

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

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 700 to 105000 m³/h

Modular and Custom

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

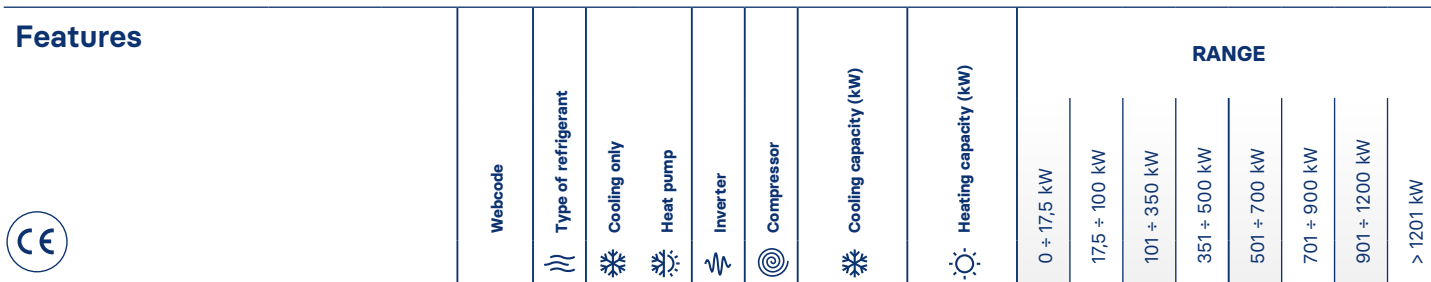


Features	Webcode	Type of refrigerant	Cooling only	Heat pump	Inverter	Compressor	Cooling capacity (kW)	Heating capacity (kW)	RANGE							
									0 ÷ 17,5 kW	17,5 ÷ 100 kW	101 ÷ 350 kW	351 ÷ 500 kW	501 ÷ 700 kW	701 ÷ 900 kW	901 ÷ 1200 kW	> 1201 kW



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-PI NEW		MDI07	R290				18,7÷28,9 kW	20,8÷34,8 kW								
MidiPACK-I		CYI02	R410A				18,8÷29,3 kW	20÷30,4 kW								
MidiPACK-PI NEW		MDI17	R290				34,7÷60,5 kW	38,1÷64,5 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								
UniPACK-PI NEW		UPI07	R290				66,9÷153,9 kW	72,1÷159,2 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								
UniPACK-P		UP007	R290				47,9÷158,8 kW	50,1÷163,7 kW								
EasyPACK ECO		EAS02	R32				69,4÷153,7 kW	75,2÷152,3 kW								
EasyPACK ECO HT65 NEW		EAS25	R454B				66,4÷86,2 kW	77,8÷101,5 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 ECO HT65 NEW		WKE45	R454B				103,6÷175,8 kW	120,7÷197,4 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								



CHILLERS - HEAT PUMPS

AIR-COOLED - AXIAL FANS

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		
WinPOWER SE		WP011	R410A			359,8÷861,8 kW		
FullPOWER ECO VFD		FPV34	R1234 ze			312,6÷1401,2 kW		
FullPOWER ECOA1 VFD		FPV36	R515B					
FullPOWER ECO VFD (1+i)		FPV44	R1234 ze			377,7÷1380,2 kW		
FullPOWER ECOA1 VFD (1+i)		FPV46	R515B					
FullPOWER EVO VFD		FPV33 FPV31	R134a R513A			550,4÷1864,1 kW		
FullPOWER EVO VFD (1+i)		FPV43 FPV41	R134a R513A			548,4÷1839,1 kW		
FullPOWER ECO		FPE24 FP024 FPE26 FP026	R1234 ze R515B			314,7÷1550,1 kW		
FullPOWER ECOA1		FPE23 FP023 FPE21 FP021	R134a R513A			336,6÷1953,1 kW		
FullPOWER EVO								
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		EF005	R454B				45+197,4 kW	53,2+231,6 kW	
EasyFLOW		EF001	R410A						
EasyFLOW ECO HT		EF004	R1234 ze				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	R1234 ze				285,6+1217,2 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		

CHILLERS - HEAT PUMPS

WATER-COOLED

FullFLOW VFD (1+i)		FFE03	R513A	●	●		389,5+1701,1 kW		
FullFLOW-I BOOSTER ECO		FFB04	R1234 ze		●			401,4+1000,5 kW	
FullFLOW-I BOOSTER ECOA1		FFB06	R515B						
FullFLOW ECO DX		FFD04	R1234 ze	●			227,8+1534,8 kW	266,4+1351,6 kW	
FullFLOW ECOA1 DX		FFD06	R515B						
FullFLOW DX		FFD03	R513A	●			201,7+1455,2kW		
FullFLOW BOOSTER ECO		FFB14	R1234 ze					336,4+843,1 kW	
FullFLOW BOOSTER ECOA1		FFB16	R515B						
CONDENSERLESS UNITS									
Y-Flow E		YFC41	R410A	●			13,7+36,9 kW		
EasyFLOW ECO E		EFC05	R454B	●			38,6+170,5 kW		
EasyFLOW E		EFC01	R410A						
WinFLOW ECO E		WFC05	R454B	●			166,5+360,2 kW		
WinFLOW E		WFC01	R410A						
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	49,1÷161,1 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		EFX05 EFX01	R454B R410A	●		44,9+186,6 kW	53,1+221,5 kW	
WinFLOW ECO 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							

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		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



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

CUSTOM AIR HANDLING UNITS											
ADV-DNAIR 		DNA01 DNA02									Air flow rate: 700÷95.000 m³/h
ADV-CUSTOM		CTCT									Air flow rate: 850÷104.970 m³/h
POOL DEHUMIDIFIERS											
Dry-Pool		DP001 DOM01	R410A								Dehumidification capacity: 8-140 l/h

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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