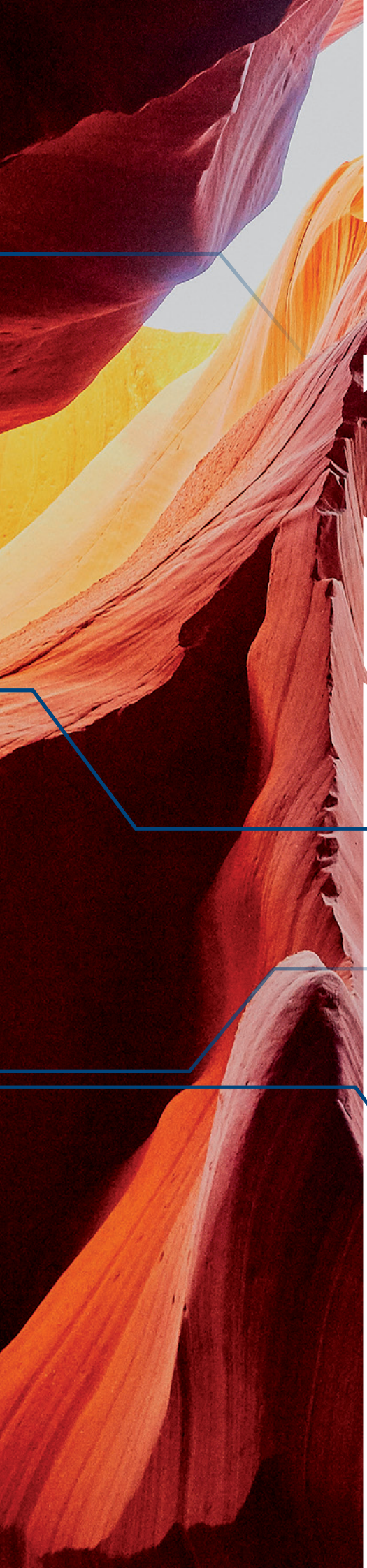

TEMPERATURE CONTROL UNITS

PRODUCTS COLLECTION

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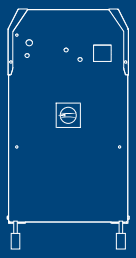
EURO
CHILLER
INTERNATIONAL COOLING

Index

TEMPERATURE CONTROL UNITS

STARTY

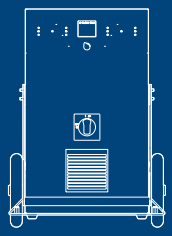


3 - 12 kW page 04

MAXY

3 - 24 kW page 08

3FLOWSevo



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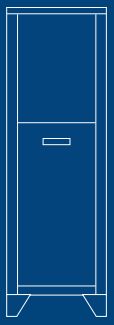
ET



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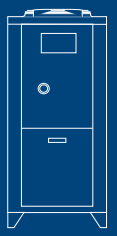
ROSSOBLU



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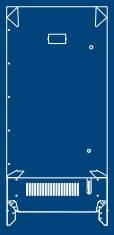
ICEtemp

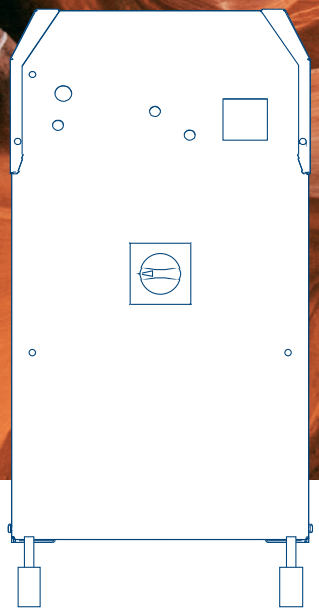


3 - 18 kW 4 - 94 kW page 46

starty

Termoregolatori ad acqua, potenza di riscaldamento 3 - 12 kW

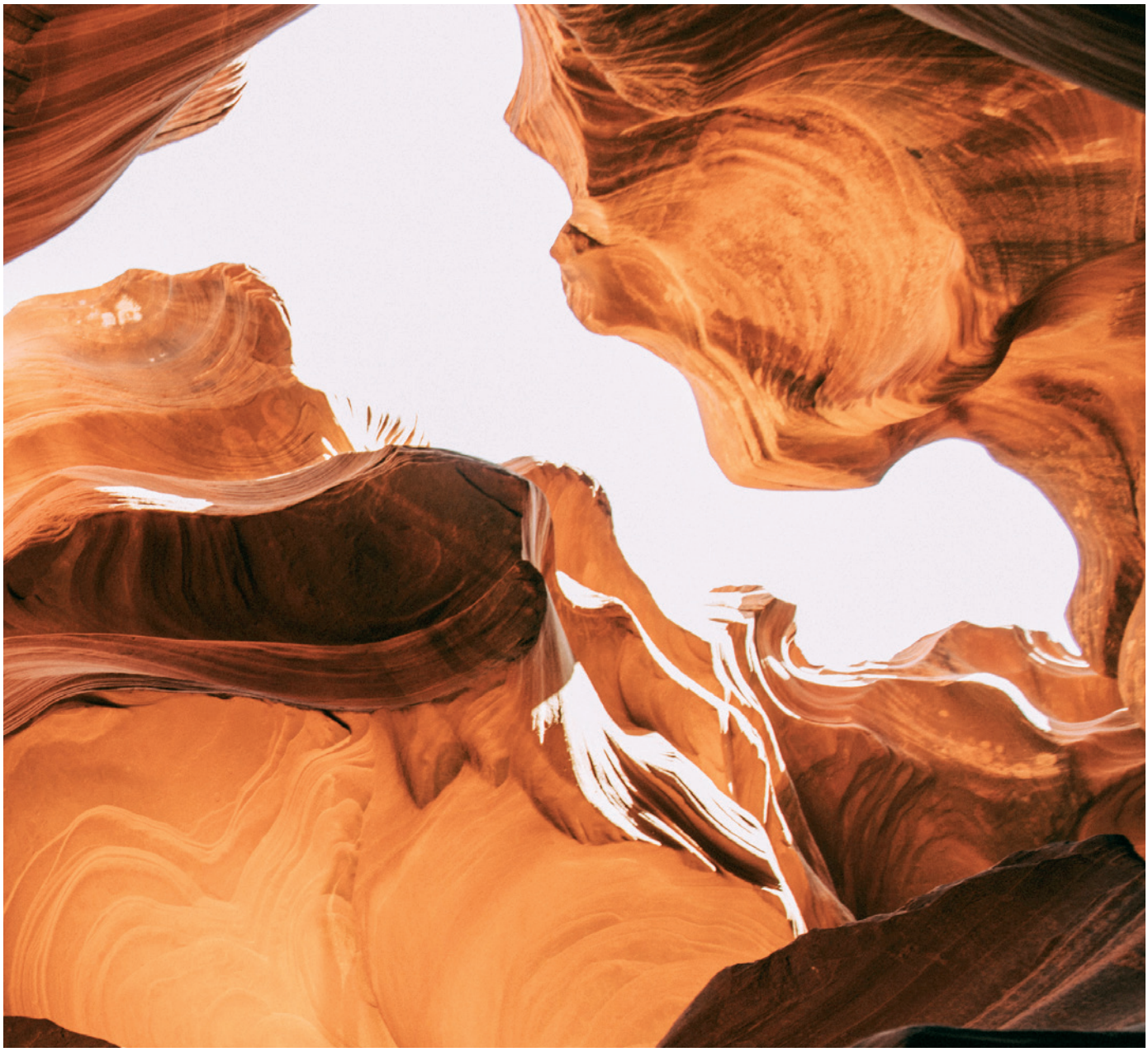
Water temperature control units, heating capacity 3 - 12 kW



La serie **STARTY** comprende centraline di termoregolazione ad acqua con potenza di riscaldamento compresa tra 3 e 12 kW e potenza di riscaldamento pari a 18 kW. Fornite su ruote, le centraline possono essere facilmente movimentate all'interno dell'ambito produttivo.

STARTY line includes water temperature control unit with heating capacity ranging from 3 to 12 kW and cooling capacity of 18 kW. Supplied on castors, the units can be easily moved within the production area.

TEMPERATURE CONTROL UNITS



4

DIFFERENT SIZES

WATER TCU

WATER TEMPERATURE +90°C

STRUTTURA
Struttura autoportante su ruote.

STRUCTURE
Self-standing structure, on castors.

RESISTENZA
Ad immersione.

HEATER
Immersed version.

SCAMBIATORE
Scambiatore di calore a serpentina alettata, di tipo immerso.

HEAT EXCHANGER
Plate heat exchanger, immersed type.

POMPA
Pompa periferica a piede immerso con funzione di reversibilità.

PUMP
Submersible, peripheral pump with reverse function.

VASO ESPANSIONE
Realizzato in acciaio inox con paratie interne, capacità 18 lt è fornito completo di caricamento automatico indipendente, comprensivo di filtro.

EXPANSION TANK
Stainless steel tank with internal bulkheads, capacity 18 lt, supplied with automatic, independent filling system complete with filter.

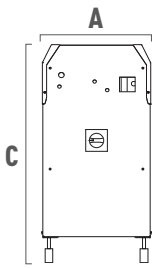
CONTROLLO
Gefran 650 con display digitale e funzione PID durante le fasi di raffreddamento/riscaldamento.

CONTROL
Gefran 650 control system with digital display and PID function during heating/cooling phases.

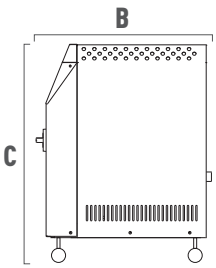
TEMPERATURE CONTROL UNITS

starty					3	6	9	12
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		3	6	9	12
	Tipo	Type	-		Elettrico - Electric			
	Parzializzazione	Partialization	%		0-100			
	Controllo	Control	-		Contattori - Contactors			
COOLING SECTION	Potenza di raffreddamento	Cooling capacity	kW		18			
			kCal/h		15.000			
	Fluido	Fluid	-		Acqua - Water			
	Campo d'impiego	Temperature range	°C		+20 / +90			
	Controllo	Control	-		PID			
HYDRAULIC SECTION	Pompa	Pump	kW		0,7			
			lt/min		25			
			Bar		2			
	Vaso di accumulo	Storage tank	lt		18			
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT (1)		G 1/2"			
			ø R (2) T (3)		G 1/2"			
			ø S (4)		G 1/4"			
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C		1			
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		3,7	6,7	9,7	12,7
	Tensione	Voltage	V/Ph/Hz		400/3/50			
	Ausiliari	Auxiliaries	A		220			
SIZES & WEIGHT	Ingombri	Sizes	mm	A	310			
				B	550			
				C	600			
	Peso netto	Net weight	kg		40			

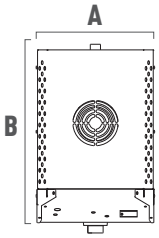
1. Processo
2. Raffreddamento
3. Troppo pieno
4. Scarico
1. Process
2. Cooling
3. Overflow
4. Discharge



