	EESB1	R32	•	•	☉	3,2÷6,5 kW	4÷9,5 kW			
	EESB2	R32	•	•	☉	11,3÷11,6 kW	14,5÷16,1 kW			
	EES1 EESB1	R32	•	•	☉	3,1÷6,5 kW	4÷9,5 kW		DHW capacity: 150 l +150l	
	EEST1	R32	•	•	☉	3,1÷6,5 kW	4÷9,5 kW		Capacity DHW: 185 l	
	ESW02	R134a	•		☉				DHW capacity: 200-300 L	
	EEM01	R32	•	•	☉	17÷29,5 kW	18÷30 kW			
	MDI07	R290	•	•	☉	18,7÷28,9 kW	20,8÷34,8 kW			
	CYI02	R410A	•	•	☉	18,8÷29,3 kW	20÷30,4 kW			
	MDI12	R32	•	•	☉	29,5÷55,2 kW	32,4÷58,8 kW			
	CYI12	R410A	•	•	☉	37,4÷62,6 kW	40,2÷71 kW			
	PKI07	R290	•		☉	41,8÷166,3 kW	47,5÷190,9 kW			
	EAI02	R32	•	•	☉	67÷127,7 kW	70,3÷127,3 kW			
	EAI01	R410A	•	•	☉	67,1÷130,4 kW	71,2÷134,6 kW			
	CYP11	R410A	•		☉	15,5÷26,6 kW	16,6÷30,4 kW			
	CY031	R410A	•		☉	22,7÷29 kW	23,5÷34 kW			
	CY011 CY021	R410A	•	•	☉	32,3÷64,6 kW	37,8÷68,3 kW			
	PK017	R290	•	•	☉	44,8÷178,3 kW	47,4÷190,5 kW			
	PK001	R410A	•	•	☉	28,8÷115,2 kW	33,8÷135,2 kW			
	UP007	R290	•	•	☉	47,9÷158,8 kW	50,1÷163,7 kW			
	EAS02	R32	•	•	☉	69,4÷153,7 kW	75,2÷152,3 kW			
	EAS01 EAS11	R410A	•	•	☉	63,7÷144,4 kW	70,3÷151,7 kW			
	WKE12	R32	•	•	☉	147,7÷356,6 kW	159,3÷347,4 kW			
	WKE11	R410A	•	•	☉	91,6÷345 kW	110,5÷357 kW			
	WK011	R410A	•	•	☉	97,6÷328,6 kW	109,5÷354,6 kW			
	WKE21	R410A	•		☉	221,4÷372 kW				
	WK021	R410A	•		☉	214,2÷345,7 kW				
	WPE05 WPE15	R454B	•	•	☉	349,7÷910,5 kW	368,3÷802,5 kW			
	WPE25	R454B	•	•	☉	859,3÷1309,2 kW	868,7÷1308,8 kW			

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

CHILLERS - HEAT PUMPS

AIR-COOLED - AXIAL FANS

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 ECO VFD		FPV34	R1234ze	•					312,6÷1401,2 kW						
FullPOWER ECOA1 VFD		FPV36	R515B	•		•									
FullPOWER ECO VFD (1+i)		FPV44	R1234ze	•			•		377,7÷1380,2 kW						
FullPOWER ECOA1 VFD (1+i)		FPV46	R515B	•		•									
FullPOWER EVO VFD		FPV33	R134a	•			•		550,4÷1864,1 kW						
		FPV31	R513A												
FullPOWER EVO VFD (1+i)		FPV43	R134a	•			•		548,4÷1839,1 kW						
		FPV41	R513A												
FullPOWER ECO		FPE24	R1234ze	•					314,7÷1550,1 kW						
FullPOWER ECOA1		FP024	R515B												
		FPE26													
		FP026													
FullPOWER EVO		FPE23	R134a	•					336,6÷1953,1 kW						
		FP023	R513A												
		FPE21													
		FP021													
TurboPOWER ECO		TP014	R1234ze	•					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		EF005	R454B	•					45÷197,4 kW	53,2÷231,6 kW					
EasyFLOW		EF001	R410A	•	•										
EasyFLOW ECO HT		EF004	R1234ze	•					60,1÷192,5 kW	68÷219,6 kW					
EasyFLOW ECOA1 HT		EF006	R515B		•										
WinFLOW ECO		WF005	R454B	•	•				180,2÷396,9 kW	205,4÷455,7 kW					
WinFLOW		WF001	R410A												
FLOW BOOSTER EVO		FLB03	R513A			☀				40,3÷140,4 kW					
FullFLOW ECO VFD (1+i)		FFE04	R1234ze	•			•		285,6÷1217,2 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		
 																		
WATER-COOLED																		
FullFLOW VFD (1+i)	FFE03	R513A	•		•		389,5+1701,1 kW											
FullFLOW-I BOOSTER ECO FullFLOW-I BOOSTER ECOA1 	FFB04 FFB06	R1234 ze R515B			•			401,4+1000,5 kW										
FullFLOW DX	FFD03	R513A	•				201,7+1455,2kW											
FullFLOW BOOSTER ECO FullFLOW BOOSTER ECOA1 	FFB14 FFB16	R1234 ze R515B			•			336,4+843,1 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										
UniPACK-P EXP 	UPX07	R290	•				47+158,8 kW	491+1611 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	531+221,5 kW										
WinFLOW ECO EXP WinFLOW EXP	WFX05 WFX01	R454B R410A	•				180+373,8 kW	2001+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											

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			

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

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		YAHP1				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 IDROWALL-I/V3		IDR02 IDR01				2,2÷4,3 kW	2,4÷5,1 kW										
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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

Management, control and monitoring systems

SYS-TO 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	
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Key

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

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