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RAPID NEWS

No: RN/DACE/BDS/ DACE-##-##

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Date: 02/08/2012
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SUBJECT:
New Daikin Altherma EDLQ-C/EBLQ-C low temperature monobloc in size 11, 14, 16 kW (Additional models with integrated BUH).

1. Background :

Daikin Altherma Monobloc EBLQ/EDLQ-C R410A (size 11,14,16 kW) will be launched in May 2018 with improved performance.

To offer improved flexibility, additional models with integrated BUH will be launched in August 2018.

This is an extension of the existing EBLQ/EDLQ-C 5-7 kW series.

2. What has changed :

Improved performance, improved energy efficiency (up to A++), smaller dimensions for easy and flexible installation, Lan adapter connection, easy installation

3. Sales availability / Timing :

Daikin branded models :

- BUH-less models : MP W20 / SL W21
- models with integrated BUH : MP W34 / SL W35.

AVAILABILITY

BUH-less MB : May 2018
MB with integrated BUH 3V : August 2018



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Dear Madam,
Dear Sir,

We hereby like to announce the launch of our new Daikin Altherma EBLQ / EDLQ Low Temperature Monobloc C series.

The new EBLQ/EDLQ –C series becomes available in 11, 14 and 16 kW models in 1 and 3 phase version for reversible and heating only applications.

This new EBLQ/EDLQ-C series will be available in BUH-less models and models with integrated 3 kW BUH. This series complements the existing Daikin Altherma Low temperature Monobloc EBLQ/EDLQ-C 5-7kW series , offering 1 series / 1 concept approach from 5 kW up to 16 kW.

The new EBLQ/EDLQ-C series will replace the current EBLQ/EBHQ/EDLQ/EDHQ-BB series.

With the easy installation inherent of a Monobloc and 55°C leaving water temperature, this series is suitable for new build applications.



Concept :

- Same concept as EBLQ/EDLQ-C 5 and 7 kW
- For easy and flexible installation : separate :
 - Wiring kit
 - User interfaceare foreseen , allowing reduced dimensions for the Monobloc outdoor unit
- Time saving installation with fewer parts is realized by the wiring and option control box
- All controls and options are the same as for the EBLQ/EDLQ-C 5 – 7 kW
- To further increase flexibility : both
 - o MB BUH-less and models and
 - o MB models with integrated BUH of 3kW (3V)will be available.
- For installation demanding larger BUH : a BUH-kit of 6/9 kW is available for use on MB BUH-less models.



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Product line-up :

The EBLQ / EDLQ-C Monobloc series becomes available in :

- Reversible and heating only models
- 1 phase and 3 phase models
- 11 – 14 – 16 kW models
- BUH-less models
- Models with integrated BUH 3kW (3V)

This will complement the already existing EBLQ/EDLQ-C Monobloc 5 and 7 kW series.

The new C series includes 24 models :



The available models are listed in the table below :

EBLQ / EDLQ-C series						
Casing	Capacity		BUH-less		Integrated BUH (3kW)	
			Reversible	H/O	Reversible	H/O
	5 kW	1ph	EBLQ05CV3	EDLQ05CV3	-	-
	7 kW	1ph	EBLQ07CV3	EDLQ07CV3	-	-
	11 kW	1ph	EBLQ011CV3	EDLQ011CV3	EBLQ011C3V3	EDLQ011C3V3
	14 kW	1ph	EBLQ014CV3	EDLQ014CV3	EBLQ014C3V3	EDLQ014C3V3
	16 kW	1ph	EBLQ016CV3	EDLQ016CV3	EBLQ016C3V3	EDLQ016C3V3
	11 kW	3ph	EBLQ011CW1	EDLQ011CW1	EBLQ011C3W1	EDLQ011C3W1
	14 kW	3ph	EBLQ014CW1	EDLQ014CW1	EBLQ014C3W1	EDLQ014C3W1
	16 kW	3ph	EBLQ016CW1	EDLQ016CW1	EBLQ016C3W1	EDLQ016C3W1