Front view

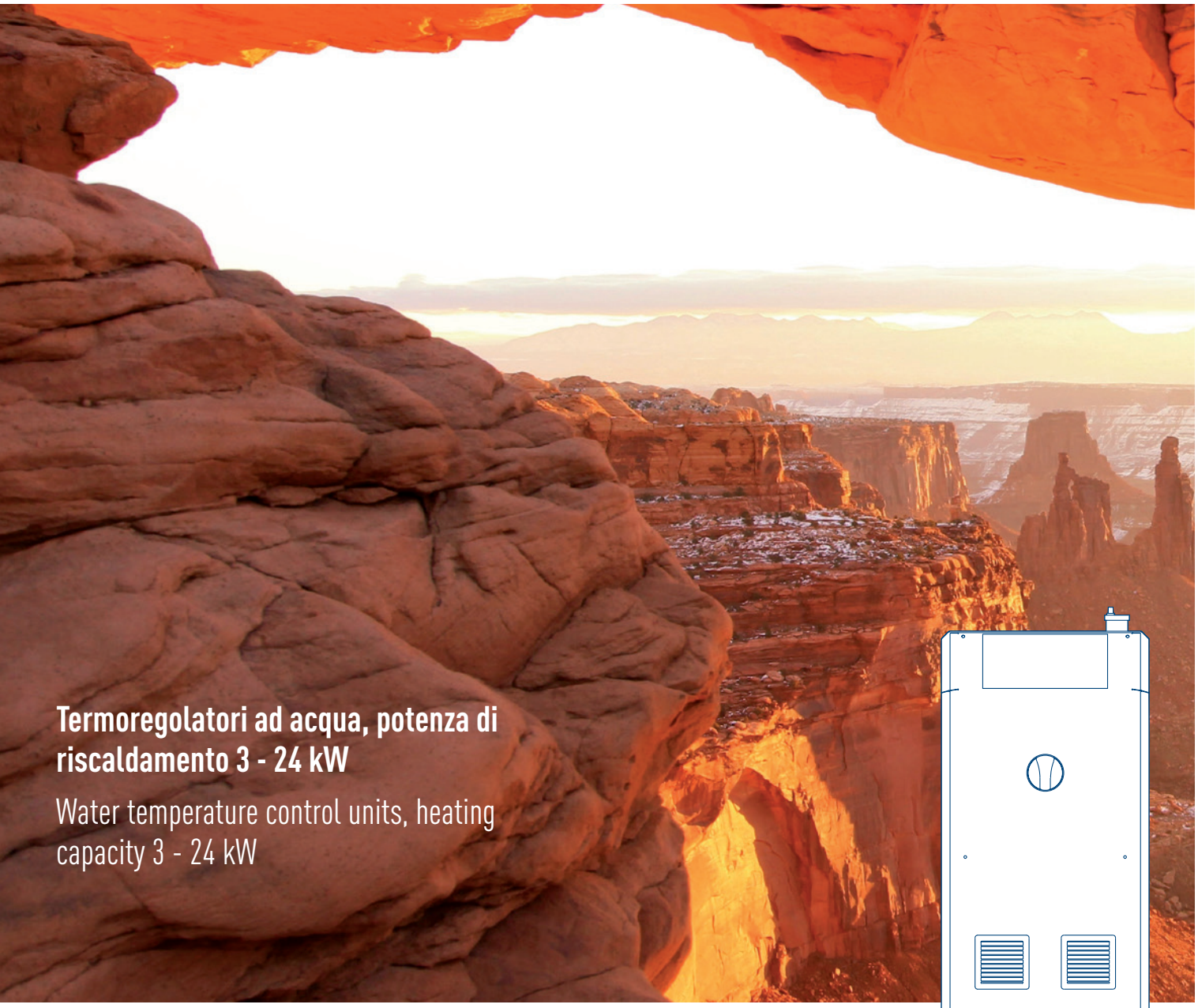


Side view



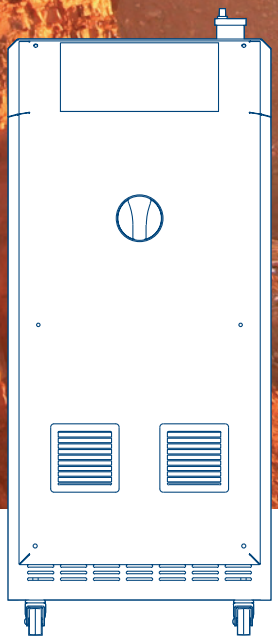
Top view

maxy



Termoregolatori ad acqua, potenza di riscaldamento 3 - 24 kW

Water temperature control units, heating capacity 3 - 24 kW



Le serie **MAXY** comprende centraline di termoregolazione ad acqua fino a +90°C con potenza di riscaldamento compresa tra 3 e 24 kW e potenza di raffreddamento pari a 105 kW. Fornite su ruote, le centraline possono essere facilmente movimentate all'interno dell'ambito produttivo.

MAXY line includes water temperature control units up to +90°C with heating capacity ranging from 3 to 24 kW and cooling capacity of 105 kW. Supplied on castors, the units can be easily moved within the production area.

TEMPERATURE CONTROL UNITS

6

DIFFERENT SIZES

WATER TCU

WATER TEMPERATURE +90°C

STRUTTURA
Struttura autoportante su ruote con pannelli laterali asportabili.

STRUCTURE
Self-standing structure, on castors, with removable side panels.

RESISTENZA
Ad immersione.

HEATER
Immersed version.

SCAMBIATORE
A piastre.

HEAT EXCHANGER
Plate-type.

POMPA
Pompa periferica a piede immerso con funzione di reversibilità (optional).

PUMP
Submersible, peripheral pump with reverse function (optional).

VASO ESPANSIONE
Realizzato in acciaio inox, capacità 25 lt è fornito completo di caricamento automatico indipendente, comprensivo di filtro.

EXPANSION TANK
Stainless steel tank, capacity 25 lt, supplied with automatic, independent filling system complete with filter.

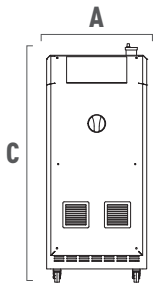
CONTROLLO
Gefran 650 con display digitale e funzione PID durante le fasi di raffreddamento/riscaldamento.

CONTROL
Gefran 650 control system with digital display and PID function during heating/cooling phases.

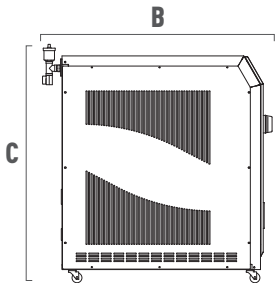
TEMPERATURE CONTROL UNITS

maxy					3	6	9	12	18	24
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		3	6	9	12	18	24
	Tipo	Type	-		Elettrico - Electric					
	Parzializzazione	Partialization			0-100				0-50-100	
	Controllo	Control	-		Contattori - Contactors					
COOLING SECTION	Potenza di raffreddamento	Cooling capacity	kW		105					
			kCal/h		90.000					
	Fluido	Fluid	-		Acqua - Water					
	Campo d'impiego	Temperature range	°C		+20 / +90					
	Controllo	Control	-		PID					
HYDRAULIC SECTION	Pompa	Pump	kW		1,1					
			lt/min		90					
			Bar		3					
	Vaso di accumulo	Storage tank	lt		25					
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT (1)		1"					
			ø R (2) T (3)		1"					
			ø S (4)		1"					
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C		1					
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		4,1	7,1	10,1	13,1	19,1	25,1
	Tensione	Voltage	V/Ph/Hz		400/3/50					
	Ausiliari	Auxiliaries	A		110					
SIZES & WEIGHT	Ingombri	Sizes	mm	A	400					
				B	800					
				C	850					
	Peso netto	Net weight	kg		120					

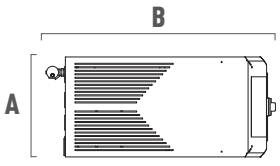
1. Processo	**1.** Process
2. Raffreddamento	**2.** Cooling
3. Troppo pieno	**3.** Overflow
4. Scarico	**4.** Discharge



Front view

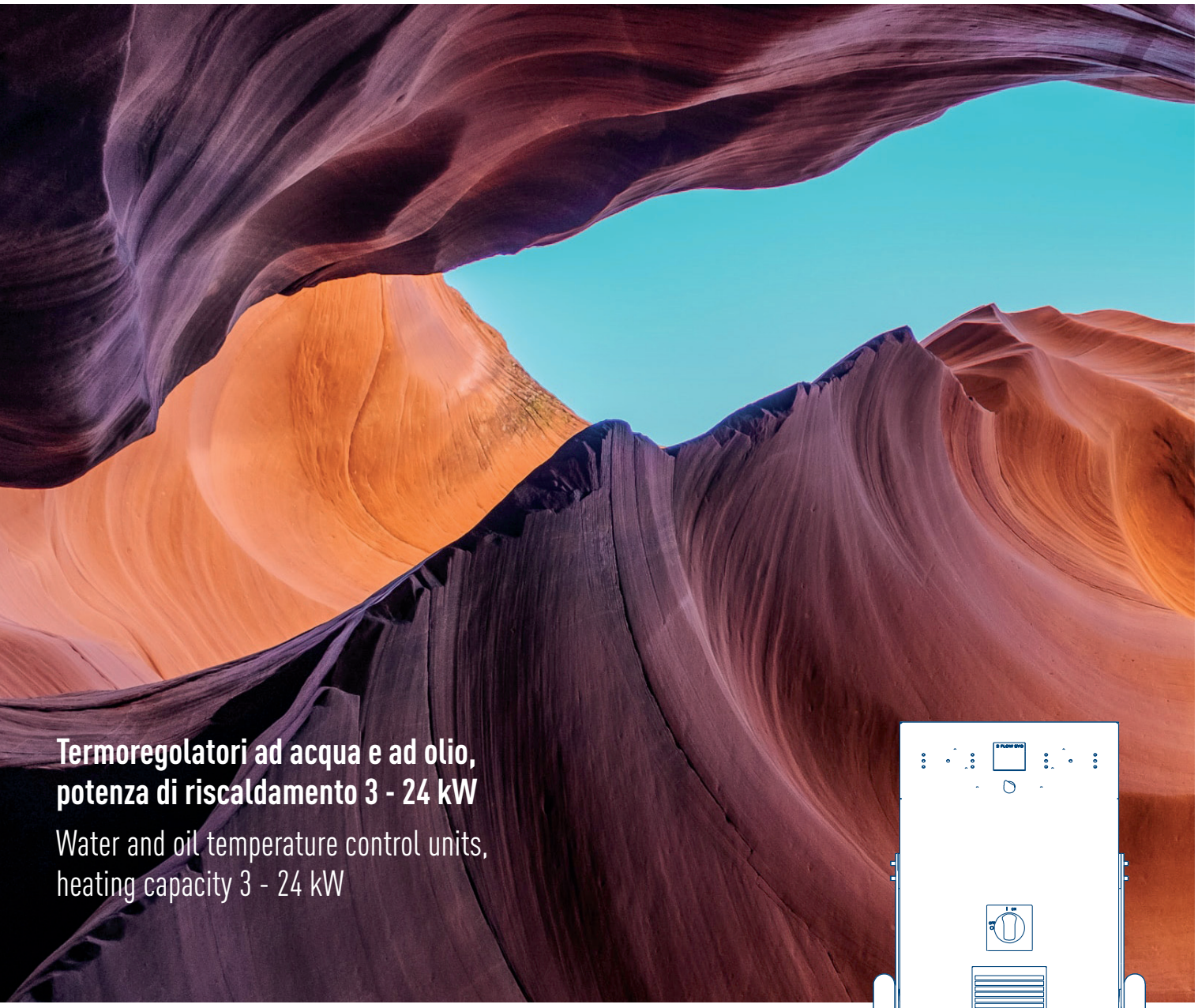


Side view



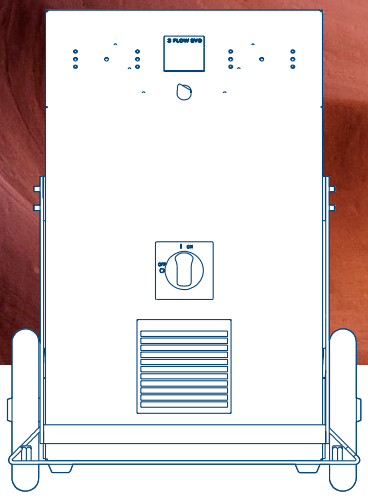
Top view

3FLOWSevo



Termoregolatori ad acqua e ad olio, potenza di riscaldamento 3 - 24 kW

Water and oil temperature control units, heating capacity 3 - 24 kW



La serie **3FLOWSevo** comprende unità di termoregolazione ad acqua e ad olio con potenza di riscaldamento compresa tra 3 e 24 kW. Le centraline ad acqua sono disponibili in versione vaso aperto (fino a 90°C) o pressurizzato (fino a 140°C).

3FLOWSevo line includes water and oil temperature control units with heating capacity ranging from 3 to 24 kW. Water unts may be supplied either with open tank (up to +90°C) or under pressure one (up to +140°C).

TEMPERATURE CONTROL UNITS

DIFFERENT SIZES

2 PUMP SIZES

WATER TCU UP TO +140°C

OIL TCU UP TO +200°C

3FLOWSevo

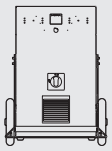
3FLOWSevo-O[1]
Oil up to 200°C

3FLOWSevo-A
Open tank, water up to 90°C

3FLOWSevo-P
Closed tank, water up to 140°C

1. La serie 3FLOWSevo-O è quotata on demand.
The 3FLOWSevo-O line is quoted on demand.

3FLOWSevo



STRUTTURA
Struttura autoportante con pannelli laterali asportabili e maniglia anteriore, grandi ruote posteriori e piedini frontali per garantire stabilità.

