

R-32 LINE UP

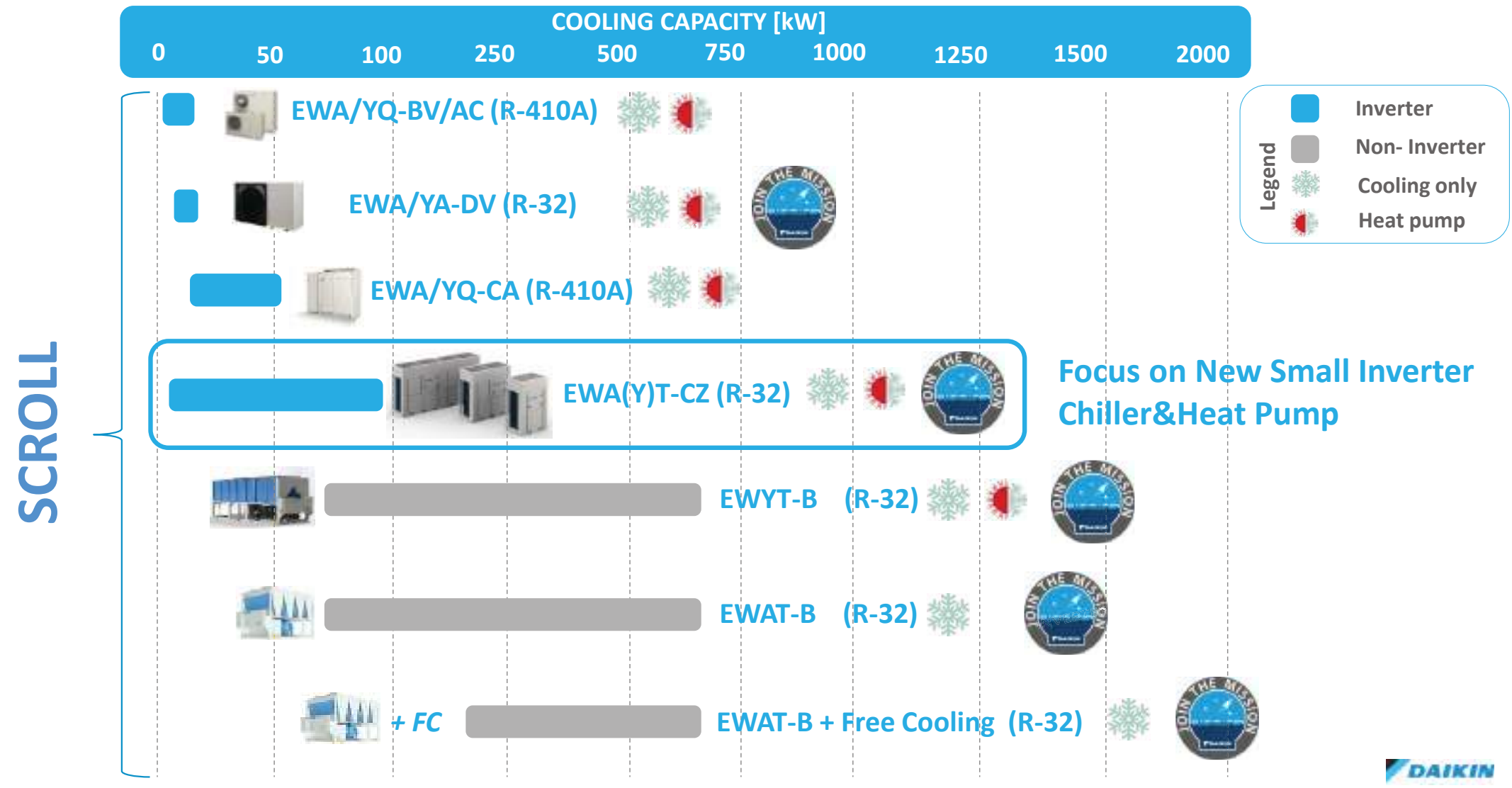
BLUEEVOLUTION



NEW R-32 Inverter scroll chiller&heat pump series



RANGE OVERVIEW : PRODUCT OVERVIEW 2021 - AIR COOLED SCROLL UNIT



RANGE OVERVIEW : PRODUCT LINE-UP

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Size	16	21	25	32	40 Mono	40 Dual	50	64	90
Unit Layout									
Cooling Capacity [kW] (1)	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
Unit Power Input Cooling [kW](1)	5.5	6.6	8.5	10.3	13.4	13.2	17	21.8	31
EER (1)	2.90	3.16	3.00	3.13	2.95	3.12	2.98	2.93	2.84
Heating Capacity [kW] (2)	15.9	20.2	24.9	32.4	39.4	40.3	49.8	61.9	85.8
Unit Power Input Heating [kW](2)	4.7	5.9	7.5	9.4	11.8	11.9	15.4	19.2	27.2
COP (2)	3.41	3.45	3.33	3.45	3.33	3.4	3.23	3.23	3.16
Unit sound power level [dB(A)]	76	76	78	79	80	80	81	83	85
Compressor Qty	1	1	1	1	1	2	2	2	2
N° Circuits	1	1	1	1	1	2	2	2	2
Fan Qty	1	1	1	2	2	2	2	3	4
Water Heat Exchanger	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE	BPHE
Unit Height [mm]	1878	1878	1878	1878	1878	1878	1878	1878	1878
Unit Length [mm]	1152	1152	1152	1753	1753	2304	2304	2905	3506
Unit Depth [mm]	810	810	810	810	810	810	810	810	810