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Replacement :

The new EBLQ / EDLQ-C series will replace the EBLQ/EBHQ/EDLQ/EDHQ-BB series :

kW	Phase	Current		NEW	
		Reversible	H/O	Reversible	H/O
5 kW	1ph	EBLQ05CV3	EDLQ05CV3	EBLQ05CV3	EDLQ05CV3
7 kW	1ph	EBLQ07CV3	EDLQ07CV3	EBLQ07CV3	EDLQ07CV3
11 kW	1ph	EBHQ011BB6V3	EDHQ011BB6V3	-	-
14 kW	1ph	EBHQ014BB6V3	EDHQ014BB6V3	-	-
16 kW	1ph	EBHQ016BB6V3	EDHQ016BB6V3	-	-
11 kW	3ph	EBHQ011BB6W1	EDHQ011BB6W1	-	-
14 kW	3ph	EBHQ014BB6W1	EDHQ014BB6W1	-	-
16 kW	3ph	EBHQ016BB6W1	EDHQ016BB6W1	-	-
11 kW	1ph	EBLQ011BB6V3	EDLQ011BB6V3	EBLQ011C(3)V3	EDLQ011C(3)V3
14 kW	1ph	EBLQ014BB6V3	EDLQ014BB6V3	EBLQ014C(3)V3	EDLQ014C(3)V3
16 kW	1ph	EBLQ016BB6V3	EDLQ016BB6V3	EBLQ016C(3)V3	EDLQ016C(3)V3
11 kW	3ph	EBLQ011BB6W1	EDLQ011BB6W1	EBLQ011C(3)W1	EDLQ011C(3)W1
14 kW	3ph	EBLQ014BB6W1	EDLQ014BB6W1	EBLQ014C(3)W1	EDLQ014C(3)W1
16 kW	3ph	EBLQ016BB6W1	EDLQ016BB6W1	EBLQ016C(3)W1	EDLQ016C(3)W1

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Features and benefits :

The new R410A Daikin Altherma Monobloc EBLQ / EDLQ-C series offers :

- High Performance :

- Improved seasonal efficiency Erp label up to A++ compared to the current Monobloc
- Improved capacity at low ambient : + 33 % at -7/35°C
- 55°C leaving water temperature : Perfect for new build applications using UFH
- Connection to new stainless steel DHW tank with improved energy efficiency label B

- Easy to install :

- All hydraulic components are included in the MB OU unit
- Sealed refrigerant circuit : only hydraulic connection / no need for refrigerant connection
- Smaller dimensions : -36 % in volume
- Flexible installation with separate :
 - User interface
 - Wiring control center
 - BUH heater kit
- 6V and 9W backup heaters in steps

High performance : compared to current monobloc EBLQ/EDLQ-BB series :

The new EBLQ/EDLQ-C series offers :

- Seasonal efficiency : increased from A+ up to to A++
- Capacity at -7/35°C : + 33 %
- Smaller dimensions : Volume – 36 %
- Extended operation range down to -25°C



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Please note that below data is preliminary and can object of change