STRUCTURE
Self-standing structure with removable side-panels and a front handle, large rear wheels and front feet to ensure stability.

RESISTENZA
A flusso forzato con scarico aria integrato.

HEATER
Forced flow heater with integrated air breather.

SCAMBIATORE
A piastre (optional).

HEAT EXCHANGER
Plate-type (optional).

POMPA
Pompa centrifuga a bassa rumorosità.

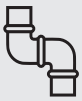
PUMP
Low noise, centrifugal pump.

VASO ESPANSIONE
3FLOWSevo-A/O: vaso di accumulo interno aperto in acciaio inox, capacità 12 lt 3FLOWSevo-P: vaso d'espansione interno in acciaio galvanizzato, capacità 5 lt.
Le versioni ad acqua sono fornite complete di caricamento automatico indipedente.

EXPANSION TANK
3FLOWSevo-A/O: stainless steel open internal tank, capacity 12 lt 3FLOWSevo-P: galvanized steel internal expansion tank, capacity 5 lt.
Water units are fitted with automatic, independent filling system.

BY-PASS
By-pass idraulico interno di sicurezza.

BY-PASS
Internal, hydraulic safety by-pass.



TUBAZIONI
Realizzate in multistrato plastico.

PIPES
Multilayer, plastic pipes.

SCARICO ARIA
3FLOWSevo-A/P: Automatico.
3FLOWSevo-O: Sfioro automatico al riempimento con elettrovalvola.

ARIA BREATHER
3FLOWSevo-A/P: Automatic.
3FLOWSevo-O: Automatic air overflow on filling by solenoid valve

CONTROLLO
Gefran 650 con display digitale e COOLDOWN SOFTWARE (ciclo di raffreddamento automatico allo spegnimento della pompa).

CONTROL
Gefran 650 control system with digital display and COOLDOWN SOFTWARE (automatic cooling cycle when the pump switches off).

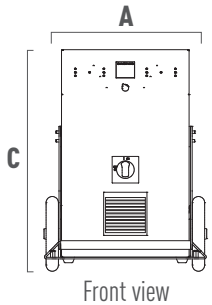
TEMPERATURE CONTROL UNITS

3FLOWSevo-A					603	606	619	612	1206	1209	1212	1218	1224
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		3	6	9	12	6	9	12	18	24
	Tipo	Type	-		Elettrico - Electric								
	Parzializzazione	Partialization	%										
	Controllo	Control	-										
COOLING SECTION	Potenza di raffreddamento [5]	Cooling capacity [5]	kW		18 - 52 - 105 - 157								
			kCal/h		15.000 - 45.000 - 90.000 - 135.000								
	Fluido	Fluid	-		Acqua - Water								
	Campo d'impiego	Temperature range	°C		+20 / +90								
	Controllo	Control	-										
HYDRAULIC SECTION	Pompa	Pump	kW		0,55				0,75				
			lt/min [4]		50				90				
			Bar		2,5								
	Vaso di accumulo	Storage tank	lt		12, open type								
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT [1]		3/4"								
			ø R [2]		3/4"								
			ø S [3]										
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C										
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		3,5	6,5	9,5	12,5	6,8	9,8	12,8	18,8	24,8
	Tensione	Voltage	V/Ph/Hz		400/3/50								
	Ausiliari	Auxiliaries	V		110								
SIZES & WEIGHT	Ingombri	Sizes	mm	A	400								
				B	790								
				C	550								
	Peso netto	Net weight	kg		80								

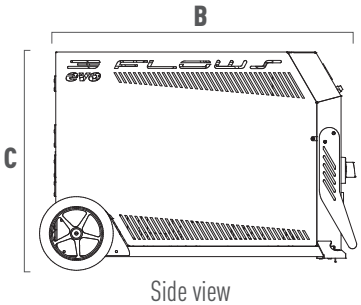
1. Processo	**1.** Process
2. Raffreddamento	**2.** Cooling
3. Scarico	**3.** Discharge
4. Valore a centro curva	**4.** Centre of curve value
5. Optional	**5.** Optional

TEMPERATURE CONTROL UNITS

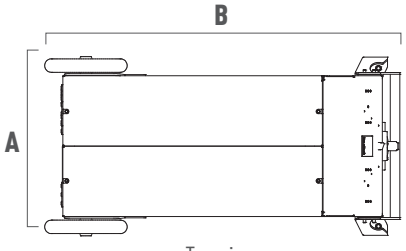
3FLOWSevo-P					603	606	619	612	1206	1209	1212	1218	1224
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		3	6	9	12	6	9	12	18	24
	Tipo	Type	-		Elettrico - Electric								
	Parzializzazione	Partialization	%										
	Controllo	Control	-										
COOLING SECTION	Potenza di raffreddamento [5]	Cooling capacity [5]	kW		18 - 52 - 105 - 157								
			kCal/h		15.000 - 45.000 - 90.000 - 135.000								
	Fluido	Fluid	-		Acqua - Water								
	Campo d'impiego	Temperature range	°C		+20 / +140								
	Controllo	Control	-										
HYDRAULIC SECTION	Pompa	Pump	kW		0,55				0,75				
			lt/min [4]		50				90				
			Bar		2,5								
	Vaso di accumulo	Storage tank	lt		5, closed type								
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT [1]		3/4"								
			ø R [2]		3/4"								
			ø S [3]										
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C										
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		3,5	6,5	9,5	12,5	6,8	9,8	12,8	18,8	24,8
	Tensione	Voltage	V/Ph/Hz		400/3/50								
	Ausiliari	Auxiliaries	V		110								
SIZES & WEIGHT	Ingombri	Sizes	mm	A	400								
				B	790								
				C	550								
	Peso netto	Net weight	kg		80								



Front view



Side view



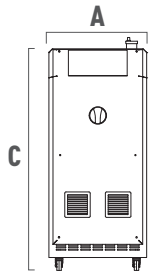
Top view

3FLOWSevo-0					603
HEATING SECTION	Potenza di riscaldamento	Heating capacity		kW	3
	Tipo	Type		-	Elettrico - Electric
	Controllo	Control		-	PID Contattore - PID Contactor
COOLING SECTION	Potenza di raffreddamento [5]	Cooling capacity [5]		kW	18 - 157
				kCal/h	15.000 - 135.000
	Fluido	Fluid		-	Olio - Oil
	Campo d'impiego	Temperature range		°C	÷30/÷200
	Controllo	Control		-	PID valvola a 3 vie PID 3 way valve
HYDRAULIC SECTION	Pompa	Pump		kW	0,55
				lt/min [4]	50
				Bar	2,5
	Vaso di accumulo	Storage tank		lt	12
	Attacchi idraulici	Hydraulic connections		ø P IN/OUT [1]	3/4"
				ø R [2]	3/4"
				ø S [3]	1/2"
GENERAL DATA	Precisione temperatura	Temperature accuracy		°C	+/- 1°C
ELECTRIC SECTION	Potenza totale installata	Total installed power		kW	3,5
	Tensione	Voltage		V/Ph/Hz	400/3/50
	Ausiliari	Auxiliaries		V	110
SIZES & WEIGHT	Ingombri	Sizes	mm	A	400
				B	800
				C	850
	Peso netto	Net weight		kg	110

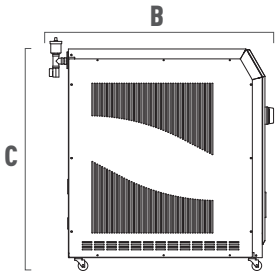
1. Processo	**1.** Process
2. Raffreddamento	**2.** Cooling
3. Scarico	**3.** Discharge
4. Valore a centro curva	**4.** Centre of curve value
5. Optional	**5.** Optional

TEMPERATURE CONTROL UNITS

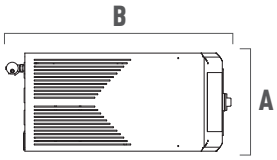
1209	1212	1218	1224
6	6	6 + 3	6 + 6
Elettrico - Electric			
PID Contattore - PID Contactor			
18 - 157			
15.000 - 135.000			
Olio - Oil			
÷30/÷200			
PID valvola a 3 vie / PID 3 way valve			
0,75			
90			
2,5			
12			
3/4''			
3/4''			
1/2''			
+/- 1°C			
6,5	6,8	9,8	12,8
400/3/50			
110			
400			
800			
850			
110			



Front view



Side view

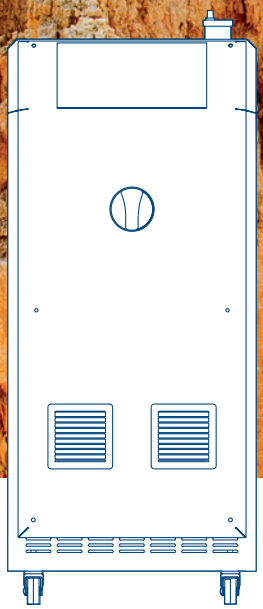


Top view

3FLEX

Termoregolatori ad acqua, potenza di riscaldamento 3 - 12 kW

Water temperature control units, heating capacity 3 - 12 kW



La serie **3FLEX** comprende unità di termoregolazione ad acqua con potenza di riscaldamento compresa tra 3 e 12 kW. La versione P accetta temperature acqua fino a 140°C e la versione HP fino a 160°C.

3FLEX line includes water temperature control units with heating capacity ranging from 3 to 12 kW. P version accepts water temperature up to 140°C and HP one up to 160°C.

TEMPERATURE CONTROL UNITS

4

MODELS

2

VERSIONS

WATER TCU
UP TO +160°C

STRUTTURA
Struttura autoportante su ruote con pannelli laterali asportabili in acciaio verniciato.

STRUCTURE
Structure with removable side-panels made of painted steel with castors.

RESISTENZA
Resistenza comandata da relé stato solidi (SSR).

HEATER
Heater controlled by solid state relays (SSR).

SCAMBIATORE
A piastre.

HEAT EXCHANGER
Plate-type.

POMPA
Versione P: centrifuga a bassa rumorosità.
Versione HP: periferica a trascinamento magnetico.

PUMP
P version: low noise, centrifugal pump.
HP version : magnetic drive, peripheral pump.

VASO ESPANSIONE
Vaso d'espansione aperto in inox, capacità 12 lt con pressurizzazione automatica oltre 80°C.
Caricamento automatico indipendente con elettrovalvola.

EXPANSION TANK
Stainless steel open expansion tank, capacity 12 lt with automatic pressurization over 80°C.
Automatic, independent filling system by solenoid valve.

VALVOLA 3-VIE
Valvola modulante 3-vie sul processo con funzione anticalcare (optional per versione P, standard per versione HP).

3-WAY VALVE
3-way modulating valve on process side with anti-scale function (optional for P-version, standard for HP-version).

BY-PASS
By-pass idraulico interno di sicurezza.

BY-PASS
Internal, hydraulic safety by-pass.

SCARICO ARIA
Automatico, con elettrovalvola.

AIR BREATHER
Automatic, by solenoid valve.

CONTROLLO
Sistema di controllo gestito da PLC con pannello touch screen 4,5" e COOLDOWN SOFTWARE (ciclo di raffreddamento automatico allo spegnimento della pompa).

CONTROL
PLC control system with 4.5 "touch screen panel and COOLDOWN SOFTWARE (automatic cooling cycle when the pump switches off).

VANTAGGI
Trasduttori di pressione per il controllo digitale della portata e delle pressioni di lavoro.
Pompa inverter (optional).

PLUSES
Pressure transducers for the digital control of the flow rate and of the working pressure.
Inverter pump (optional).

