



**Innovation from Norway
Since 1972**



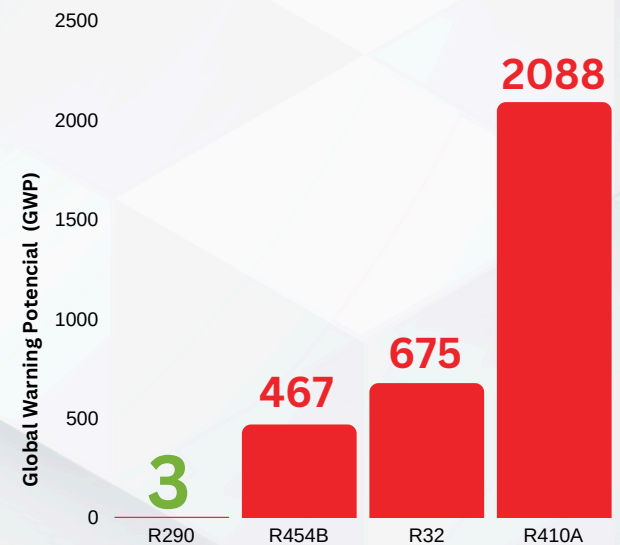
www.proteam.no



Heat Pump With Natural Refrigerant

PROTEAM developed R290 Full DC Inverter Heat Pumps.

Compared to R410A refrigerant with a GWP of 2100 and R32 with a GWP of 675, R290 has a GWP of less than 3 and is recognized by the industry as the most eco-friendly refrigerant.



PROTEAM High Temperature Monobloc



PROTEAM's solution is a seamlessly integrated system designed to deliver comprehensive heating, cooling, and domestic hot water services. This all-encompassing, year-round solution is engineered to eliminate reliance on conventional gas or oil boilers, presenting a sophisticated alternative. PROTEAM system can operate independently or in conjunction with traditional heating systems, offering a versatile and efficient approach to meeting diverse climate control needs.



