



**INTERNAL**

# /// RAPID NEWS

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

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**Date:** 11/08/2017  
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**SUBJECT:**  
Introduction of Hydrocube water cooled chiller series with R410A refrigerant EWW(L)Q-KA and KB

Based on RNPI 17-056

Dear All,

We hereby announce the introduction of new EWW(L)Q~KA/KB series: **NEW Hydrocube** water cooled chiller series with **R410A refrigerant** (14 kW – 192 kW).

New series will replace, with better efficiency, current EWW(L)P~KA/KB which is not compliant with Ecodesign Lot1 (Tier2) entering into force starting from 26th September 2017.

Item:

1. Product line-up
2. Product specifications
3. Available options
4. Sales launch / mass production



## 1. Product line-up

Find here below an overview about EWW(L)Q~KA/KB range.

Product range	Water cooled chiller units cooling only or heat pump applications (reversibility on water side)
Series name	EWW(L)Q~KA/KB
Cooling capacity	5 sizes single module from 13 kW to 64 kW up to 192 kW with three stacked modules
Refrigerant	R410A
Compressor	ON/OFF Scroll
Evaporator and Condenser	Plate heat exchanger
Production location	DAE – Cecchina (Italy)

Table 1a: Detail material lists.

Version	Installation	Material Name	Version	Installation	Material Name
STD	Unit + control factory mounted	EWWQ014KBW1N	Condenser -less	Unit + control factory mounted	EWLQ014KBW1N
		EWWQ025KBW1N			EWLQ025KBW1N
		EWWQ033KBW1N			EWLQ033KBW1N
		EWWQ049KBW1N			EWLQ049KBW1N
		EWWQ064KBW1N			EWLQ064KBW1N
	Modular unit (controller available as accessory)	EWWQ049KAW1M	Modular unit (controller available as accessory)	Not Available	
EWWQ064KAW1M		Not Available	Not Available		
STD + OPZH (brine down to -5°C ELWT)	Unit + control factory mounted	EWWQ014KBW1NH--	Condenser -less + OPZH (brine down to -5°C ELWT)	Unit + control factory mounted	EWLQ014KBW1NH--
		EWWQ025KBW1NH--			EWLQ025KBW1NH--
		EWWQ033KBW1NH--			EWLQ033KBW1NH--
		EWWQ049KBW1NH--			EWLQ049KBW1NH--
		EWWQ064KBW1NH--			EWLQ064KBW1NH--
	Modular unit (controller available as accessory)	EWWQ049KAW1MH--	Modular unit (controller available as accessory)	Not Available	
EWWQ064KAW1MH--		Not Available	Not Available		



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Table 1b: Detail material lists.

Version	Installation	Material Name	Version	Installation	Material Name
STD + OPZL (brine down to -10°C ELWT)	Unit + control factory mounted	EWVQ014KBW1NL--	Condenser -less + OPZL (brine down to -10°C ELWT)	Unit + control factory mounted	EVLQ014KBW1NL--
		EWVQ025KBW1NL--			EVLQ025KBW1NL--
		EWVQ033KBW1NL--			EVLQ033KBW1NL--
		EWVQ049KBW1NL--			EVLQ049KBW1NL--
		EWVQ064KBW1NL--			EVLQ064KBW1NL--
	Modular unit (controller available as accessory)	EWVQ049KAW1ML--		Modular unit (controller available as accessory)	Not Available
		EWVQ064KAW1ML--			Not Available

## 2. Product specifications

Table 2a: Standard unit specifications

Technical specification	EWVQ014 KBW1N	EWVQ025 KBW1N	EWVQ033 KBW1N	EWVQ049 KBW1N	EWVQ064 KBW1N
Cooling capacity [kW]	13	24	31	49	64
EER	4.0 (Average)				
Power Supply	400V / 50Hz / 3Ph+N				
Evaporator range (leaving water T.)	+5°C ÷ +20°C standard unit -5°C ÷ 4,9°C standard unit + OPZH -10°C ÷ -5,1°C standard unit + OPZL				
Condenser range (leaving water T.)	From +20°C up to 45 ÷ 55°C (depending on evaporator water)				
Height [mm]	600	600	600	600	600
Width [mm]	600	600	600	600	600
Length [mm]	600	600	600	1200	1200
Weight [kg]	118	153	170	303	337

Note: above data can be subject to changes, final data to be confirmed on the unit data book.