TEMPERATURE CONTROL UNITS

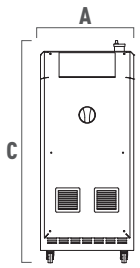
3FLEX-P

3FLEX-HP

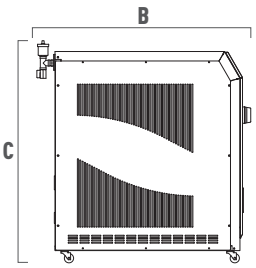
3FLEX-P					903	906	909	912
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		3	6	9	12
	Tipo	Type	-		Elettrico - Electric			
	Parzializzazione	Partialization	%					
	Controllo	Control	-					
COOLING SECTION	Potenza di raffreddamento	Cooling capacity	kW		105			
			kCal/h		90.000			
	Fluido	Fluid	-		Acqua - Water			
	Campo d'impiego	Temperature range	°C		+20 / +140			
	Controllo	Control	-					
HYDRAULIC SECTION	Pompa	Pump	kW		0,75			
			lt/min [4]		90			
			Bar		2,5			
	Vaso di accumulo	Storage tank	lt		12, under pressure			
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT [1]		1"			
			ø R [2]		1"			
			ø S [3]					
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C					
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		3,8	6,8	9,8	12,8
	Tensione	Voltage	V/Ph/Hz		400/3/50			
	Ausiliari	Auxiliaries	V		24			
SIZES & WEIGHT	Ingombri	Sizes	mm	A	400			
				B	920			
				C	950			
	Peso netto	Net weight	kg		95			

1. Processo	**1.** Process
2. Raffreddamento	**2.** Cooling
3. Scarico	**3.** Discharge
4. Valore a centro curva	**4.** Centre of curve value

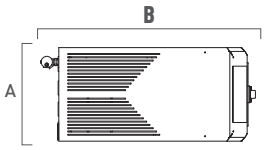
3FLEX-HP					903	906	909	912
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		3	6	9	12
	Tipo	Type	-		Elettrico - Electric			
	Parzializzazione	Partialization	%					
	Controllo	Control	-					
COOLING SECTION	Potenza di raffreddamento [5]	Cooling capacity [5]	kW		105			
			kCal/h		90.000			
	Fluido	Fluid	-		Acqua - Water			
	Campo d'impiego	Temperature range	°C		+20 / +160			
	Controllo	Control	-					
HYDRAULIC SECTION	Pompa	Pump	kW		1,60			
			lt/min [4]		90			
			Bar		2,5			
	Vaso di accumulo	Storage tank	lt		12, under pressure			
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT [1]		1"			
			ø R [2]		1"			
			ø S [3]					
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C					
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		4,6	7,6	10,6	13,6
	Tensione	Voltage	V/Ph/Hz		400/3/50			
	Ausiliari	Auxiliaries	V		24			
SIZES & WEIGHT	Ingombri	Sizes	mm	A	400			
				B	920			
				C	950			
	Peso netto	Net weight	kg		95			



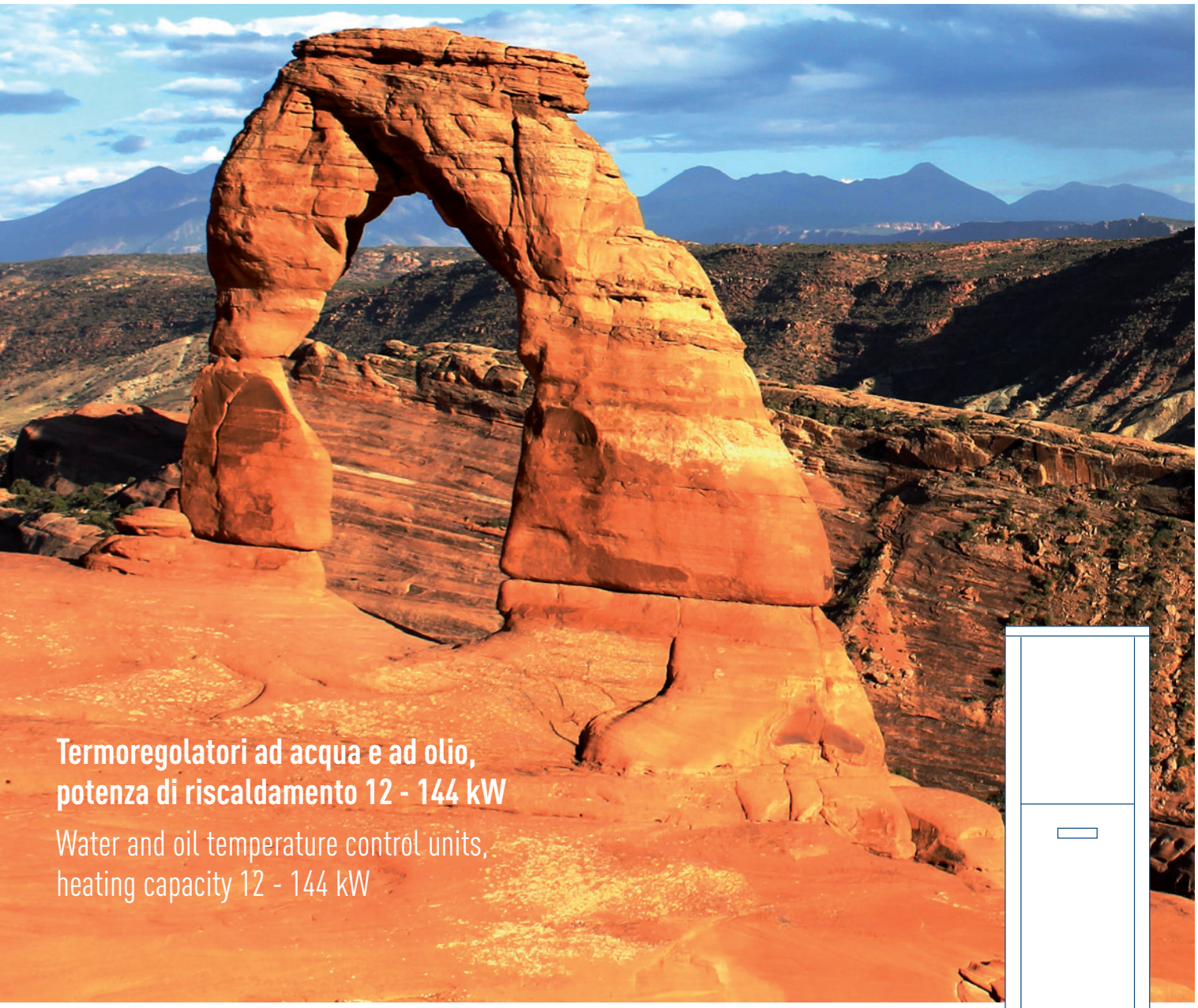
Front view



Side view

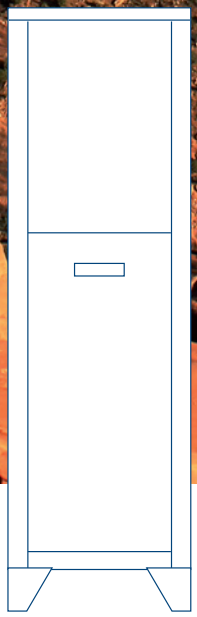


Top view



Termoregolatori ad acqua e ad olio, potenza di riscaldamento 12 - 144 kW

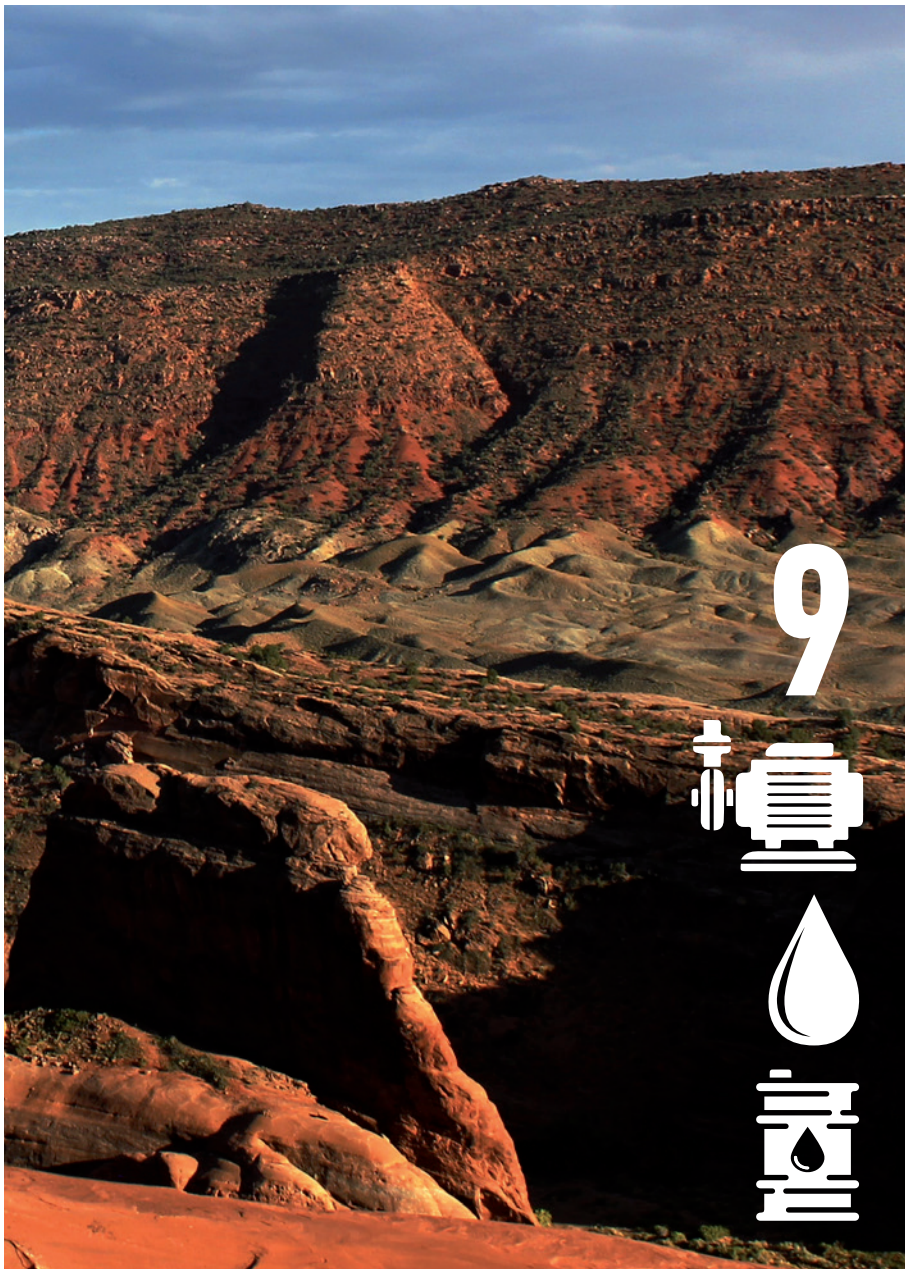
Water and oil temperature control units, heating capacity 12 - 144 kW



Le centraline di termoregolazione **ET** rappresentano la soluzione migliore per una corretta termoregolazione del processo. I modelli ad acqua sono dotati di pompe centrifughe a bassa rumorosità, mentre i modelli ad olio possono essere equipaggiati anche con pompe a trascinamento magnetico.

ET temperature control units are the best solution for the correct control of process temperature. Water models are fitted with low noise, centrifugal pumps, while oil units can be also supplied with magnetic drive pumps.

TEMPERATURE CONTROL UNITS



DIFFERENT SIZES

3 PUMP SIZES

WATER TCU UP TO +140°C

OIL TCU UP TO +300°C

ET

ETO[1]
Oil up to 200°C

ETO-S[1]
Oil up to 230°C

ETO-H[1]
Oil up to 300°C

ETW-A
Open tank, water up to 90°C

ETW-P
Closed tank, water up to 140°C

1. La serie ETO è quotata on demand.
The ETO line is quoted on demand.

STRUTTURA
Struttura autoportante con pannelli laterali asportabili in acciaio verniciato.

STRUCTURE
Self-standing structure with removable side-panels made of painted steel.

RESISTENZA
ETW/ETO/ETO-S: a flusso forzato.
ETO-H: resistenza corazzata.

HEATER
ETW/ETO/ETO-S: forced flow heater.
ETO-H: armored heater.

SCAMBIATORE
A piastre (optional).

HEAT EXCHANGER
Plate-type (optional).

POMPA
ETW/ETO/ETO-S: centrifuga a bassa rumorosità.
ETO-H: a trascinamento magnetico.

PUMP
ETW/ETO/ETO-S: low noise, centrifugal pump.
ETO-H: magnetic drive pump.

VASO ESPANSIONE
ETW-A: vaso espansione aperto in acciaio inox, capacità 50 lt.
ETW-P: vaso espansione chiuso in acciaio galvanizzato, capacità 24 lt.
ETO/ETO-S/ETO-H: vaso espansione aperto in acciaio inox, capacità 12/50 lt.

EXPANSION TANK
ETW-A: stainless steel, open expansion tank, capacity 50 lt.
ETW-P: galvanized steel, closed expansion tank, capacity 24 lt.
ETO/ETO-S/ETO-H: stainless steel, open expansion tank, capacity 12/50 lt.