Heating



Cooling



Hot water



**Set and Check Running
Parameters In Real Time**



Cascade Operation



Select Operation Mode



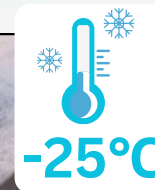
Built - In Wifi Module



Modbus Protocol



Display Errors



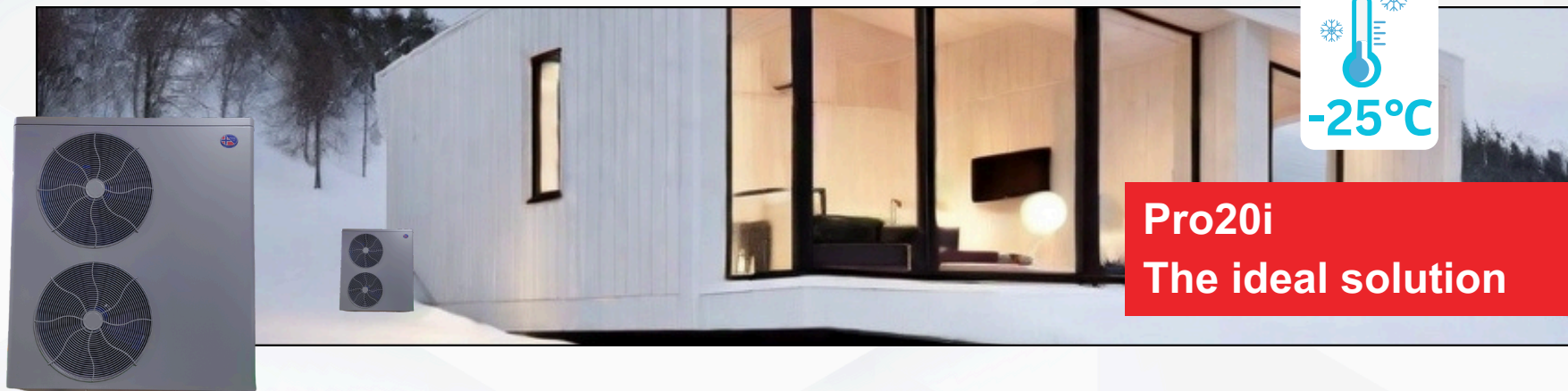
Pro15i Small size, High Performance

Heating at A7/W35			SCOP		
Heating capacity (min-max)	KW	3.65-10.38	SCOP at 35°C		4.48
Power input (min-max)	KW	0.85-2.42	Energy label		A+++
COP		3.01-5.16	SCOP at 55°C		3.57
Heating at A2/W35			Energy label		A++
Heating capacity (min-max)	KW	3.13-8.89	Power supply	V/Ph/Hz	220-240/1/50
Power input (min-max)	KW	0.91-2.58	Compressor		DC Inverter
COP		2.48-4.30	Fan motor		DC
Heating at A7/W55			Water circulation pump		Inverter
Heating capacity (min-max)	KW	3.40-9.63	Refrigerant		R290 (1100g)
Power input (min-max)	KW	1.19-3.38	Refrigerant regulation		Electronic expansion valve
COP		2.00-3.42	Heat exchanger type		Brazed plate
Heating at A2/W55			Water connection	Inch	1
Heating capacity (min-max)	KW	2.96-8.40	Water flow	m ³ /h	1.8
Power input (min-max)	KW	1.20-3.39	Operating outdoor temperature	°C	-25-43
COP		2.0-3.60	Max heating water temperature	°C	75
Cooling at A35/W7			Min cooling water temperature	°C	7
Cooling capacity (min-max)	KW	3.40-8.10	Sound level	dB(A)	63
Power input (min-max)	KW	1.21-2.86	Net weight	kg	85
EER		2.00-3.42	Dimensions (L*W*H)	mm	1100*460*795

Test condition:

1. A7/W35: outdoor air temperature 7°C DB/6°C WB, water inlet/outlet temperature 30°C/35°C
2. A2/W35: outdoor air temperature 2°C DB/1 °C WB, water inlet/outlet temperature 30°C/35°C
3. A7/W55: outdoor air temperature 7°C DB/6°C WB, water inlet/outlet temperature 47°C/55°C
4. A2/W55: outdoor air temperature 2°C DB/1 °C WB, water inlet/outlet temperature 47°C/55°C
5. A35/W7: outdoor air temperature 35°C, water inlet/outlet temperature 12°C/7°C





Pro20i
The ideal solution

Heating at A7/W35			SCOP		
Heating capacity (min-max)	KW	5.10-14.50	SCOP at 35°C		4.57
Power input (min-max)	KW	1.21-3.44	Energy label		A+++
COP		3.03-5.10	SCOP at 55°C		3.66
Heating at A2/W35			Energy label		A++
Heating capacity (min-max)	KW	4.59-13.04	Power supply	V/Ph/Hz	220-240/1/50
Power input (min-max)	KW	1.22-3.45	Compressor		DC Inverter
COP		2.65-4.54	Fan motor		DC
Heating at A7/W55			Water circulation pump		Inverter
Heating capacity (min-max)	KW	4.88-13.85	Refrigerant		R290 (1200g)
Power input (min-max)	KW	1.68-4.78	Refrigerant regulation		Electronic expansion valve
COP		2.03-3.48	Heat exchanger type		Brazed plate
Heating at A2/W55			Water connection	Inch	1
Heating capacity (min-max)	KW	4.23-12.00	Water flow	m ³ /h	2.7
Power input (min-max)	KW	1.65-4.68	Operating outdoor temperature	°C	-25-43
COP		2.2-3.7	Max heating water temperature	°C	75
Cooling at A35/W7			Min cooling water temperature	°C	7
Cooling capacity (min-max)	KW	5.15-12.09	Sound level	dB(A)	67
Power input (min-max)	KW	1.76-4.16	Net weight	kg	99
EER		2.05-3.42	Dimensions (L*W*H)	mm	1115*470*1020

Test condition:

1. A7/W35: outdoor air temperature 7°C DB/6°C WB, water inlet/outlet temperature 30°C/35°C
2. A2/W35: outdoor air temperature 2°C DB/1 °C WB, water inlet/outlet temperature 30°C/35°C
3. A7/W55: outdoor air temperature 7°C DB/6°C WB, water inlet/outlet temperature 47°C/55°C
4. A2/W55: outdoor air temperature 2°C DB/1 °C WB, water inlet/outlet temperature 47°C/55°C
5. A35/W7: outdoor air temperature 35°C, water inlet/outlet temperature 12°C/7°C