(1) Water temperatures 12/7°C, ambient temperature 35°C

(2) Water temperatures 40/45°C, ambient temperature 7°C



RANGE OVERVIEW: “AT A GLANCE”

Daikin “Bluevolution” series EWA(Y)T~CZ with R 32



Cooling Only and Heat Pump availability



Extended capacity range: 16 – 90 kW



DC-Inverter Scroll Compressors



Standard and Boost Configurations



Optimized Cu-Al Coils



Brazed Plates Heat Exchangers



High Efficiency DC BRSH Axial Fans



Inverter pump kit both Low and High Lift

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RANGE OVERVIEW: NOMENCLATURE



EWA T 025 C Z P - A 1

DAE	
Machine type	
EWA	= Heat pump
EWA	= Cooling only
Refrigerant	
T	= HFC R-32 refrigerant
Capacity Class in (kW) (Cooling)	
Always 2-digit code	
Model series	
C	= product
Inverter	
Z	= Full inverter unit
Excavation/ysystem	
N	= Packaged, no pump
P	= Packaged, pump with
H	= Packaged, pump High lift
Option	
-	= no options
A	= OP 152 HIGH AMBIENT TEMPERATURE KIT
B	= OP 151 ANTIFREEZE PROTECTION ELECTRIC HEATER
---	= Partial heat recovery
TDC the specific Option digit	
Voltage	
A	
Number of circuits	
1	
2	

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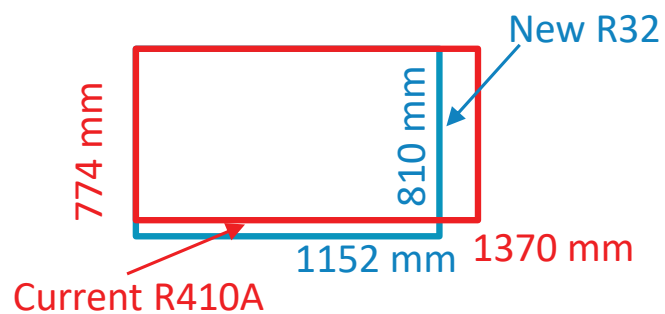