BY-PASS
ETW: by-pass idraulico interno di sicurezza.

BY-PASS
ETW: internal, hydraulic safety by-pass.

SCARICO ARIA
ETW: automatico.
ETO: automatico al riempimento con elettrovalvola.

AIR BREATHER
ETW: automatic.
ETO: automatic air overflow on filling by solenoid valve.

CONTROLLO
Gefran 650 con display digitale e funzione PID sul riscaldamento e sul raffreddamento (se fornito).

CONTROL
Gefran 650 control system with digital display with PID function on heating and cooling (if supplied).

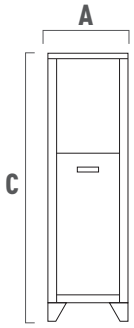
TEMPERATURE CONTROL UNITS

ETW-A					1512	1518	1524	2524
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		12	18	24	24
	Tipo	Type	-		Elettrico - Electric			
	Parzializzazione	Partialization	%					
	Controllo	Control	-					
COOLING SECTION	Potenza di raffreddamento [5]	Cooling capacity [5]	kW		18 - 52 - 105 - 157			
			kCal/h		15.000 - 45.000 - 90.000 - 135.000			
	Fluido	Fluid	-		Acqua - Water			
	Campo d'impiego	Temperature range	°C		+20 / +90			
	Controllo	Control	-					
HYDRAULIC SECTION	Pompa	Pump	kW		1,50			2,20
			lt/min [4]		100			200
			Bar		3,5			3,0
	Vaso di accumulo	Storage tank	lt		50, open type			
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT [1]		1"1/2 - 1"			2" - 1"1/4
			ø R [2]		1/2"			
			ø S [3]		1"			
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C					
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		13,5	19,5	25,5	26,2
	Tensione	Voltage	V/Ph/Hz		400/3/50			
	Ausiliari	Auxiliaries	V		110			
SIZES & WEIGHT	Ingombri	Sizes	mm	A				
				B				
				C				
	Peso netto	Net weight	kg		140			160

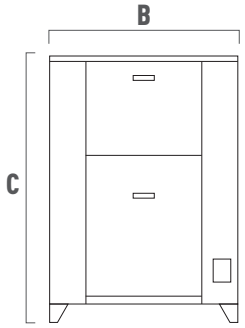
1. Processo	**1.** Process
2. Raffreddamento	**2.** Cooling
3. Scarico	**3.** Discharge
4. Valore a centro curva	**4.** Centre of curve value
5. Optional	**5.** Optional

TEMPERATURE CONTROL UNITS

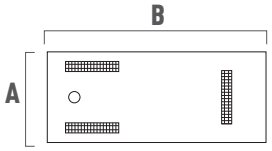
2536	2548	2572	3572	3596	35120	35144
36	48	72	72	96	120	144
Elettrico - Electric						
18 - 52 - 105 - 157						
15.000 - 45.000 - 90.000 - 135.000						
Acqua - Water						
+20 / +90						
2,20			4,00			
200			300			
3,0			3,5			
50, open type						
2" - 1"1/4			2"1/2 - 1"1/2			
1/2"						
1"						
36,2	50,2	74,2	76,0	100,0	124,0	148,0
400/3/50						
110						
160			200			



Front view



Side view



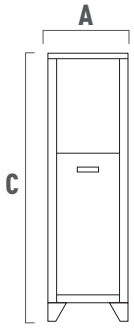
Top view

ETW-P					1512	1518	1524	2524
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		12	18	24	24
	Tipo	Type	-		Elettrico - Electric			
	Parzializzazione	Partialization	%					
	Controllo	Control	-					
COOLING SECTION	Potenza di raffreddamento [5]	Cooling capacity [5]	kW		18 - 52 - 105 - 157			
			kCal/h		15.000 - 45.000 - 90.000 - 135.000			
	Fluido	Fluid	-		Acqua - Water			
	Campo d'impiego	Temperature range	°C		+20 / +140			
	Controllo	Control	-					
HYDRAULIC SECTION	Pompa	Pump	kW		1,50			2,20
			lt/min [4]		100			200
			Bar		3,5			3,0
	Vaso di accumulo	Storage tank	lt		24, under pressure			
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT [1]		1"1/2 - 1"			2" - 1"1/4
			ø R [2]		1/2"			
			ø S [3]		1"			
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C					
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		13,5	19,5	25,5	26,2
	Tensione	Voltage	V/Ph/Hz		400/3/50			
	Ausiliari	Auxiliaries	V		110			
SIZES & WEIGHT	Ingombri	Sizes	mm	A				
				B				
				C				
	Peso netto	Net weight	kg		140			160

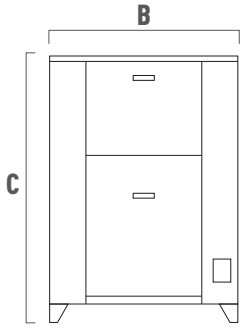
1. Processo	**1.** Process
2. Raffreddamento	**2.** Cooling
3. Scarico	**3.** Discharge
4. Valore a centro curva	**4.** Centre of curve value
5. Optional	**5.** Optional

TEMPERATURE CONTROL UNITS

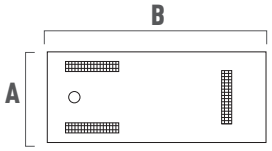
2536	2548	2572	3572	3596	35120	35144
36	48	72	72	96	120	144
Elettrico - Electric						
18 - 52 - 105 - 157						
15.000 - 45.000 - 90.000 - 135.000						
Acqua - Water						
+20 / +140						
2,20			4,00			
200			300			
3,0			3,5			
24, under pressure						
2" - 1"1/4			2"1/2 - 1"1/2			
1/2"						
1"						
36,2	50,2	74,2	76,0	100,0	124,0	148,0
400/3/50						
110						
160			200			



Front view



Side view



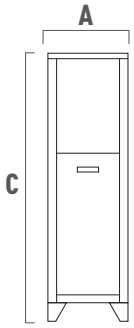
Top view

ETO					1512	1518	1524	2524
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		12	18	24	24
	Tipo	Type	-		Elettrico - Electric			
	Parzializzazione	Partialization	%		-			
	Controllo	Control	-		PID Contattore - PID Contactor			
COOLING SECTION	Potenza di raffreddamento [5]	Cooling capacity [5]	kW		18 - 157			
			kCal/h		15.000 - 135.000			
	Fluido	Fluid	-		Olio - Oil			
	Campo d'impiego	Temperature range	°C		÷30/÷200			
	Controllo	Control	-		PID valvola a 3 vie – PID 3 way valve			
HYDRAULIC SECTION	Pompa	Pump	kW		1,50			2,20
			lt/min [4]		100			200
			Bar		3,0			3,0
	Vaso di accumulo	Storage tank	lt		60			
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT [1]		1"1/2 - 1"			2" - 1"1/4
			ø R [2]		1" - 1"1/4			
			ø S [3]		1/2"			
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C		+/- 1°C			
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		13,5	19,5	25,5	26,5
	Tensione	Voltage	V/Ph/Hz		400/3/50			
	Ausiliari	Auxiliaries	V		110			
SIZES & WEIGHT	Ingombri	Sizes	mm	A	500			500
				B	110			1200
				C	1.500			1700
	Peso netto	Net weight	kg		180			210

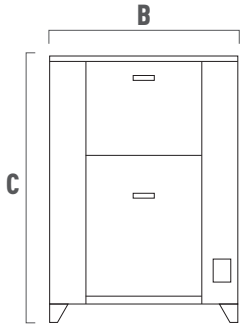
1. Processo	**1.** Process
2. Raffreddamento	**2.** Cooling
3. Scarico	**3.** Discharge
4. Valore a centro curva	**4.** Centre of curve value
5. Optional	**5.** Optional

TEMPERATURE CONTROL UNITS

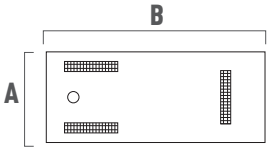
2536	2548	2572	3572	3596	35120	35144
2*18	2*24	3*24	3*24	4*24	5*24	6*24
Elettrico - Electric						
Optional						
PID Contattore - PID Contactor						
18 - 157						
15.000 - 135.000						
Olio - Oil						
÷30/÷200						
PID valvola a 3 vie – PID 3 way valve						
2,20			4,00			
200			300			
3,0			3,0			
60						
2" - 1"1/4			2"1/2 - 2"			
1" - 1"1/4						
1/2"						
+/- 1°C						
38,2	50,2	74,2	76,0	100,0	124,0	148,0
400/3/50						
110						
500		700			800	
1200		1220			1570	
1700		2100			2100	
210		350			420	



Front view



Side view



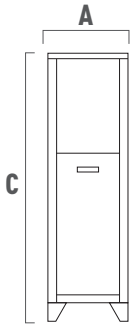
Top view

ETO-S					1512	1518	1524	2524
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		12	18	24	24
	Tipo	Type	-		Elettrico - Electric			
	Parzializzazione	Partialization	%		-			
	Controllo	Control	-		PID Contattore - PID Contactor			
COOLING SECTION	Potenza di raffreddamento [5]	Cooling capacity [5]	kW		18 – 52 – 105 – 157			
			kCal/h		15.000 – 45.000 – 90.000 – 135.000			
	Fluido	Fluid	-		Olio - Oil			
	Campo d'impiego	Temperature range	°C		÷30/÷230			
	Controllo	Control	-		PID valvola a 3 vie – PID 3 way valve			
HYDRAULIC SECTION	Pompa	Pump	kW		1,50			2,20
			lt/min [4]		100			200
			Bar		3,5			3,0
	Vaso di accumulo	Storage tank	lt		60			
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT [1]		1"1/2 - 1"			2" - 1"1/4
			ø R [2]		1"1/4 - 1"			
			ø S [3]		1/2"			
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C		+/- 1°C			
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		13,5	19,5	25,5	26,5
	Tensione	Voltage	V/Ph/Hz		400/3/50			
	Ausiliari	Auxiliaries	V		110			
SIZES & WEIGHT	Ingombri	Sizes	mm	A	500			500
				B	110			1200
				C	1500			1700
	Peso netto	Net weight	kg		180			210

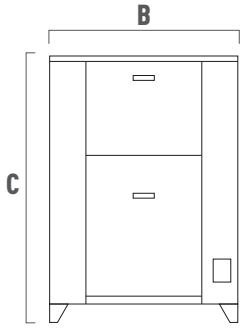
1. Processo	**1.** Process
2. Raffreddamento	**2.** Cooling
3. Scarico	**3.** Discharge
4. Valore a centro curva	**4.** Centre of curve value
5. Optional	**5.** Optional

TEMPERATURE CONTROL UNITS

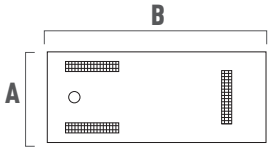
2536	2548	2572	3572	3596	35120	35144
2*18	2*24	3*24	3*24	4*24	5*24	6*24
Elettrico - Electric						
Optional						
PID Contattore - PID Contactor						
18 - 52 - 105 - 157						
15.000 – 45.000 – 90.000 – 135.000						
Olio - Oil						
÷30/÷230						
PID valvola a 3 vie – PID 3 way valve						
2,20			4,00			
200			300			
3,0			3,5			
60						
2" - 1"1/4			2"1/2 - 1"1/2			
1"1/4 - 1"						
1/2"						
+/- 1°C						
38,2	50,2	74,2	76,0	100,0	124,0	148,0
400/3/50						
110						
500		700			800	
1200		1220			1570	
1700		2100			2100	
210		350			420	