Pro30i Threephase - High output

Heating at A7/W35			SCOP		
Heating capacity (min-max)	KW	8.80-21.20	SCOP at 35°C		4.50
Power input (min-max)	KW	1.99-4.80	Energy label		A+++
COP		3.10-5.30	SCOP at 55°C		3.62
Heating at A2/W35			Energy label		A++
Heating capacity (min-max)	KW	6.86-18.60	Power supply	V/Ph/Hz	380-415/3N/50
Power input (min-max)	KW	1.98-4.84	Compressor		DC Inverter
COP		2.73-4.68	Fan motor		DC
Heating at A7/W55			Water circulation pump		Inverter
Heating capacity (min-max)	KW	7.94-19.13	Refrigerant		R290 (1600g)
Power input (min-max)	KW	2.71-6.53	Refrigerant regulation		Electronic expansion valve
COP		2.05-3.52	Heat exchanger type		Brazed plate
Heating at A2/W55			Water connection	Inch	1
Heating capacity (min-max)	KW	7.45-17.95	Water flow	m³/h	3.6
Power input (min-max)	KW	2.66-6.41	Operating outdoor temperature	°C	-25-43
COP		2.20-3.90	Max heating water temperature	°C	75
Cooling at A35/W7			Min cooling water temperature	°C	10
Cooling capacity (min-max)	KW	7.10-17.30	Sound level	dB(A)	73
Power input (min-max)	KW	2.53-5.98	Net weight	kg	135
EER		2.10-3.48	Dimensions (L*W*H)	mm	1165*470*1280

Test condition:

1. A7/W35: outdoor air temperature 7°C DB/6°C WB, water inlet/outlet temperature 30°C/35°C
2. A2/W35: outdoor air temperature 2°C DB/1 °C WB, water inlet/outlet temperature 30°C/35°C
3. A7/W55: outdoor air temperature 7°C DB/6°C WB, water inlet/outlet temperature 47°C/55°C
4. A2/W55: outdoor air temperature 2°C DB/1 °C WB, water inlet/outlet temperature 47°C/55°C
5. A35/W7: outdoor air temperature 35°C, water inlet/outlet temperature 12°C/7°C