RANGE OVERVIEW: FOOTPRINT

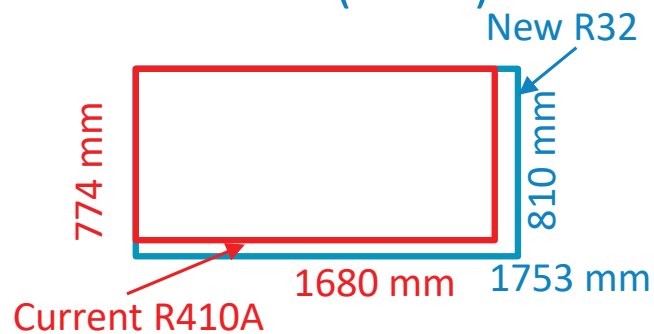
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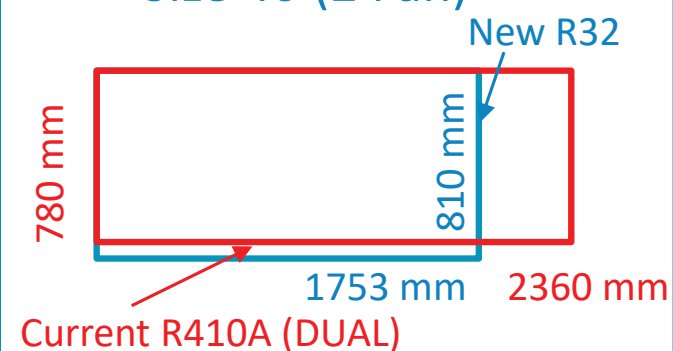
Size 16-21-25 (1 Fan)



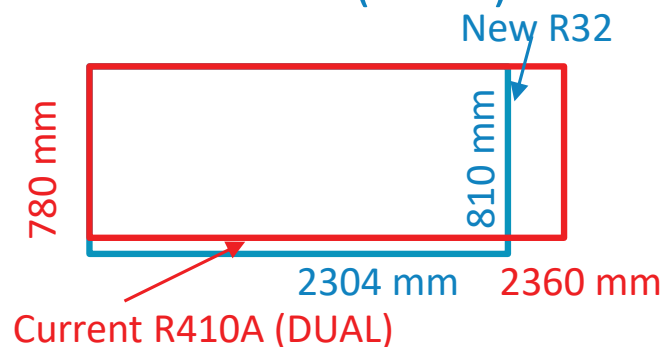
Size 32 (2 Fan)



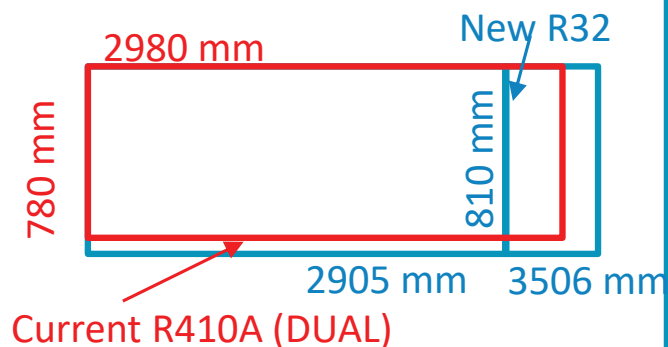
Size 40 (2 Fan)