Front view



Side view



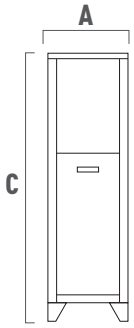
Top view

ETO-H					1512	1518	1524	2524
HEATING SECTION	Potenza di riscaldamento	Heating capacity	kW		12	18	24	24
	Tipo	Type	-		Elettrico - Electric			
	Parzializzazione	Partialization	%		-			
	Controllo	Control	-		PID SSR			
COOLING SECTION	Potenza di raffreddamento [5]	Cooling capacity [5]	kW		18 - 157			
			kCal/h		15.000 - 135.000			
	Fluido	Fluid	-		Olio - Oil			
	Campo d'impiego	Temperature range	°C		÷30/÷300			
	Controllo	Control	-		PID valvola a 3 vie – PID 3 way valve			
HYDRAULIC SECTION	Pompa	Pump	kW		3,00			4,00
			lt/min [4]		100			200
			Bar		3,4			3,4
	Vaso di accumulo	Storage tank	lt		60			
	Attacchi idraulici	Hydraulic connections	ø P IN/OUT [1]		DN 25			DN 40
			ø R [2]		1¨1/4 - 1¨			
			ø S [3]		1/2¨			
GENERAL DATA	Precisione temperatura	Temperature accuracy	°C		+/- 1°C			
ELECTRIC SECTION	Potenza totale installata	Total installed power	kW		15,0	21,0	27,0	28,0
	Tensione	Voltage	V/Ph/Hz		400/3/50			
	Ausiliari	Auxiliaries	V		24 Vdc			
SIZES & WEIGHT	Ingombri	Sizes	mm	A	500			500
				B	1200			1200
				C	1700			1700
	Peso netto	Net weight	kg		210			250

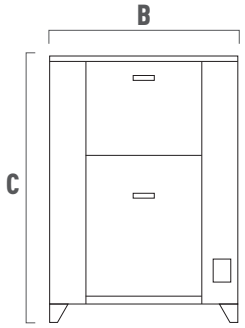
1. Processo	**1.** Process
2. Raffreddamento	**2.** Cooling
3. Scarico	**3.** Discharge
4. Valore a centro curva	**4.** Centre of curve value
5. Optional	**5.** Optional

TEMPERATURE CONTROL UNITS

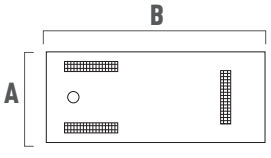
2536	2548	2575	3575	35100	35125	35150
2*18	2*24	3*25	3*25	4*25	5*25	6*25
Elettrico - Electric						
Optional						
PID SSR						
18 - 157						
15.000 - 135.000						
Olio - Oil						
÷30/÷300						
PID valvola a 3 vie – PID 3 way valve						
4,00			7,50			
200			300			
3,4			3,4			
60						
DN 40			DN 65			
1"1/4 - 1"						
1/2"						
+/- 1°C						
40,0	52,0	79,0	82,5	107,5	132,5	157,5
400/3/50						
24 Vdc						
500		700			800	
1200		1220			1570	
1700		2100			2100	
250		350			480	



Front view



Side view

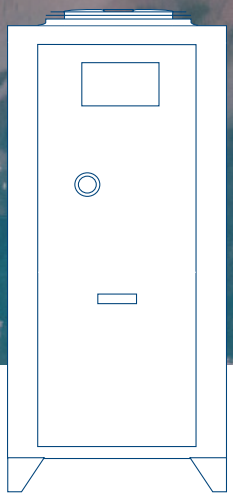


Top view

ROSSOBLU

Refrigeratori bordo macchina con funzioni di raffreddamento e riscaldamento, potenza frigorifera nominale 13 - 130 kW

Beside-the-machine chillers with both cooling and heating functions, nominal cooling capacity 13 – 130 kW



La serie **ROSSOBLU** è composta da refrigeratori a 1, 2 o 3 zone a bordo macchina che regolano automaticamente il funzionamento a seconda della richiesta di caldo o freddo proveniente dal prodotto, con controllo della temperatura decimale grazie alle funzione proporzionale delle valvole a 3 vie.

The **ROSSOBLU** line consists of chillers with 1, 2 or 3 zones to be placed on machine side, automatically adjusting their operation according to the heating or cooling demand which comes from the product, with temperature accuracy to tenth of degree thanks to a 3-way proportional valve.

DIFFERENT SIZES

AIR OR WATER COOLED

HEAT & COOL, UP TO 3 DIFFERENT TEMPERATURES

0,3°C ACCURANCY

SCROLL COMPRESSORS

REFRIGERANT R407C

ROSSOBLU

RB-A Axial fans

RB-C Centrifugal fans

RB-W

DESIGN CONDITIONS - ROSSOBLU			
VERSION	**T Water**	**T Air**	**Refrigerant**
Standard A/C	+5/+90°C	+40°C	R407C
T	+5/+90°C	+45°C	R407C
BT	-5/+90°C	+40°C	R407C
VERSION	**T Water**	**T Condensing water**	**Refrigerant**
Standard W	+5/+90°C	+10/+40°C	R407C
BT	-5/+90°C	+10/+40°C	R407C

STRUTTURA
Struttura autoportante in acciaio verniciato.

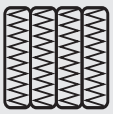
STRUCTURE
Self-standing structure made of painted steel.

COMPRESSORI
Compressori Scroll ad alto rendimento.

COMPRESSORS
Highly efficient scroll compressors.

VENTILATORI
Le unità condensate ad aria possono essere dotate di ventilatori assiali (serie A) o centrifughi (serie C).

FANS
The air-cooled units can be fitted either with axial (A series) or centrifugal (C series) fans.



CONDENSATORE
Condensatori a pacco alettato.

CONDENSER
Finned type condensers.

EVAPORATORE
Evaporatore a piastre saldo brasate.

EVAPORATOR
Brazed-plate evaporator

POMPA E SERBATOIO
Le pompe di processo sono di tipo centrifugo ad alta prevalenza e sono realizzate, come il serbatoio, in acciaio inox.

PUMP AND TANK
Units are supplied with centrifugal, high pressure pump. Both pumps and tank are made of stainless steel.

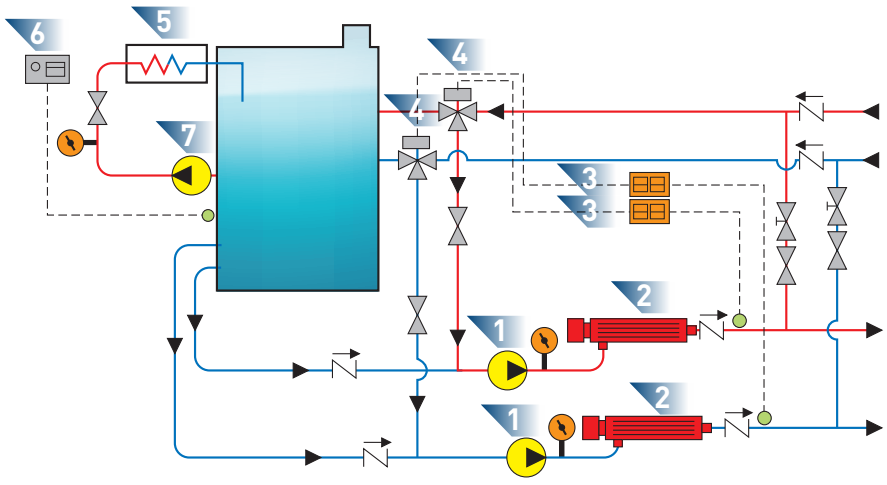
CIRCUITO DI TERMOREGOLAZIONE
Composto da resistenze elettriche con valvola modulante per il controllo accurato della temperatura (+/- 0,3°C).

TEMPERATURE CONTROL CIRCUIT
Consisting of electric heaters with modulating valve for accurate temperature control (+/- 0,3°C).

CONTROLLO
Pannello a microprocessore con funzione PID.

CONTROL
Microprocessor control panel with PID function.

TEMPERATURE CONTROL UNITS



1.	Pompa di processo
2.	Resistenza di riscaldamento
3.	Termoregolatore
4.	Valvola a tre vie
5.	Evaporatore
6.	Pannello di controllo
7.	Pompa di ricircolo

1.	Process pump
2.	Heater
3.	Temperature controller
4.	3-way valve
5.	Evaporator
6.	Control panel
7.	Recycle pump

ROSSOBLU					9			12			18		
					A	C	W	A	C	W	A	C	W
COOLING SECTION	Potenza di raffreddamento	Cooling capacity	kW [1]		12,9			15,5			19,4		
			kCal/h [1]		11.094			13.330			16.684		
HEATING SECTION	Potenza di riscaldamento	Heating capacity	KW	1T	6			6			6		
				2T	2 x 6			2 x 6			2 x 6		
				3T	-			-			-		
REFRIGERANT SECTION	Gas	Refrigerant	Type		R407C			R407C			R407C		
	Assorbimento max.	Max. absorption	kW [1]	1T	2,4			2,7			3,5		
				2T									
				3T	-			-			-		
HYDRAULIC SECTION	Pompa di ricircolo	Circulation pump	kW		0,37			0,37			0,37		
	Pompa di processo 1T	Process pump 1T	m3/h [2]		2,3			2,8			3,5		
			Bar [2]		2,8			2,7			2,8		
			kW [2]		0,55			0,55			0,75		
	Pompa di processo 2T	Process pump 2T	m3/h [2]		2 x 1,1			2 x 1,4			2 x 1,7		
			Bar [2]		2,2			2,6			2,9		
			kW [2]		2 x 0,3			2 x 0,3			2 x 0,55		
	Pompa di processo 3T	Process pump 3T	m3/h [2]		-			-			-		
			Bar [2]		-			-			-		
			kW [2]		-			-			-		
	Attacchi idraulici	Hydraulic connections	Ø		1"			1"			1"		
CONDENSER SECTION	Ventilatori	Fans	nr		1	1	-	1	1	-	1	1	-
			kW total		0,78	2,20	-	0,78	2,20	-	0,78	2,20	-
			m3/h total				-			-			-
	Pressione min. richiesta dal condensatore	Min. pressure required from condenser	Bar		-	-	2,5	-	-	2,5	-	-	2,5
	Portata acqua al condensatore	Water flow to the condenser	m3/h [1]		-	-	2,7	-	-	3,2	-	-	4,0
ELECTRIC SECTION	Potenza assorbita	Absorbed power	kW [1]	1T	10,1	11,5	9,3	10,4	11,8	9,6	11,4	12,9	10,7
				2T	16,1	17,5	15,3	16,4	17,9	15,7	17,8	19,2	17,0
				3T	-	-	-	-	-	-	-	-	-
	Potenza installata	Installed power	kW	1T	12,0	13,4	11,2	12,6	14,0	11,8	14,3	15,7	13,5
				2T	18,1	19,5	17,3	18,6	20,1	17,9	20,6	22,0	19,8
				3T	-	-	-	-	-	-	-	-	-
	Tensione	Voltage	V/Ph/Hz [4]		400/3/50			400/3/50			400/3/50		
GENERAL DATA	Livello sonoro	Sound level	dB(A) [3]		52			52			52		
	Temperatura max. aria/acqua di condensazione	Max. air/condensing water temperature	°C		40			40			40		
SIZES & WEIGHT	Ingombri	Sizes	mm	A	705	705	705	705	705	705	705	705	705
				B	1.225	1.225	1.225	1.225	1.225	1.225	1.225	1.225	1.225
				C	1.765	1.925	1.605	1.765	1.925	1.605	1.765	1.925	1.605
	Peso netto	Net weight	kg	1T	170			180			210		
				2T	205			220			250		
				3T	-			-			-		
	Peso in funzione	Full load weight	kg	1T	230			240			270		
				2T	265			280			320		
				3T	-			-			-		

1. A/C: +15°C Acqua in uscita/+25°C Ambiente
W: +15°C Acqua in uscita/+30°C Acqua al condensatore

2. Pompe speciali fornibili su richiesta

3. A 10 mt di distanza in campo libero, riferito a versione RB-A

4. Tensioni diverse quotabili su richiesta

1. A/C: +15°C Outlet water/+25°C Ambient air
W: +15°C Outlet water/+30°C Water to condenser

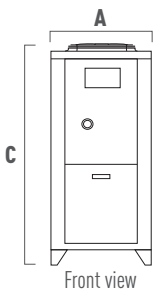
2. Different pumps are quoted on demand

3. At 10 mt distance in free field, referred to RB-A version

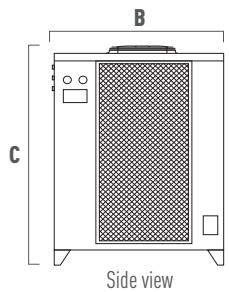
4. Different voltages are quoted on demand