iX SERIES INVERTER SWIMMING POOL HEAT PUMPS



Wi Fi

DC
inverter

R32
🌿

15.0
COP

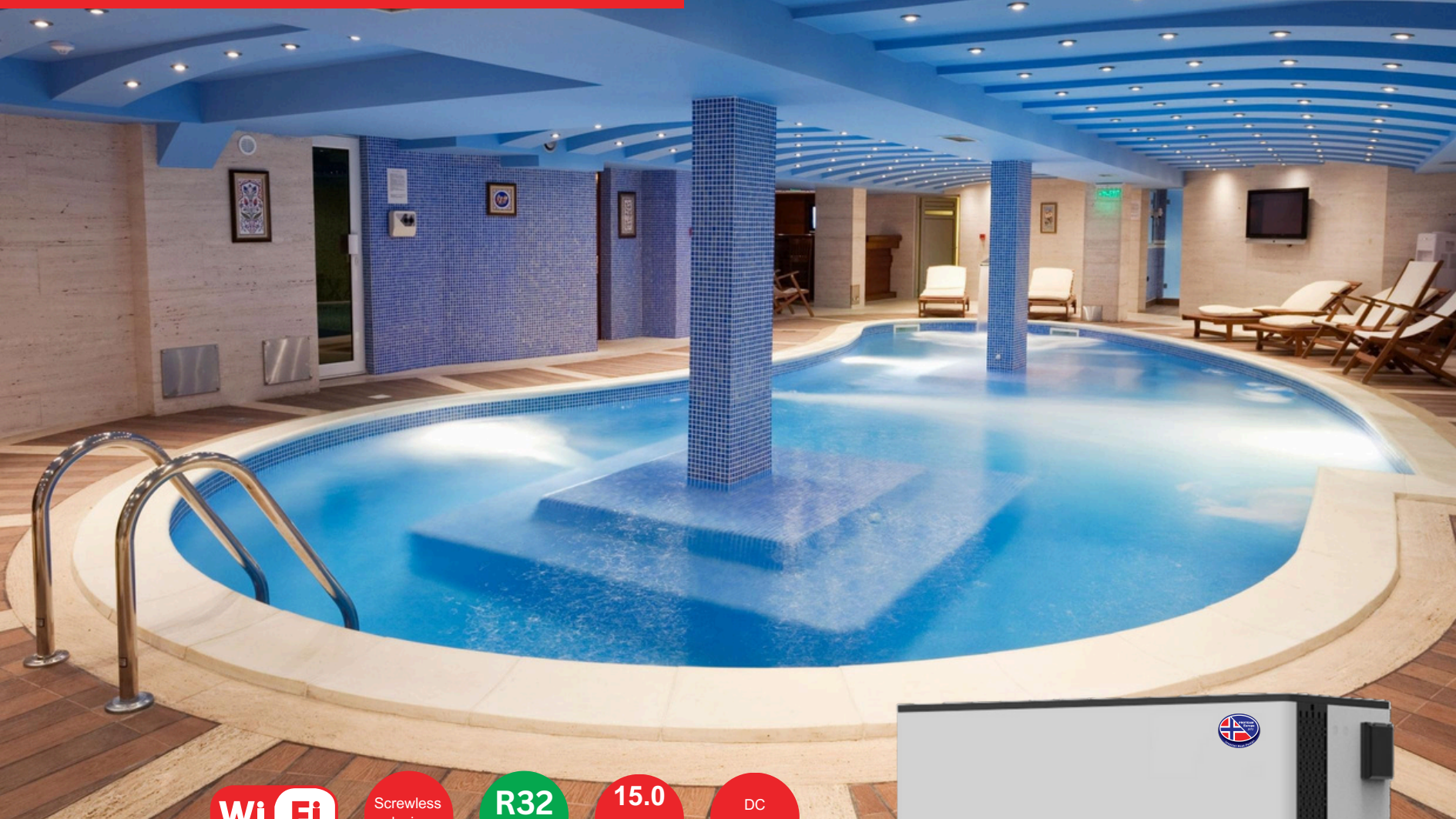




iX SERIES

	iX-7	iX-11	iX-14	iX-17	iX-25	iX-35
Heating Capacity At Air 26°C, Humidity 80%, Water: 26°C In, 28°C Out						
Heating Capacity (kW)	1.76-7.76	2.40-10.55	3.09-14.01	3.88-17.15	5.86-25.92	8.26-35.62
Power Input (kW)	0.11-1.12	0.15-1.52	0.19-1.95	0.24-2.46	0.36-3.71	0.51-5.10
COP	6.94-15.75	6.95-15.84	6.98-16.12	6.98-15.96	6.99-16.15	6.98-16.12
Heating Capacity At Air 15°C, Humidity 70%, Water: 26°C In, 28°C Out						
Heating Capacity (kW)	1.30-5.76	1.78-7.85	2.29-10.12	2.89-12.78	4.43-19.56	6.62-28.52
Power Input (kW)	0.17-1.16	0.23-1.58	0.30-2.03	0.38-2.57	0.58-3.92	0.87-5.73
COP	4.96-7.57	4.97-7.59	4.99-7.64	4.98-7.63	4.99-7.65	4.98-7.62
Heating Capacity At Air 35°C, Water: 29°C In, 27°C Out						
Cooling capacity (kW)	1.06-4.28	1.48-5.92	1.82-7.25	2.35-9.47	3.51-14.22	4.67-20.11
Power input (kW)	0.16-1.15	0.22-1.57	0.26-1.89	0.34-2.51	0.50-3.72	0.67-5.28
EER	3.73-6.61	3.76-6.74	3.83-6.95	3.78-6.89	3.82-6.97	3.81-6.97
Power supply	220-240V/1/50Hz					220-240V/1/50Hz
Rated power input (kW)	1.2	1.6	2.1	2.6	3.9	5.7
Compressor	Mitsubishi					
Refrigerant	R32					
Heat exchanger	Titanium					
Water flow volume (m ³ /h)	2.5	3.5	4.5	5.5	9	12
Working temperature range (°C)	-15-43					
Noise level (db)	<43	<43	<46	<46	<46	<49
Casing Material	ABS plastic					
Net dimensions (mm) (LxWxH)	860*320*592	860*320*592	920*360*640	920*360*640	1080*370*730	1080*370*730
Net Weight (kg)	40	42	51	54	84	105