**Table 2b: Condenserless unit specifications**

Technical specification	EWLQ014 KBW1N	EWLQ025 KBW1N	EWLQ033 KBW1N	EWLQ049 KBW1N	EWLQ064 KBW1N
Cooling capacity [kW]	13	24	31	49	64
EER	4.0 (Average)				
Power Supply	400V / 50Hz / 3Ph+N				
Evaporator range (leaving water T.)	+5°C ÷ +20°C standard unit -5°C ÷ 4,9°C standard unit + OPZH -10°C ÷ -5,1°C standard unit + OPZL				
Condenser range (condensing T.)	From +25°C up to 50 ÷ 60°C (depending on evaporator water)				
Height [mm]	600	600	600	600	600
Width [mm]	600	600	600	600	600
Depth [mm]	600	600	600	1200	1200
Weight [kg]	116	151	168	301	335

Note: above data can be subject to changes, final data to be confirmed on the unit data book.

Up to three modules can be combined together in stacked arrangement and as per the following combination table:

**Table 2c:**

		Single Module					2 x Modules			3 x Modules			
Unit Index		014	025	033	049	064	098	113	128	147	162	177	192
Capacity (kW)		13	24	31	49	64	98	113	128	147	162	177	192
Unit + control factory mounted	EWVQ014KBW1N	1	-	-	-	-	-	-	-	-	-	-	-
	EWVQ025KBW1N	-	1	-	-	-	-	-	-	-	-	-	-
	EWVQ033KBW1N	-	-	1	-	-	-	-	-	-	-	-	-
	EWVQ049KBW1N	-	-	-	1	-	-	-	-	-	-	-	-
	EWVQ064KBW1N	-	-	-	-	1	-	-	-	-	-	-	-
Modular unit (controller available as accessory)	EWVQ049KAW1M	-	-	-	-	-	2	1	-	3	2	1	-
	EWVQ064KAW1M	-	-	-	-	-	-	1	2	-	1	2	3
Controller for modular unit	ECB2MUAW	-	-	-	-	-	1	1	1	-	-	-	-
	ECB3MUAW	-	-	-	-	-	-	-	-	1	1	1	1

Note 1: the above combination table is also valid for standard models with OPZL or OPZH.

Note 2: condenserless versions are only available as single modules only.



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### **3. Available options (factory mounted)**

**OPZH:** Glycoled chilled water applications down to -5°C. In case OPZH is selected model name is changing (see table 1a/1b paragraph 1).

**OPZL:** Glycoled chilled water applications down to -10°C. In case OPZLH is selected model name is changing (see table 1a/1b paragraph 1).

### **4. Available accessories (separate kit shipped loose)**

**ECB2MUAW:** Control kit for multiple unit combination (2 modules, see combination table paragraph 2).

**ECB3MUAW:** Control kit for multiple unit combination (3 modules, see combination table paragraph 2).

**EKAC10C:** Address card for connection to BMS or Remote user Interface.

**EKRUMCA:** Remote installed user interface.

**EKLS2:** EWW(L)Q025-064KBW1N sizes. Low noise kit (compressor soundproof jacket).

### **5. Start of mass production / sales launch**

Orders for the new series will be accepted starting from **18th September**.  
Mass production will start **first week of October in DAE Cecchina Factory (Italy)**.

Please note that shipment for **old series EWWP~KB/KA will be possible until 26th September 2017** (implementation of Tier 2 Ecodesign Lot1).

Shipment of **old series EWLP~KB** (condenserless version, not in scope of Ecodesign) **can continue without limitation until stock availability**.

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

Strategic Business Development Department  
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