TEMPERATURE CONTROL UNITS

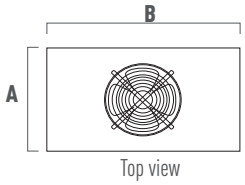
25			35			45			55			70			90			110		
A	C	W	A	C	W	A	C	W	A	C	W	A	C	W	A	C	W	A	C	W
33,1			40,0			47,6			55,9			74,0			94,1			129,9		
28.466			34.400			40.936			48.074			63.640			80.926			111.714		
12			12			18			18			18			18			18		
2 x 12			2 x 12			2 x 18			2 x 18			2 x 18			2 x 18			2 x 18		
2 x 12			2 x 12			2 x 18			2 x 18			2 x 18			2 x 18			2 x 18		
R407C			R407C			R407C			R407C			R407C			R407C			R407C		
5,7			6,9			8,2			10,1			13,0			16,6			23,1		
0,55			0,55			1,10			1,10			1,50			1,50			1,50		
5,9			7,1			8,5			10,0			13,2			16,8			23,2		
3,2			2,8			2,8			2,7			3,0			3,1			2,7		
1,10			1,10			1,85			1,85			2,20			3,00			3,00		
2 x 3,0			2 x 3,6			2 x 4,2			2 x 5,0			2 x 6,6			2 x 8,4			2 x 11,6		
2,6			2,5			2,6			2,6			3,0			2,8			2,8		
2 x 0,55			2 x 0,55			2 x 0,75			2 x 0,90			2 x 1,10			2 x 1,85			2 x 1,85		
3 x 2,00			3 x 2,40			3 x 2,80			3 x 3,30			3 x 4,40			3 x 5,60			3 x 7,70		
2,9			2,8			2,9			2,8			2,7			3,3			2,6		
3 x 0,55			3 x 0,55			3 x 0,75			3 x 0,75			3 x 0,90			3 x 1,10			3 x 1,10		
1"1/2			1"1/2			1"1/2			1"1/2			1"1/2			1"1/2			1"1/2		
2	1	-	2	1	-	2	1	-	2	1	-	2	2	-	2	2	-	2	2	-
1,56	2,20	-	1,56	2,20	-	1,56	7,50	-	1,56	7,50	-	1,78	4,50	-	2,88	8,00	-	2,88	8,00	-
		-			-			-			-			-			-			-
-	-	2,5	-	-	2,5	-	-	2,5	-	-	2,5	-	-	2,5	-	-	2,5	-	-	2,5
-	-	6,7	-	-	8,1	-	-	9,6	-	-	11,5	-	-	15,0	-	-	19,1	-	-	26,5
20,9	23,7	19,3	22,1	25,0	20,6	30,7	44,1	29,1	32,6	46,1	31,1	36,5	37,7	34,7	42,0	47,1	39,1	48,5	53,6	45,6
32,9	35,7	31,3	34,1	37,0	32,6	48,4	61,8	46,8	50,6	64,0	49,0	54,5	55,7	52,7	60,7	65,8	57,8	67,2	72,3	64,3
33,5	36,3	31,9	34,7	37,5	33,1	49,1	62,5	47,5	51,0	64,5	49,5	73,0	74,2	71,2	78,3	83,4	75,4	84,8	89,9	81,9
24,9	27,8	23,4	26,9	29,8	25,4	36,9	50,4	35,4	40,0	53,4	38,4	48,7	49,9	46,9	56,3	61,4	53,4	68,0	73,2	65,2
36,9	39,8	35,4	38,9	41,8	37,4	54,6	68,0	53,0	57,9	71,4	56,4	66,7	67,9	64,9	75,0	80,1	72,1	86,7	91,9	83,8
37,5	40,3	35,9	39,5	42,3	37,9	55,3	68,8	53,8	58,4	71,8	56,8	85,2	86,4	83,4	92,6	97,7	89,7	104,3	109,5	101,5
400/3/50			400/3/50			400/3/50			400/3/50			400/3/50			400/3/50			400/3/50		
55			55			55			26			56			58			59		
40			40			40			40			40			40			40		
800	800	800	800	800	800	800	800	800	800	800	800	1.055	1.055	1.055	1.055	1.055	1.055	1.055	1.055	1.055
1.570	1.570	1.570	1.570	1.570	1.570	1.570	1.570	1.570	1.570	1.570	1.570	2.410	2.410	2.410	2.410	2.410	2.410	2.410	2.410	2.410
1.810	2.105	1.675	1.810	2.105	1.675	1.810	2.105	1.675	1.810	2.105	1.675	1.925	2.205	1.755	1.925	2.205	1.755	1.925	2.205	1.755
280			295			340			355			610			680			750		
320			335			370			395			650			720			790		
365			380			400			440			685			765			835		
370			385			430			445			800			870			940		
410			425			460			485			840			910			980		
455			470			490			530			875			955			1.025		



Front view



Side view

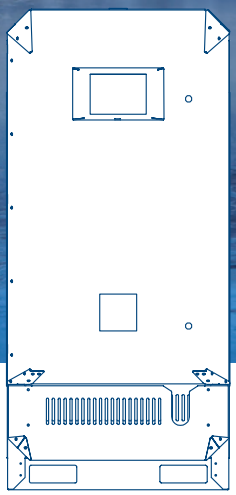


Top view

ICEtemp

Refrigeratori bordo macchina con funzioni di raffreddamento e riscaldamento, potenza frigorifera nominale 4 - 94 kW

Beside-the-machine chillers with both cooling and heating functions, nominal cooling capacity 4 - 94 kW



ICETEMP è un refrigeratore condensato ad acqua per installazione interna dedicata al controllo di precisione della temperatura degli stampi delle presse ad iniezione. Le principali caratteristiche di questa linea di macchine sono un accurato controllo della temperatura (+/- 0,1°C) direttamente nel punto di utilizzo e la possibilità di erogare grandi portate d'acqua ad alta pressione per ridurre le differenze di temperatura nello stampo.

ICETEMP is a water cooled chiller for indoor installation suitable for the precise temperature control of injection moulds. The main features of the ICETEMP are an accurate temperature control (+/-0,1°C) at the mould and the facility to provide high water flow rates with increased pressure to reduce Delta T on the mould.

DIFFERENT SIZES

WATER COOLED

INTEGRATED FREE-COOLING

HEAT & COOL, UP TO 2 DIFFERENT TEMPERATURES

0,1°C ACCURANCY

SCROLL COMPRESSORS

REFRIGERANT R407C

ICEtemp

- **1T**
  - **Standard version** — Cooling* only
  - **Plus version** — Cooling* or heating
- **2T**
  - **Standard version** — Cooling* only
  - **Plus version** — Cooling * and heating

DESIGN CONDITIONS - ICEtemp

VERSION	T Water	T Condensing water	Refrigerant
Standard	+12/+30°C	+20/+35°C	R407C
Plus	+8/+90°C	+20/+35°C	R407C

* Disponibile anche in versione con free-cooling integrato (optional)
* Free-cooling version also available (optional)

STRUTTURA
Struttura autoportante in lamiera verniciata.

STRUCTURE
Self-standing structure made of painted steel.

COMPRESSORI
Compressori ermetici Scroll (Gas R407C) di nuova generazione ad alto rendimento.

COMPRESSORS
Highly efficient, new generation, hermetic Scroll compressors (Refrigerant R407C).

CONDENSATORE
Condensatore a fascio tubiero ispezionabile (funzionamento anche con acqua di rete o di torre).

CONDENSER
Inspectable shell and tube condenser (useful also when using mains water or cooling tower).

EVAPORATORE
Evaporatore a piastre saldo brasate.

EVAPORATOR
Brazed-plate evaporator.

POMPA E SERBATOIO
Pompe ad alta prevalenza per turbolenziare il circuito dello stampo. Il serbatoio, come le pompe, è realizzato in acciaio inox.

PUMP AND TANK
High pressure pumps to create turbulent flow in the mould. Tank, as much as pumps, is made of stainless steel.

CIRCUITO DI TERMOREGOLAZIONE
Regolazione di precisione della temperatura dell'acqua refrigerata nell'immediatezza del punto d'utilizzo mediante l'utilizzo di valvola modulante (precisione +/- 0,1°C).

TEMPERATURE CONTROL CIRCUIT
Accurate temperature control of the process at the mould thanks to the use of a modulating valve (accuracy +/-0,1°C).

CONTROLLO
Pannello di comando touch-screen 7" con PLC customizzato.

CONTROL
7" touch-screen panel with customized PLC.

TEMPERATURE CONTROL UNITS

ICEtemp-1T					1	3		6		9	
					STND	STND	PLUS	STND	PLUS	STND	PLUS
COOLING SECTION	Potenza di raffreddamento	Cooling capacity	kW [1]		3,9	6,5		8,4		12,9	
			kCal/h [1]		3.354	5.590		7.224		11.094	
REFRIGERANT SECTION	Gas	Refrigrant	Type		R134a	R407C		R407C		R407C	
	Compressori	Compressors	Qt.		1	1		1		1	
	Circuiti	Circuits	Qt.		1	1		1		1	
	Assorbimento max.	Max. absorption	kW [1]		0,9	1,2		1,5		2,4	
COLD WATER CIRCUIT	Portata pompa ricircolo	Circulation pump flow rate	m3/h		-	-		-		-	
	Assorbimento	Absorption	kW		-	-		-		-	
	Serbatoio	Tank	Qt.		15	30		30		30	
TEMPERATURE CONTROLLED WATER CIRCUIT	Portata pompa di processo	Process pump flow rate	m3/h min/max [2]		0-6	0,7 - 2,4		0,7 - 2,4		1,2 - 4,4	
	Pressione	Pressure	Bar min/max [2]		2,3 - 3,6	2,1 - 4,2		2,3 - 4,8		1,5 - 4,2	
	Assorbimento	Absorption	kW [2]		0,8	0,6		0,6		0,5	
	Attacchi idraulici	Hydraulic connections	Ø		1"	1"		1"		1"	
	Resistenza	Heater	kW		-	-	3	-	3	-	6
FREE-COOLING SECTION	Potenza di raffreddamento	Cooling capacity	kW [5]		3,5	5,6		7,2		10,9	
			kCal/h [5]		3.010	4.816		6.192		9.374	
CONDENSER SECTION	Portata acqua di condensazione	Water flow rate to the condenser	m3/h [1]		0,9	1,4		1,8		2,7	
	Pressione	Pressure	Bar min		2,0	2,0		2,0		2,0	
	Temperatura acqua di condensazione	Condensing water temperature	°C max		45	45		45		45	
ELECTRIC SECTION	Potenza assorbita	Absorbed power	kW [1]		1,60	1,7	4,7	2,0	5,0	2,9	8,9
	Potenza installata	Installed power	kW		0,8	2,8	5,8	3,5	6,5	5,1	11,1
	Tensione	Voltage	V/Ph/Hz [4]		400/3/50	400/3/50		400/3/50		400/3/50	
GENERAL DATA	Livello sonoro	Sound level	dB(A) [3]		58	45		45		47	
SIZES & WEIGHT	Ingombri	Sizes	mm	A	930	480		480		480	
				B	400	1.120		1.120		1.120	
				C	940	1.330		1.330		1.330	
	Peso netto	Net weight	kg		130	180	190	180	190	180	190
	Peso in funzione	Full load weight	kg								

1. +15°C Acqua in uscita/+30°C Acqua al condensatore

2. Pompe speciali fornibili su richiesta

3. A 10 mt di distanza in campo libero

4. Tensioni diverse quotabili su richiesta

5. ΔT 5°C tra acqua in uscita ed aria (solo per versioni FC-PLUS)

1. +15°C Outlet water/+30°C Water to condenser

2. Different pumps are quoted on demand

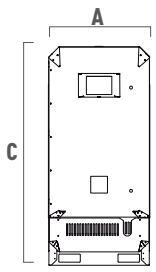
3. At 10 mt distance in free field

4. Different voltages are quoted on demand

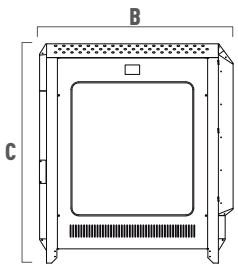
5. ΔT 5°C between outlet water and air (only FC-PLUS versions)