PS SERIES INVERTER SWIMMING POOL HEAT PUMPS



Screwless
design



15.0
COP

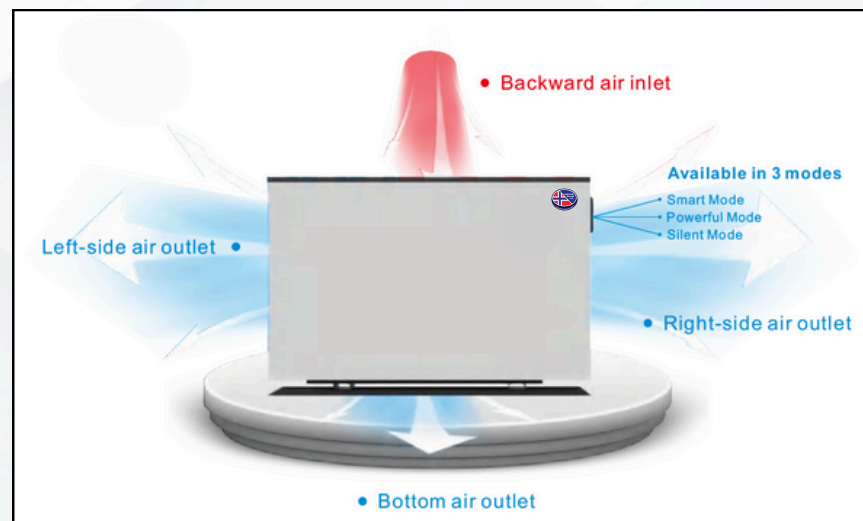
DC
inverter



Model		PS15	PS20	PS25	PS35
Performance conditions: Air 27°C, Water 26°C, Humidity 80%					
Heating capacity (min-max)	KW	3.15-14.00	4.00-20.00	4.80-24.00	6.5-32.5
Power input (min-max)	KW	0.21-2.15	0.27-3.33	0.32-4.00	0.43-5.42
COP		6.5-15.0	6.0-14.8	6.0-15.0	6.0-15.0
Performance conditions: Air 15°C, Water 26°C, Humidity 70%					
Heating capacity (min-max)	KW	2.40-10.7	2.85-15.6	3.42-18.7	5.07-25.4
Power input (min-max)	KW	0.34-2.12	0.40-3.25	0.49-3.89	0.72-5.29
COP		5.0-7.1	4.8-7.0	4.8-7.0	4.8-7.0
Performance conditions: Air 35°C, Water 28°C, Humidity 80%					
Cooling capacity	KW	7.2	10.1	11.8	15.6
Power supply	V/Hz	230/1Ph/50Hz			
Compressor		Panasonic			
Refrigerant		R32			
Casing material		Metal			
Water Connection	mm	Φ50			
Net weight/Gross weight	Kg	70/78	81/91	93/103	115/127
Net dimensions (mm) (L x W x H)		980*402*636	1107*503*760	1107*503*760	1187*503*900

SILENT SERIES

The INVERTER Silent Series Swimming Pool Heat Pump adopts FULL DC INVERTER technology with the double-side discharge design and a double rotor compressor, which brings beauty while effectively reducing the noise level. It is a new design style on the market, specifically designed for swimming pools of 15 to 100m³.



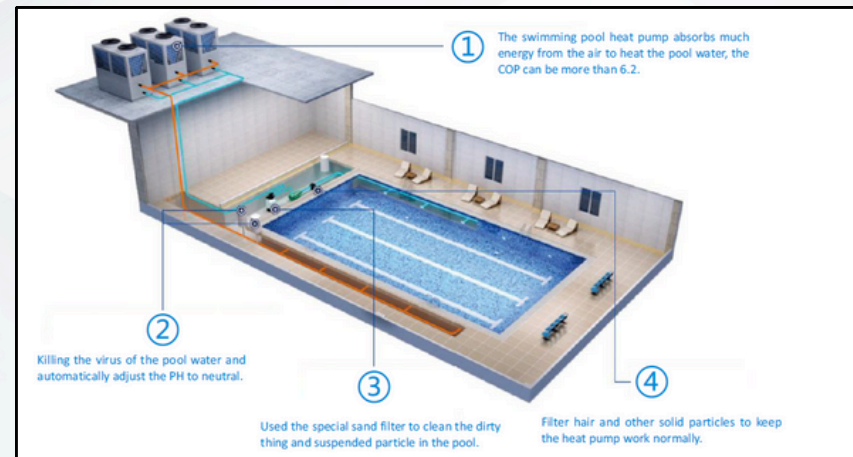
COMMERCIAL SERIES SWIMMING POOL HEAT PUMPS