Update

EBLQ/EDLQ-C 1ph / 3ph Preliminary data		011		014		016	
		EBLQ/EDLQ- BB	EBLQ/EDLQ- C	EBLQ/EDLQ- BB	EBLQ/EDLQ- C	EBLQ/EDLQ- BB	EBLQ/EDLQ- C
		Current	NEW	Current	NEW	Current	NEW
LWT °C		55	55	55	55	55	55
Operation range		-20	-25	-20	-25	-20	-25
Operation mode		Rev – H/O	Rev – H/O	Rev – H/O	Rev – H/O	Rev – H/O	Rev – H/O
-7/35	Rated HC kW	6,49	8,60	8,23	10,50	9,15	11,30
	COP	2,46	2,75	2,51	2,61	2,44	2,61
2/35	Rated HC kW	8,11	8,56	9,72	10,20	10,69	10,90
	COP	3,11	3,60	3,11	3,35	3,11	3,31
7/35	Rated HC kW	11,2	11,2	14,0	> 12	16,0	> 14
	COP	4,38	4,6	4,25	4,50	4,12	4,30
7/45	Rated HC kW	10,9	11,0	13,1	> 11	15,1	> 12
	COP	3,38	3,55	3,37	3,50	3,20	3,4
7/55	Rated HC kW	9,99	10,76	12,73	13,30	13,92	15,04
	COP	2,49	2,71	2,48	2,71	2,44	2,80
ERP LOT1	Pr kW	9,90	9,99	12,3	12,7	13,9	13,9
	SP 35 / 55°C	A+ / A+	A++ / A+	A+ / A+	A++ / A+	A+ / A+	A+ / A+
	η % 35 / 55°C	129/105	156/120	130/105	153/123	123/101	149/119
	SCOP	3,3/2,7	3,98/3,09	3,32/2,71	3,9/3,16	3,15/2,60	3,8/3,06
	Sound power	64	64	65	64	66	66
	Packaged label 55°C (+ controller)		A++ / A+		A++ / A++		A++ / A+
Sound power nom		60	64	70	64	70	66
Refrigerant - type		R410A	R410A	R410A	R410A	R410A	R410A
Fans		2	2	2	2	2	2
OU	H (mm)	1418	1345	1418	1345	1418	1345
	W (mm)	1435	1157	1435	1157	1435	1157
	D (mm)	382	320	382	320	382	320
	V (m³) (<0,6 m³)	0,78	0,50	0,78	0,50	0,78	0,50

Smaller dimensions :



Improved DHW tank :

The Daikin Altherma LT Monobloc EDLQ/EBLQ-C series is compatible with the new stainless steel tank EKHWS-D series (launched in Jan 2017) offering improved performance :

- Extended tank range : available in 150, 180, 200, 250, 300 l
- Stainless steel
- Erp energy class improved to energy label B
- Up to 30 % lower standing losses (1,08 – 1,63 kWh/24h)
- Increased H/E m² up to 1,8 m²
- UK model : pre-plumbed (except the expansion vessel)





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Controls :

The controls for the EDLQ/EBLQ-D 11-14-16 kW are listed below.
These controls already exist and are used for the EDLQ/EBLQ 5-7 kW.

Type	Description	Material name
Controls	LAN adapter	BRP069A62
	LAN adapter + PV solar connection	BRP069A61
	Remote user interface DE, FR, NL, IT	EKRUCBL1
	Remote user interface EN, SV, NO, FI	EKRUCBL2
	Remote user interface EN, ES, EL, PT	EKRUCBL3
	Remote user interface EN, TR, PL, RO	EKRUCBL4
	Remote user interface DE, CS, SL, SK	EKRUCBL5
	Remote user interface EN, HR,HU,BG	EKRUCBL6
	Remote user interface EN, DE, RU, DA	EKRUCBL7
	Simplified user interface	EKRUCBS
	Wired room thermostat	EKRTWA
	Wireless room thermostat	EKRTR1

Options :

The options for the EDLQ/EBLQ-D 11-14-16 kW are listed below.
These options already exist and are used for the EDLQ/EBLQ 5-7 kW.

Type	Description	Reference
Sensor	External sensor	EKRTETS
	Remote sensor for OU	EKRSCA1
	Remote sensor for IU	KRCS01-1
BUH	Back-up heater kit monobloc	EKMBUHC3V3
		EKMBUHC9W1
Others	PC cable kit	EKPCCAB3
Wiring centre	Control box	EKCB07CAV3
	Option box	EK2CB07CAV3
By pass	Valve kit	EKMBHBP1
Bizone	Bizone kit	BZKA7V3

In case of questions please do not hesitate to contact the SBD Department.

Strategic Business Development Department
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