TEMPERATURE CONTROL UNITS

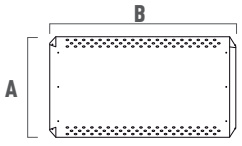
15		20		25		30		40		50		65		80	
STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS
17,9		25,9		33,1		40,0		47,6		55,9		74,0		94,1	
15.394		22.274		28.466		34.400		40.936		48.074		63.640		80.926	
R407C		R407C		R407C		R407C		R407C		R407C		R407C		R407C	
1		1		1		1		1		1		1		1	
1		1		1		1		1		1		1		1	
3,3		4,6		5,7		6,9		8,2		10,1		13,0		16,6	
-		-		-		-		-		-		-		-	
-		-		-		-		-		-		-		-	
30		90		90		90		90		140		140		140	
2,4 - 8,5		2,4 - 8,5		2,4 - 8,5		5,0 - 14		5,0 - 14		8,0 - 24,0		8,0 - 24,0		8,0 - 24,0	
1,6 - 3,7		2,0 - 4,4		2,8 - 5,8		1,8 - 3,4		2,4 - 4,5		2,1 - 4,0		2,1 - 4,0		2,7 - 5,3	
0,8		1,1		1,1		1,1		1,5		2,2		2,2		3,0	
1"		1"1/4		1"1/4		1"1/4		1"1/4		2"		2"		2"	
-	6	-	12	-	12	-	12	-	12	-	18	-	18	-	18
15,2		22,5		27,7		34,0		40,3		48,1		63,9		80,8	
13.072		19.350		23.822		29.240		34.658		41.366		54.954		69.488	
3,8		5,4		6,9		8,3		9,9		11,7		15,4		19,6	
2,0		2,0		2,0		2,0		2,0		2,0		2,0		2,0	
45		45		45		45		45		45		45		45	
4,0	10,0	5,7	17,7	6,8	18,8	8,0	20,0	9,7	21,7	12,3	30,3	15,2	33,2	19,6	37,6
7,0	13,0	9,7	21,7	11,4	23,4	13,7	25,7	17,0	29,0	20,8	38,8	27,4	45,4	33,8	51,8
400/3/50		400/3/50		400/3/50		400/3/50		400/3/50		400/3/50		400/3/50		400/3/50	
47		47		52		52		52		53		56		58	
480		750		750		750		750		750		750		750	
1.120		1.445		1.445		1.445		1.445		1.760		1.760		1.760	
1.330		1.635		1.635		1.635		1.635		1.635		1.635		1.635	
190	200	280	300	300	320	330	350	350	370	580	610	630	650	750	770



Front view



Side view



Top view

ICEtemp-2T				3		6		9		15	
				STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS
COOLING SECTION	Potenza di raffreddamento	Cooling capacity	kW [1]	6,5		8,4		12,9		17,9	
			kCal/h [1]	5.590		7.224		11.094		15.394	
REFRIGERANT SECTION	Gas	Refrigrant	Type	R407C		R407C		R407C		R407C	
	Compressori	Compressors	Qt.	1		1		1		1	
	Circuiti	Circuits	Qt.	1		1		1		1	
	Assorbimento max.	Max. absorption	kW [1]	1,2		1,5		2,4		3,3	
COLD WATER CIRCUIT	Portata pompa ricircolo	Circulation pump flow rate	m3/h	1,00		1,20		1,90		2,60	
	Assorbimento	Absorption	kW	0,3		0,3		0,3		0,4	
	Serbatoio	Tank	Qt.	30		30		30		30	
TEMPERATURE CONTROLLED WATER CIRCUIT (x2)	Portata pompa di processo	Process pump flow rate	m3/h min/max [2]	0,7 - 2,4		0,7 - 2,4		0,7 - 2,4		1,2 - 4,4	
	Pressione	Pressure	Bar min/max [2]	1,5 - 3,4		1,5 - 3,4		2,1 - 4,2		1,5 - 4,2	
	Assorbimento	Absorption	kW [2]	0,3		0,3		0,6		0,5	
	Attacchi idraulici	Hydraulic connections	Ø	1"		1"		1"1/4		1"1/4	
	Resistenza	Heater	kW	-	3	-	3	-	6	-	6
FREE-COOLING SECTION	Potenza di raffreddamento	Cooling capacity	kW [5]	5,6		7,2		10,9		15,2	
			kCal/h [5]	4.816		6.192		9.374		13.072	
CONDENSER SECTION	Portata acqua di condensazione	Water flow rate to the condenser	m3/h [1]	1,4		1,8		2,7		3,8	
	Pressione	Pressure	Bar min	2,0		2,0		2,0		2,0	
	Temperatura acqua di condensazione	Condensing water temperature	°C max	45		45		45		45	
ELECTRIC SECTION	Potenza assorbita	Absorbed power	kW [1]	2,1		2,4	8,4	3,8	15,8	4,7	16,7
	Potenza installata	Installed power	kW	3,2		3,8	9,8	6,0	18,0	7,6	19,6
	Tensione	Voltage	V/Ph/Hz [4]	400/3/50		400/3/50		400/3/50		400/3/50	
GENERAL DATA	Livello sonoro	Sound level	dB(A) [3]	45		45		47		47	
SIZES & WEIGHT	Ingombri	Sizes	mm A	480		480		480		480	
			mm B	1.120		1.120		1.120		1.120	
			mm C	1.330		1.330		1.330		1.330	
	Peso netto	Net weight	kg	240	260	250	270	260	280	260	280
	Peso in funzione	Full load weight	kg								

1. +15°C Acqua in uscita/+30°C Acqua al condensatore

2. Pompe speciali fornibili su richiesta

3. A 10 mt di distanza in campo libero

4. Tensioni diverse quotabili su richiesta

5. ΔT 5°C tra acqua in uscita ed aria (solo per versioni FC o FC-PLUS)

1. +15°C Outlet water/+30°C Water to condenser

2. Different pumps are quoted on demand

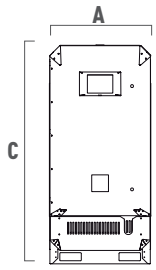
3. At 10 mt distance in free field

4. Different voltages are quoted on demand

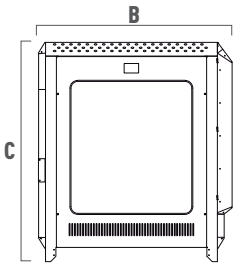
5. ΔT 5°C between outlet water and air (only FC and FC-PLUS versions)

TEMPERATURE CONTROL UNITS

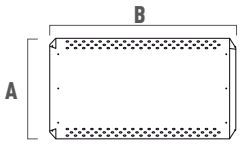
20		25		30		40		50		65		80	
STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS	STND	PLUS
25,9		33,1		40,0		47,6		55,9		74,0		94,1	
22.274		28.466		34.400		40.936		48.074		63.640		80.926	
R407C		R407C		R407C		R407C		R407C		R407C		R407C	
1		1		1		1		1		1		1	
1		1		1		1		1		1		1	
4,6		5,7		6,9		8,2		10,1		13,0		16,6	
3,90		4,80		5,80		6,90		8,30		11,00		13,90	
0,8		0,8		0,8		1,1		1,1		1,5		2,2	
90		90		90		90		140		140		140	
1,2 - 4,4		2,4 - 8,5		2,4 - 8,5		2,4 - 8,5		5,0 - 14,0		5,0 - 14,0		5,0 - 14,0	
1,5 - 4,2		1,6 - 3,7		2,0 - 4,4		2,0 - 4,4		1,8 - 3,4		2,4 - 4,5		2,4 - 4,5	
0,5		0,8		1,1		1,1		1,1		1,5		1,5	
1"1/4		1"1/4		2"		2"		2"		2"		2"	
-	12	-	12	-	12	-	12	-	18	-	18	-	18
22,5		27,7		34,0		40,3		48,1		63,9		80,8	
19.350		23.822		29.240		34.658		41.366		54.954		69.488	
5,4		6,9		8,3		9,9		11,7		15,4		19,6	
2,0		2,0		2,0		2,0		2,0		2,0		2,0	
45		45		45		45		45		45		45	
6,4	30,4	7,9	31,9	9,9	33,9	11,5	35,5	13,4	49,4	17,5	53,5	21,8	57,8
10,3	34,3	12,6	36,6	15,5	39,5	18,8	42,8	21,9	57,9	29,7	65,7	36,0	72,0
400/3/50		400/3/50		400/3/50		400/3/50		400/3/50		400/3/50		400/3/50	
47		52		52		52		53		56		58	
750		750		750		750		750		750		750	
1.445		1.445		1.445		1.445		1.760		1.760		1.760	
1.635		1.635		1.635		1.635		1.635		1.635		1.635	
380	410	400	430	420	450	450	480	620	660	690	730	790	830



Front view



Side view



Top view

CHI SIAMO - WHO WE ARE

Fondata nel 1990 e parte del Gruppo Atlas Copco dal 2019, EUROCHILLER è un'azienda italiana con una presenza globale ed è specializzata nella progettazione, produzione e assistenza di sistemi di raffreddamento industriale, termoregolatori e deumidificatori per aria di processo.
EUROCHILLER ha sede in Italia presso Castello d'Agogna (PV), dove svolge sia il ruolo di product company che di customer center per offrire alla propria clientela nazionale ed internazionale un ampio portfolio di prodotti e servizi innovativi e customer oriented.

Founded in 1990 and part of the Atlas Copco Group since 2019, EUROCHILLER is an Italian company with a global presence specialized in the design, manufacture and service of industrial cooling systems, temperature control units and process air dehumidifiers,
EUROCHILLER is located in Castello d'Agogna (PV) and plays the role of both product company and customer center, to offer its national and international customers a broad portfolio of innovative and customer-oriented products and services.

Mission & Vision

Lavoriamo ogni giorno per offrire ai nostri clienti in tutto il mondo la migliore offerta di prodotti e servizi, nel rispetto dell'ambiente che ci circonda. La nostra missione è infatti quella di sviluppare soluzioni altamente tecnologiche sempre più all'avanguardia, efficienti e tailor-made.

Mission & Vision

We work every day to offer our customers around the world the best range of products and services, respecting the environment around us. Our mission is in fact that of developing highly technological solutions proving to be increasingly cutting-edge, efficient and tailor-made.

Clienti in tutti i settori industriali

Grazie a un consolidato know-how e un ampio portfolio prodotti abbiamo sviluppato nel corso degli anni molteplici soluzioni in grado di soddisfare le più diverse esigenze di raffreddamento e termoregolazione in ambito industriale.

Customers within all industrial sectors

Thanks to a consolidated know-how and a wide product portfolio, we have developed over the years multiple solutions able to satisfy the most diverse cooling and thermoregulation needs into the industrial field.

CAST

BLOWING FILM

PIPES & PROFILES

FAST MOULDING

INJECTION MOULDING

BLOW MOULDING

PLASTIC RECYCLING

THERMOFORMING

AUTOMOTIVE

TUNNELS

FOOD INDUSTRY

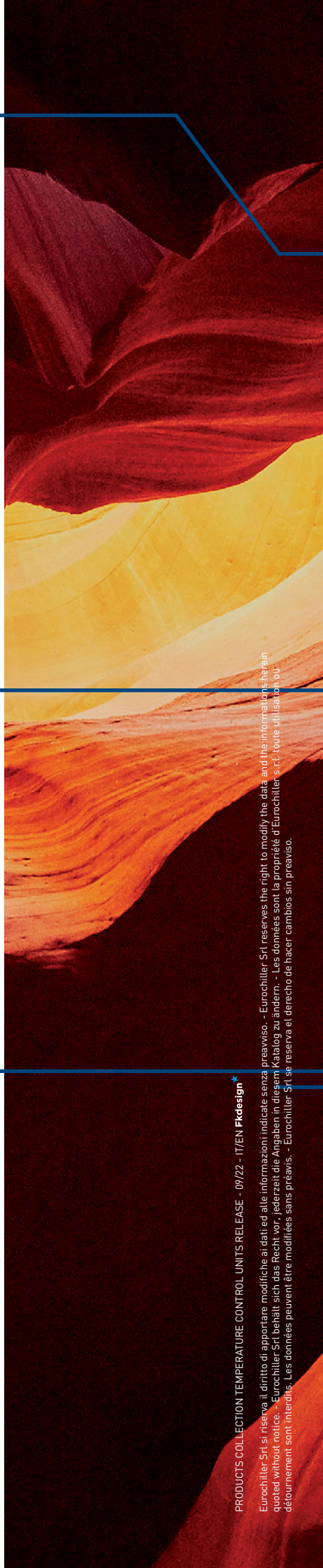
WINE INDUSTRY

ALTERNATIVE SOURCES OF ENERGY

OIL

MEDICAL

EURO
CHILLER
INTERNATIONAL COOLING



TEMPERATURE CONTROL UNITS

PRODUCTS COLLECTION

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enquiry@eurochiller.com - www.eurochiller.com | Part of Atlas Copco group

EUROCHILLER INTERNATIONAL COOLING

PRODUCTS COLLECTION TEMPERATURE CONTROL UNITS RELEASE - 09/22 - IT/EN **Fkdesign***

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