Model	PC1030	PC1060	PC1080	PC1110	PC1130	PC1150
Advised pool volume (m ³)	40-85	80-170	120-250	150-300	210-400	260-500
Operating air temperature (°C)	-7-43					
Performance conditions: Air 27°C, Water 26°C, Humidity 80%						
Heating capacity (min-max)	26.0	51.5	75.0	100.0	121.0	145.0
Heating capacity (Btu)	88400	175100	255000	340000	411400	493000
Consumed power (kW)	4.2	8.4	12.1	16.8	20.2	23.8
COP	6.2	6.1	6.2	6.0	6.0	6.1
Performance conditions: Air 15°C, Water 26°C, Humidity 70%						
Heating capacity (min-max)	18.3	39.8	53.5	77.5	90.3	105.8
Heating capacity (Btu)	62220	135320	181900	263500	307020	359720
COP	4.7	4.7	4.7	4.6	4.7	4.6
Performance conditions: Air 35°C, Water 28°C, Humidity 80%						
Cooling capacity (kW)	16.5	33.4	48.5	65.1	78.5	94.6
Sound pressure at 1m dB(A)	56	58	60	62	64	66
Sound pressure at 10m dB(A)	44	46	48	50	52	54
Heat exchanger	Spiral titanium tube in PVC					
Refrigerant	R410A					
Power supply	380-400V/3PH/50Hz					
Water Connection (mm)	G1-1/2"(PVC female thread)	G2"(PVC female thread)	G2"(PVC female thread)	DN110(PVC flange)	DN110(PVC flange)	DN110(PVC flange)
Rated input current at air 15°C (A)	6.05	13.02	17.52	25.89	29.77	35.35
Advised water flux (m ³ /h)	11.2	22.1	32.3	43.0	52.0	62.4
Water pressure drop (max) kPa	50	50	50	45	45	50
Net weight/Gross weight (kg)	132/145	200/220	248/268	352/372	450/480	465/500
Product size (mm)	740*805*1165	1500*750*1075	1530*790*1100	1705*1005*1230	2005*1050*1400	
Operating water temperature (°C) heating	9-43					
Operating water temperature (°C) cooling	9-35					

COMMERCIAL SERIES

Commercial pool heat pump provides maximum energy efficiency and reliability. Working efficiently, the heat pump units absorb heat from the environment, and transfer it to the pool water, which makes the heating process ecological and cost-saving.

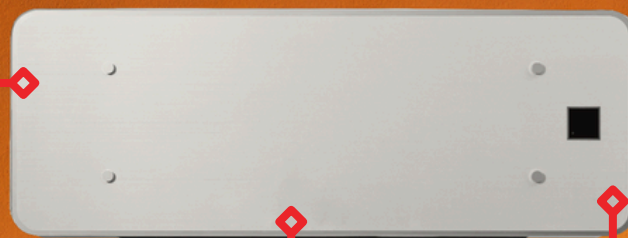


Fan coils



PROTEAM NORWAY presents state-of-the-art hydronic fan coils. Setting a new standard in its category, using a super-thin profile at just 12 cm, operates at a minimum noise level of 20 dB (A), and incorporates DC Inverter technology for energy-efficient performance, consuming only up to 17 Watts. This modern design seamlessly integrates into any space, while an aluminum tangential fan ensures superior efficiency in air circulation. User-friendly controls are available on both the machine and the wall, offering convenience, and versatile connection options allow for flexible installation. Elevate your comfort experience, where innovation, efficiency, and sophistication converge.

Strong body
Body in galvanized & painted steel
Steel thickness 0.8 mm



Frontal panel
Tempered glass
Silk-screened back

DC Inverter motor
Aluminum cross blade
Low consumption DC inverter motor

High Wall Series

Model		HW 600	HW 800
Heating capacity (1)	kW	2.45	3.30
Heating capacity (2)	kW	2.14	2.83
Heating capacity (3)	kW	3.78	5.04
Heating capacity (4)	kW	2.18	3.01
Cooling capacity (5)	kW	1.70	2.45
Input power (min-max)	Watt	5-14	8-17
Water content	liters	0.43	0.56
Hydraulic connection		1/2 Gas Female	
Max airflow	m ³ /h	450	540
Med airflow	m ³ /h	350	430
Min airflow	m ³ /h	240	310
Sound level (min-max) (6)	db(A)	23.4-38.3	25.0-39.1
Power supply	V/Hz	220-240/50	220-240/50
LCD display		Yes	Yes
Stainless steel filter		Yes	Yes
Front panel tempered glass		Yes	Yes
Net dimensions (L x H x W)	mm	1065*383*120	1257*383*120
Net weight	Kg	17	20