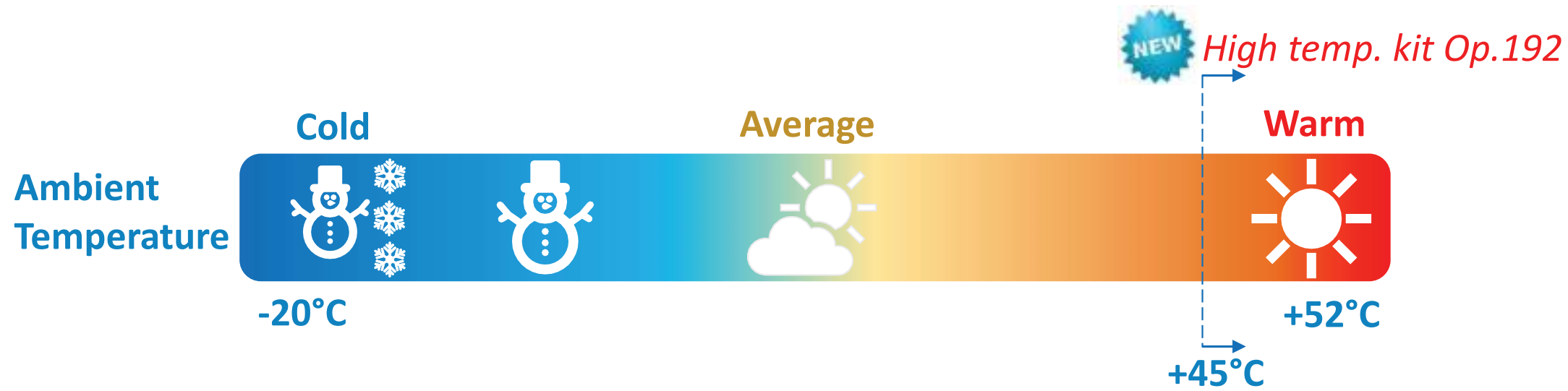
Size 40-50 (2 Fan)

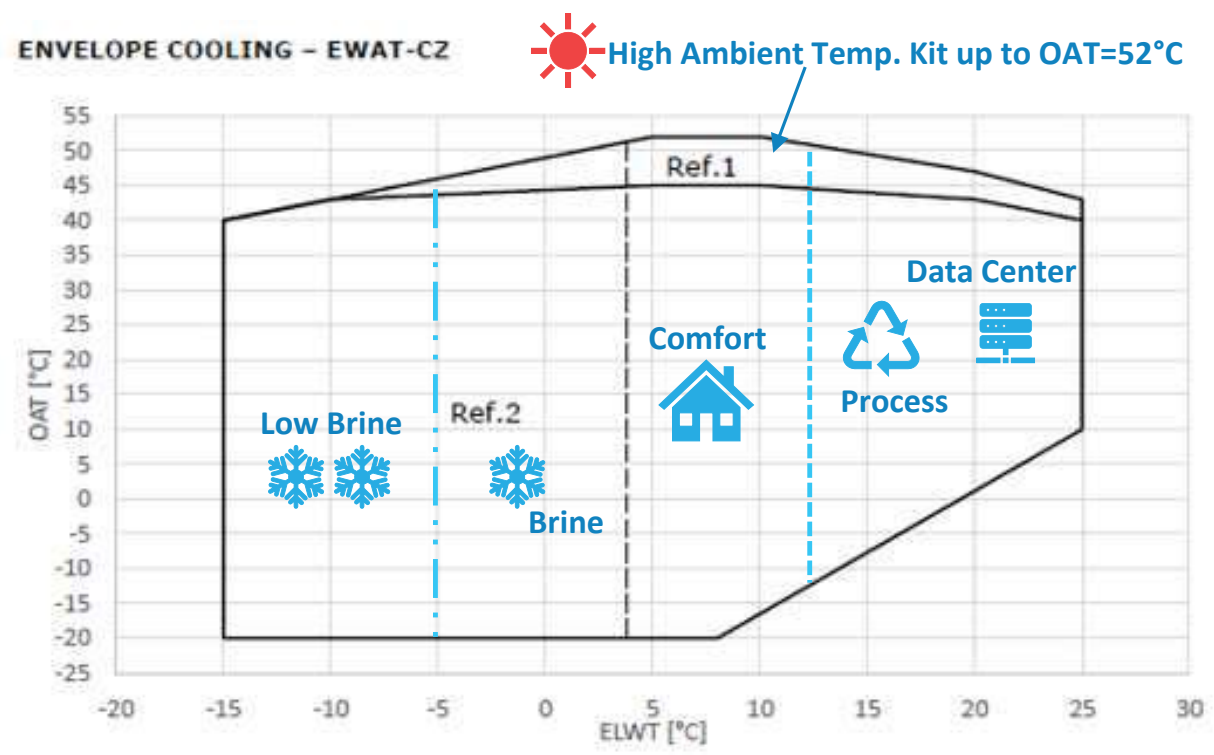


Size 64-90 (3-4 Fan)



