

30RB 262-802

AIR-COOLED LIQUID CHILLERS WITH INTEGRATED HYDRONIC MODULE



Physical data

30RB		262	302	342	372	402	432	462	522	602	672	732	802
Nominal cooling capacity*	kW	256	291	325	356	388	415	444	503	593	648	700	753
Operating weight**, standard unit	kg	2320	2920	3120	3180	3310	3860	4000	4190	5440	5640	6320	6510
With Euro Pack option	kg	2510	3160	3360	3440	3570	4160	4300	4510	5810	6020	6740	6950
With Euro Pack option and high-pressure dual-pump hydronic module option	kg	2755	3465	3665	3785	3915	4505	4695	4925	-	-	-	-
Refrigerant		R410A											
Compressors		Hermetic scroll, 48.3 r/s											
Control		Pro-Dialog Plus											
Condensers		Grooved copper tubes and aluminium fins											
Fans		Axial FLYING BIRD IV with rotating shroud											
Quantity		4	5	5	6	6	7	7	8	9	10	11	12
Total air flow	l/s	18056	22569	22569	27083	27083	31597	31597	36111	40625	45139	49653	54167
Evaporator		Direct expansion, shell-and-tube											
Hydronic module (option)		Centrifugal, monocell, low or high pressure (as required)											
Water pump		Single or twinned dual pump (as required)											

* Nominal conditions: evaporator entering/leaving water temperature 12°C/7°C, outside air temperature 35°C, evaporator fouling factor 0.000018 m² K/W

** Weights are for guidance only

Electrical data

30RB (without hydronic module)		262	302	342	372	402	432	462	522	602	672	732	802
Power circuit													
Nominal power supply	V-ph-Hz	400-3-50 ± 10%											
Control circuit supply		24 V, via internal transformer											
Maximum unit power input*													
Circuits A + B/C	kW	129/-	142/-	161/-	174/-	193/-	206/-	225/-	258/-	193/97	193/129	258/97	258/129
Nominal unit current draw**													
Circuits A + B/C	A	167/-	185/-	209/-	226/-	250/-	268/-	292/-	334/-	250/125	250/167	334/125	334/167
Maximum start-up current													
Standard unit***													
Circuits A + B/C	A	426/-	448/-	481/-	502/-	535/-	557/-	590/-	645/-	535/371	535/426	645/371	645/426

* Power input of the compressor(s) + fan(s) at maximum unit operating conditions. Values given on the unit name plate.

** Nominal unit current draw at nominal conditions: evaporator entering/leaving water temperature 12°C/7°C, outdoor air temperature 35°C. Current values at 400 V.

*** Maximum instantaneous starting current at 400 V nominal voltage and with compressor in across-the-line start (maximum operating current of the smallest compressor(s) + fan current + locked rotor current of the largest compressor).

Note: Units 30RB 602-802 have two electrical connection points.

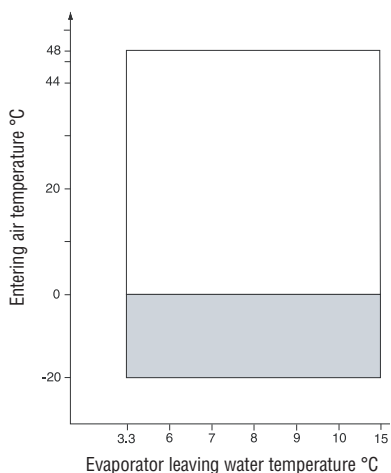
Hydronic module		262	302	342	372	402	432	462	522
Single and dual low-/high-pressure pump									
Shaft power	kW	2/4	3/6	3/6	4/8	4/8	4/8	6/11	6/11
Power input*	kW	2.7/4.7	3.6/6.4	3.6/6.4	4.6/8.5	4.6/8.5	4.6/8.5	6.3/12.2	6.3/12.2
Maximum current draw at 400 V**	A	4.7/8.2	6.4/11.2	6.4/11.2	8.2/15.4	8.2/15.4	8.2/15.4	11.2/21.2	11.2/21.2

Note: The water pump power input values are given for guidance only.

* To obtain the maximum power input for a unit with hydronic module add the maximum unit power input from the electrical data table in section 5 to the pump power input* in the table above.

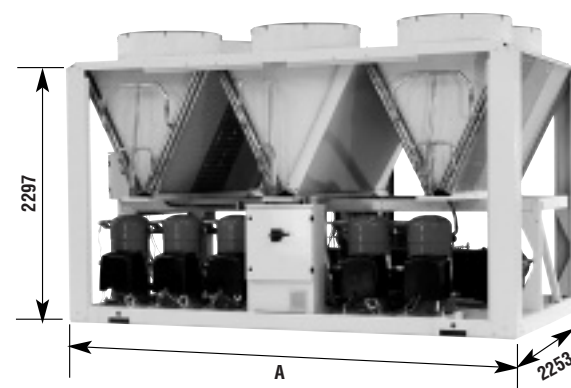
** To obtain the maximum unit operating current draw for a unit with hydronic module add the maximum unit current draw from the electrical data table in section 5 to the pump current draw** in the table above.

Operating range



Dimensions, mm

30RB	262	302-402	432-522	602-672	732-802
A	2410	3604	4798	5992	7186





AQUASNAP™
with PURON® refrigerant

Model shown is with Euro Pack option

FEATURES

- Twelve sizes with nominal cooling capacities from 260 to 760 kW.
- State-of-the-art Aquasnap Puron liquid chillers featuring the latest technological innovations and operating on the ozone-friendly refrigerant R410A.
- Integrated hydronic module with water pump and expansion tank.
- Low-noise scroll compressors with low vibration levels
- V-shaped condenser coils, allowing quieter air flow across the coil
- Low-noise 4th generation Flying Bird fans, now even quieter. Rigid fan installation prevents start-up noise
- Simplified electrical connections
- Fast commissioning, as all units are systematically run tested before shipment
- Economical operation with increased energy efficiency at part load and dynamic superheat management.
- Leak-tight refrigerant circuit and reduced maintenance costs
- Auto-adaptive control algorithm and automatic compressor unloading for increased reliability
- Exceptional endurance tests

PRO-DIALOG *Plus*



Pro-Dialog Plus operator interface

OPTIONS AND ACCESSORIES

- Euro Pack: enclosure panels, evaporator frost protection, main disconnect switch and low noise level *
- Special condenser treatments *
- Suction shut-off valves *
- Enclosure panels on each end of the coils *
- Grilles on all four unit faces *
- Evaporator and hydronic module with aluminium jacket - 262-522 *
- High and low-pressure single or dual-pump hydronic modules - 262-522 *
- Evaporator frost protection *
- Winter operation *
- Low and very low noise levels *
- Twinning *
- Heat reclaim condenser sizes 262-522 *
- Main disconnect switch with or without fuse *
- JBus or LonTalk gateways *
- Energy Management Module EMM ***
- Connection sleeve **
- Scrolling Marquee Interface **
- Power cable connection side extension **
- Electronic starter 262-522 *
- DX free cooling system 262-522 *
- IP54 protection *

* Option

** Accessory

*** Option/Accessory