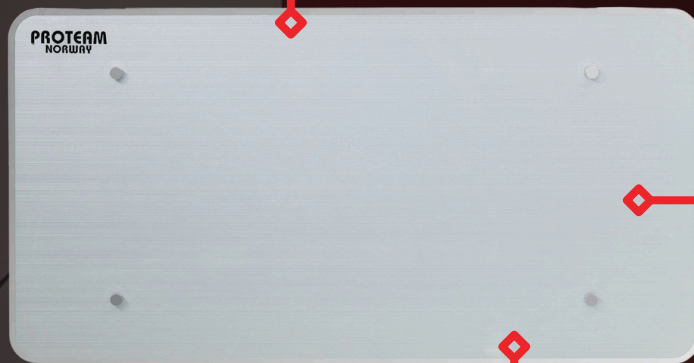


- (1) Water temperature 50 °C, ambient temperature 20 °C b.s. e 15°C b.u. EN 1397 EUROVENT
 (2) Water temperature 45-40 °C, ambient temperature 20 °C b.s. e 15°C b.u. EN 1397
 (3) Water temperature 70-50 °C, ambient temperature 20 °C b.s. e 15°C b.u. (Traditional boiler).
 (4) Water temperature 55-35 °C, ambient temperature 20 °C b.s. e 15°C b.u. (Condensing boiler).
 (5) Water temperature 7/12 °C, room ambient 27 °C b.s. e 19 °C b.u. EN 1397 EUROVENT
 (6) SPL tested at a 1m distance, conforming to ISO7779

Floor Series

Stainless steel filter

Frontal panel
Tempered glass
Silk-screened back



Strong body
Body in galvanized & painted steel
Steel thickness 0.8 mm

DC Inverter motor
Aluminum cross blade
Low consumption DC inverter motor

Top grill
Extruded painted aluminum
Touch screen display



Model		FS 400	FS 800
Heating capacity (1)	kW	2.40	4.23
Heating capacity (2)	kW	2.00	3.50
Heating capacity (3)	kW	3.49	6.24
Heating capacity (4)	kW	1.92	3.72
Cooling capacity (5)	kW	1.81	3.38
Input power (min-max)	Watt	13	8-17
Water content	liters	0.59	1.11
Hydraulic connection	1/2 Gas Female		
Max airflow	m ³ /h	315	540
Med airflow	m ³ /h	230	450
Min airflow	m ³ /h	155	310
Sound level (min-max) (6)	db(A)	21.6-35.2	21.7-36.3
Power supply	V/Hz	220-240/50	220-240/50
LCD display		Yes	Yes
Stainless steel filter		Yes	Yes
Front panel tempered glass		Yes	Yes
Net dimensions (L x H x W)	mm	873*553*120	1257*553*120
Net weight	Kg	17.6	24.5



(1) Water temperature 50 °C, ambient temperature 20 °C b.s. e 15°C b.u. EN 1397 EUROVENT

(2) Water temperature 45-40 °C, ambient temperature 20 °C b.s. e 15°C b.u. EN 1397

(3) Water temperature 70-50 °C, ambient temperature 20 °C b.s. e 15°C b.u. (Traditional boiler).

(4) Water temperature 55-35 °C, ambient temperature 20 °C b.s. e 15°C b.u. (Condensing boiler).

(5) Water temperature 7/12 °C, room ambient 27 °C b.s. e 19 °C b.u. EN 1397 EUROVENT