RANGE OVERVIEW: OPERATING LIMITS - COOLING ONLY

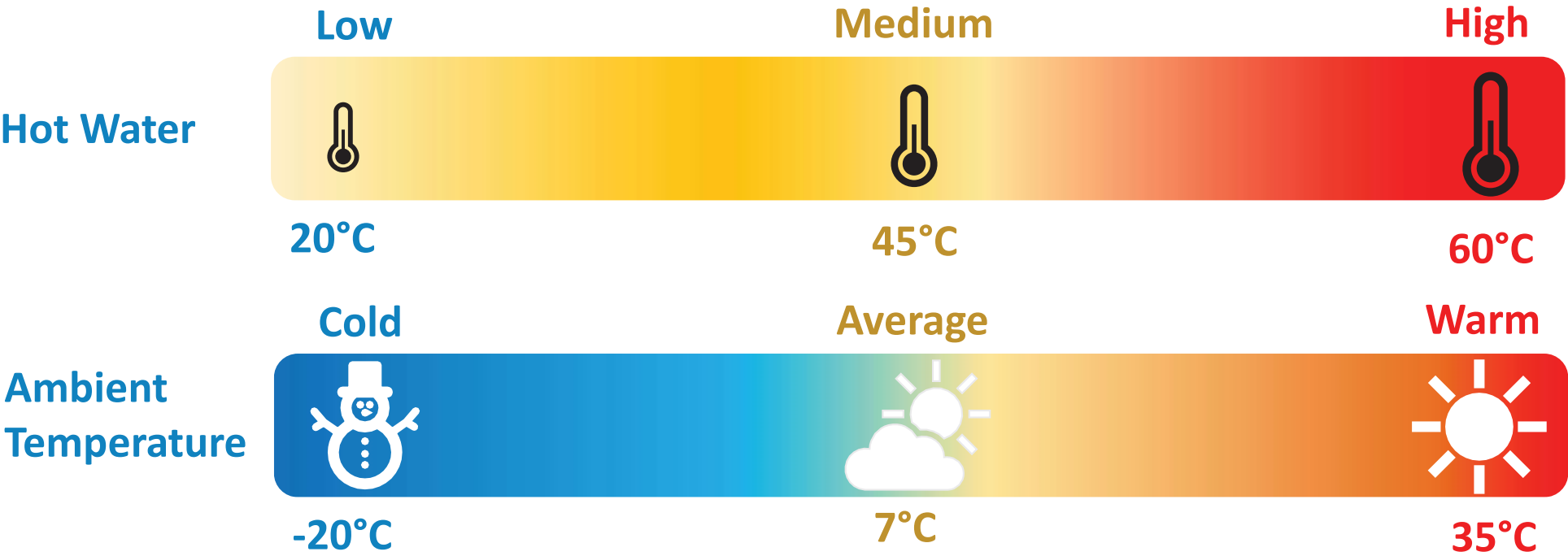




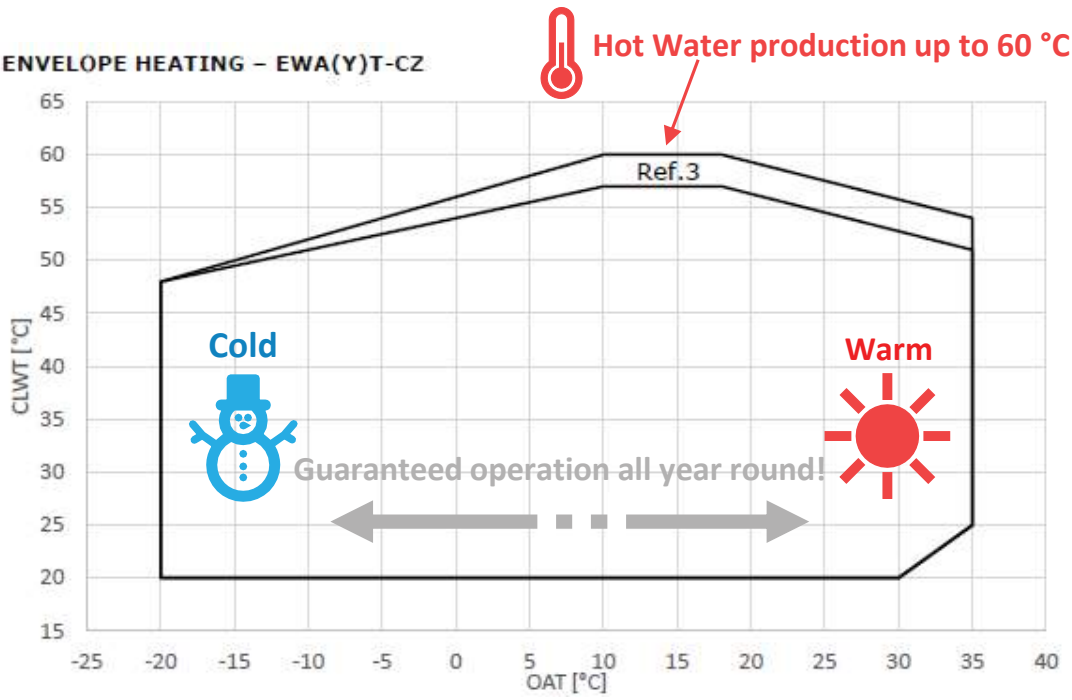
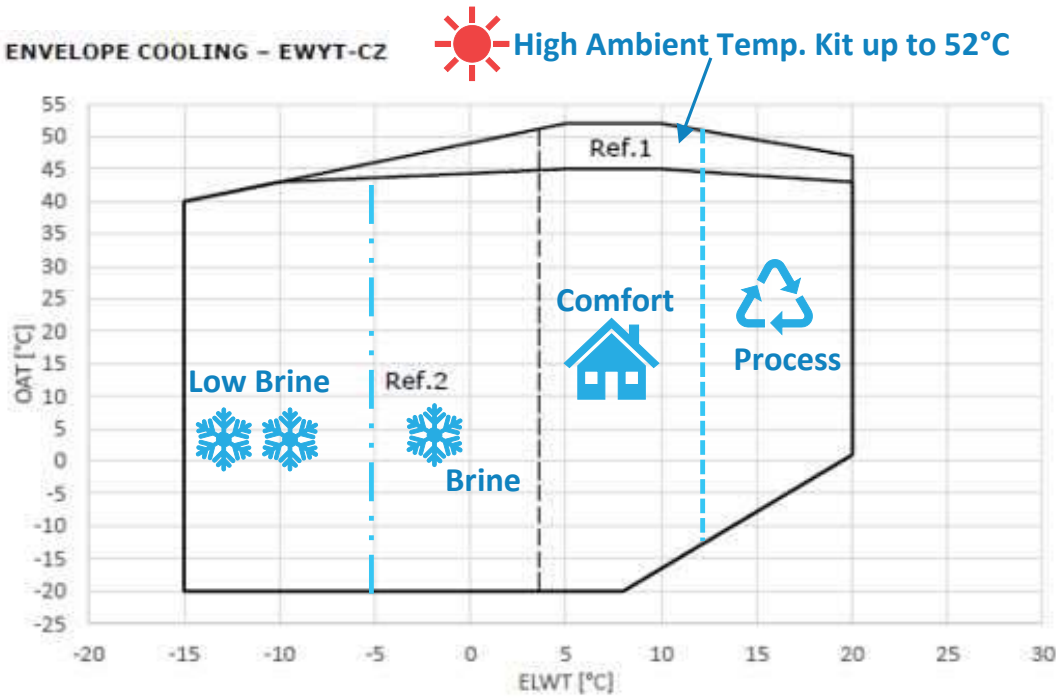
Ref. 1 Unit operations in this area require OP. 192 - HIGH AMBIENT TEMPERATURE KIT.
Ref. 2 Unit operations in this area require the enabling of the Brine version in the controller and the use of the proper amount of glycol.
Ref. 3 Certain unit sizes might work in part load in this area.