(6) SPL tested at a 1m distance, conforming to ISO7779

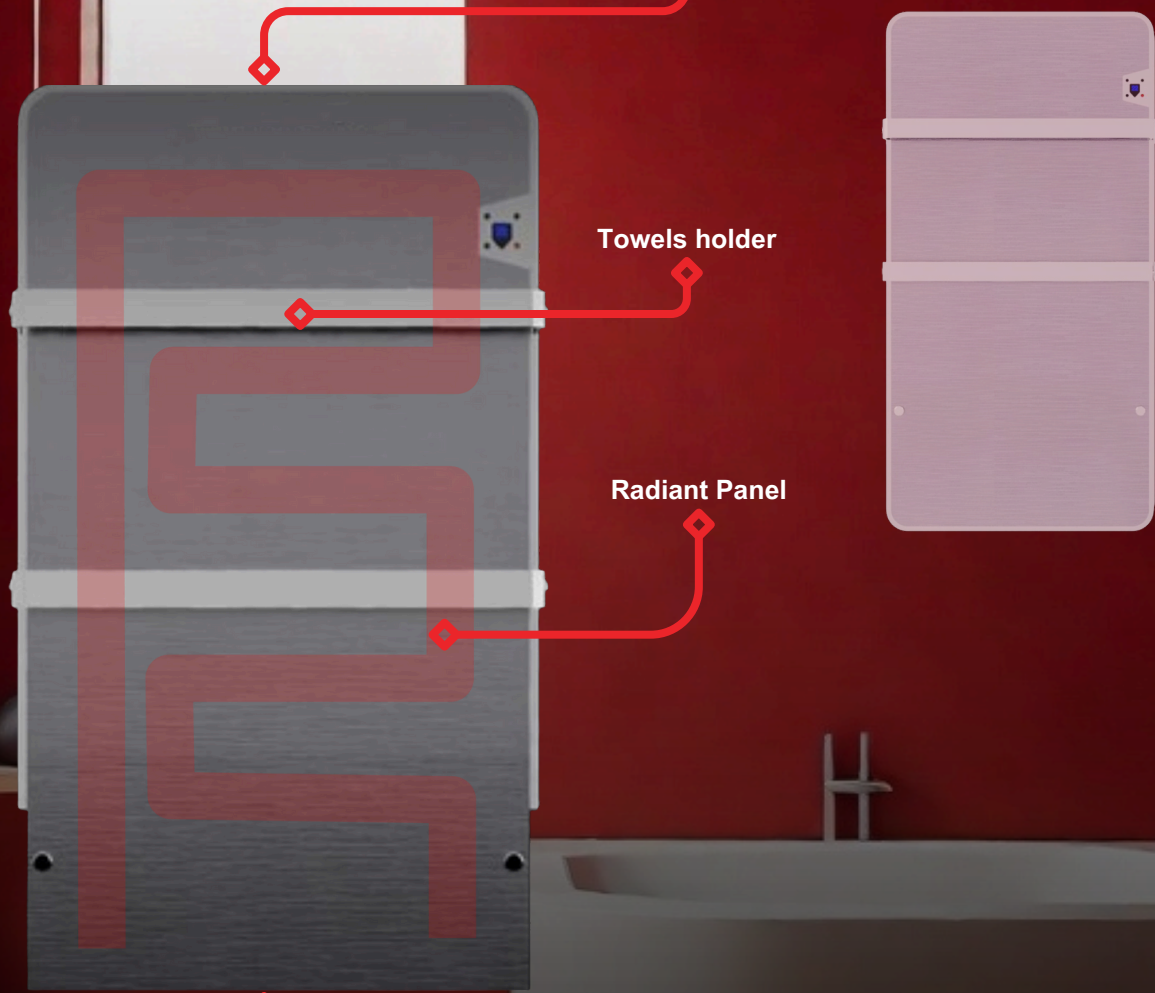
Bath Series

Top grill
Extruded aluminum

Towels holder

Radiant Panel

Strong body



Model		BT 400
Heating capacity (1)	kW	1.45
Heating capacity (2)	kW	1.19
Heating capacity (3)	kW	2.09
Heating capacity (4)	kW	1.21
Cooling capacity (5)	kW	1.20
Input power (min-max)	Watt	4-11
Water content	liters	0.52
Hydraulic connection	3/4 Gas Female	
Max airflow	m ³ /h	225
Med airflow	m ³ /h	175
Min airflow	m ³ /h	120
Sound level (min-max) (6)	db(A)	19.1-34
Power supply	V/Hz	4-11
LCD display		Yes
Stainless steel filter		Yes
Front panel tempered glass		Yes
Net dimensions (L x H x W)	mm	1158*506*627
Net weight	Kg	25.8



- (1) Water temperature 50 °C, ambient temperature 20 °C b.s. e 15°C b.u. EN 1397 EUROVENT
 (2) Water temperature 45-40 °C, ambient temperature 20 °C b.s. e 15°C b.u. EN 1397
 (3) Water temperature 70-50 °C, ambient temperature 20 °C b.s. e 15°C b.u. (Traditional boiler).
 (4) Water temperature 55-35 °C, ambient temperature 20 °C b.s. e 15°C b.u. (Condensing boiler).
 (5) Water temperature 7/12 °C, room ambient 27 °C b.s. e 19 °C b.u. EN 1397 EUROVENT
 (6) SPL tested at a 1m distance, conforming to ISO7779



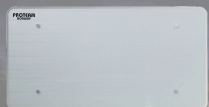
Size 1100*460*795



Size 1115*470*1020



Size 1165*470*1280



Size 1257*553*120



Size 1257*383*120



Size 1257*383*120



Size 860*320*592



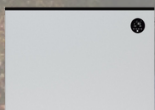
Size 920*360*640



Size 1080*370*730



Size 980*402*636



Size 1107*503*760



Size 1107*503*760



Size 2005*1150*1400



Siv.Ing. Harald Einevoll started an innovative company in Norway in 1972. He developed Energy Saving and Safety System for Swimming Pools.

The first system he launched in 1975, was a combination of Proteam Heat Pump and PoolLock Safety Cover.

His systems are sold in more than 40 different countries.

PROTEAM
Norway, Kokstaddalen 31, N-5257 Kokstad
www.proteam.no
info@proteam.no
+47 905 59 955

PoolLock Hellas
Nea Redestos, Thermi, 57001
www.poollockgr.com
info@poollockgr.com
+30 2310 462 122