RANGE OVERVIEW: OPERATING LIMITS - HEAT PUMP

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RANGE OVERVIEW: OPERATING LIMITS - HEAT PUMP



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Ref. 2 Unit operations in this area require the enabling of the Brine version in the controller and the use of the proper amount of glycol.
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OPTIONS AND ACCESSORIES

OPTIONS AND ACCESSORIES: INVERTER PUMP

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Description

Unit mounted hydronic kits are available for the P and H version in low and high lift solution with Inverter pump control. The hydronic kit is protected from freezing selecting the additional OP.191-ANTIFREEZE PROTECTION ELECTRIC HEATER.

Availability

EWA(Y)T-CZ / N - **P- H** / A or B / 1 - 2

Not Compatibility

Selecting the OP.192 High Ambient Temp. Kit the Pump control is ON/OFF

EWY	T	IS	C	Z	N	.	A	1
DAE								
Machine type								
EWY								
EWB								
Refrigerant								
T								
Capacity Class in kW (Cooling)								
Group 3-digit code								
Model index								
C								
Inverter								
Z								
Compressor/rotation								
M								
P								
H								
Option								
-								
A								
B								
Voltage								
A								
Number of circuits								
1								
2								



OPTIONS AND ACCESSORIES: OP. 191 - ANTIFREEZE PROTECTION ELECTRIC HEATER

Description

A heater tape is wound around the water side components to protect vital parts of the hydraulic system inside the unit including the BPHE. This heater tape will only protect internal parts of the unit. It can not protect field installed parts outside the unit. Field heater tapes must be provided by the installer. Selecting OP.191 the nomenclature Digit is “B”.

Availability

EWA(Y)T-CZ / N - P- H / **B** / 1 - 2

Selecting OP.191 the nomenclature Digit is “B”.

Not Compatibility

OP.192

EwY	T	IS	C	Z	N	.	Δ	1
DAE								
Machine type								
EwY								
EwS								
Refrigerant								
T								
Capacity Class in kW (Cooling)								
Group 3-digit code								
Model index								
C								
Inverter								
Z								
Connection/Location								
N								
P								
H								
Option								
-								
B								
Voltage								
A								
Number of circuits								
1								
2								

OPTIONS AND ACCESSORIES: OP. 192 - HIGH AMBIENT TEMPERATURE KIT.

Description

The option ensures the operation of the unit for outside ambient temperature above 45°C and up to 52°C.

The kit is characterized by:

- Oversized electrical equipment
- Fan Boosted to max speed

Benefit

The operating range of the unit can be extended above 45°C up to the operating limit of the unit

Availability

EWA(Y)T-CZ / N - P- H / **A** / 1 - 2

Selecting OP.192 the nomenclature Digit is "A".

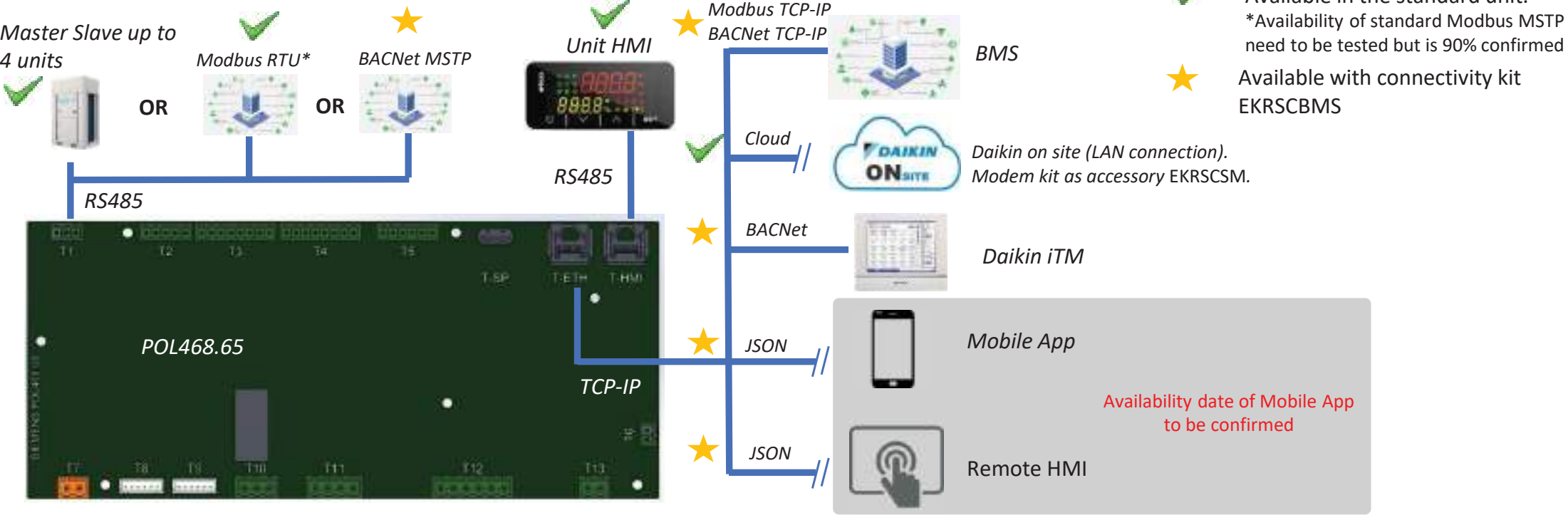
Not Compatibility

OP.191



In case of OP.192 selected the Pump is not inverter driven, but ON/OFF

OPTIONS AND ACCESSORIES: CONNECTIVITY



Connectivity	Standard Unit	Standard unit + EKRSCBMS Connectivity Card	Standard unit + EKRSCSM Daikin on site modem with antenna
Master/Slave or Modbus RTU	✓	X	✓
Bacnet MSTP/IP or Modbus TCP-IP	X	✓	✓
Daikin On Site - DoS	X	✓	✓

CUSTOMER ORIENTATION: DAIKIN ON SITE

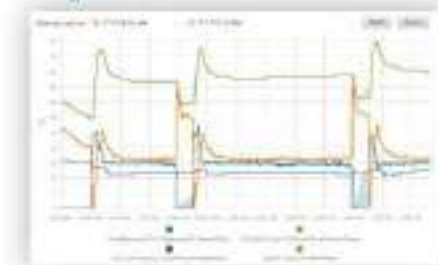
Remote monitoring and system optimization with Daikin proprietary cloud platform;

- Predictive maintenance to prevent breakdowns.
- Visualize energy consumption to reduce energy costs.
- Monitor and control your building no matter where you are via the Daikin Cloud Service.
- Remote diagnostic support to increase your system lifetime.
- Manage Multiple sites.

Daikin On Site
Cloud platform.



Diagnostics



Remote software upgrade



SERVICE



DAIKIN



CUSTOMER ORIENTATION

High seasonal
efficiency

Lowest running
costs

R-32 ecological
refrigerant



Stock
availability

Quite
Operation

Advanced
connectivity

Full inverter
technology

System
optimization
solutions



BLUEvolution





Future proof your customers – and your business

Make it your mission to reduce your customers' environmental-impact, with the BLUEEVOLUTION RANGE.

With less refrigerant charge R-32 is the refrigerant of the future: quicker to install and easier to maintain.