



# CONFIGURATION & OPTIONS LIST

**30RB 192 to 802**  
Effective Date: 1st Oct. 2010

Supersedes: New

Number: LP-2010-003

CAL-Export

**AQUASNAP™**  
with PURON® refrigerant

## 30RB192~802 AIR COOLED LIQUID CHILLER

Refrigerant: HFC-410A

Cooling Capacity: 193 kW ~ 758 kW



## 2010 30RB192-802 SERIES

Standard Models
30RB192
30RB232
30RB262
30RB342
30RB402
30RB522
30RB672
30RB802



Integrated hydronic module



Flying Bird IV axial flow low noise fan

## 30RB192~802 AIR COOLED LIQUID CHILLERS

MAJOR FEATURES	30RB	OPTIONS
Full-load factory run test	✓	
<b>Compressors</b>		
Direct start hermetic scroll compressor	✓	
Compressor over temperature protection (scroll protection module)	✓	
Compressor discharge shut off valves per circuit	✓	
Compressor rubber vibration isolators	✓	
Patented Compressor Anti-Short Cycling Protection	✓	
Crankcase heaters	✓	
<b>Refrigeration circuit</b>		
HFC-410A refrigerant charge	✓	
2~3 Independent refrigeration circuits	✓	
Long-stroke electronic expansion valve (EXV)	✓	
Moisture indicating sight glass	✓	
Manual liquid line shut off valve	✓	
Filter drier with removable core	✓	
<b>Evaporator</b>		
DX shell-and-tube cooler	✓	
Safety pressure relief valve	✓	
Victaulic water connections	✓	
19mm Evaporator insulation	✓	
Electronic chilled water flow switch	✓	
Low chilled water flow protection	✓	
<b>Air-cooled condenser</b>		
Cu/Al RTPF condenser coil		OPT
Micro-channel heat exchanger (MCHX)		OPT
Blygold PoluAL (1)		OPT
Gold Fin (1)		OPT
Super Enviro-shield MCHX coil (2)		OPT
FLYING BIRD IV low noise fan (960rpm)	✓	
<b>Power and control electrical box</b>		
400V-3Ph-50Hz mains power supply	✓	
24V control circuit	✓	
Main disconnect switch	✓	
<b>Safeties and controls</b>		
Pro-Dialog Plus control and display	✓	
Temperature & pressure display	✓	
Chilled water temperature reset based on outdoor air temperature	✓	
One step demand limit control	✓	
On/Off chilled water pump control	✓	
Dual set point	✓	
RS 485 CCN port	✓	
<b>Frame and casing</b>		
Frame and base rail with anti corrosion protection	✓	
Hydronic module with high pressure single pump (3)	✓	
Coil end side panel	✓	

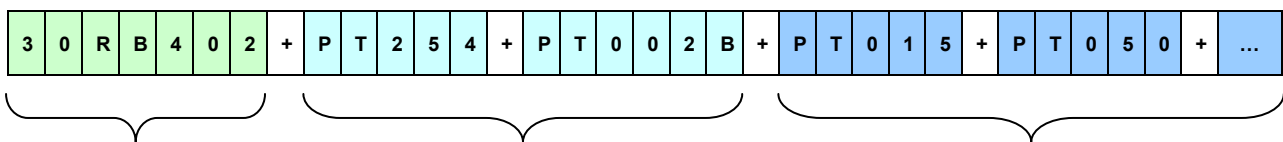
**Notes:**

- ✓ Standard features
- OPT Option
- (1) Blygold PoluAL and Goldfin is only available when unit is fitted with Cu/Al coil, option 254
- (2) Super Enviro-shield MCHX is only available on MCHX condenser coil
- (3) Integrated hydronic module is standard except for 30RB672/802

Unit paint color:

- All outdoor sheet metal: According to RAL 7035

## NOMENCLATURE



Models	Coil options*		Other options
30RB192	PT254	Cu/Al condenser coil	PT006 Brine
30RB232	PT254+PT002B	Cu/Al condenser coil with Blygold PoluAL	PT015 Low noise level
30RB262	PT254+PT003A	Cu/Al condenser coil with Gold Fin	PT028 Winter operation
30RB342	PT018	Bare MCHX coil	PT050 100% heat recovery
30RB402	PT018+PT263	Super Enviro-shield MCHX coil	PT118A Free cooling
30RB522			.....
30RB672			
30RB802			

\* Must designate the condenser type: Cu/Al condenser coil (proposed) or MCHX condenser coil

\*\* **Must add PT116D for 30RB672/802 standard unit**

Order examples:

- 30RB262 with Gold fin, packaging type 1, the unit code will be: 30RB262+PT254+PT003A+PKG-type-001
- 30RB672 with Blygold PoluAL, packaging type 2, the unit code will be:  
30RB672+PT254+PT002B+PT116D+PKG-type-002
- 30RB402 with Blygold PoluAL condenser coil, low noise level and 100% heat recovery, packaging type 3, the unit code will be: 30RB402+PT254+PT002B+PT015+PT050+PKG-type-003

## OPTIONS - FACTORY INSTALLED

Option	Description	Used on	Option code
002B	<b>Blygold PoluAL</b> (Post treatment) - Grey color - Passivation of the aluminum fin - Coating with aluminum oxide on fin area headers and manifold (25-30 microns) - Recommended for heavy marine and industrial environments <b>NOT compatible with PT003A / PT018 / PT263</b>	30RB192	PT254+PT002B
		30RB232	PT254+PT002B
		30RB262	PT254+PT002B
		30RB342	PT254+PT002B
		30RB402	PT254+PT002B
		30RB522	PT254+PT002B
		30RB672	PT254+PT002B
		30RB802	PT254+PT002B
003A	<b>Gold fin</b> (Pre-treatment) - Gold color - Aluminum coated with Epoxy layer and Polyurethane layer - Recommended for light marine environment <b>NOT compatible with PT002B / PT018 / PT263</b>	30RB192	PT254+PT003A
		30RB232	PT254+PT003A
		30RB262	PT254+PT003A
		30RB342	PT254+PT003A
		30RB402	PT254+PT003A
		30RB522	PT254+PT003A
		30RB672	PT254+PT003A
		30RB802	PT254+PT003A
006	<b>Brine</b> - Brine application down to -10°C leaving fluid temperature <b>NOT compatible with PT015LS / PT018 / PT049 / PT050 / PT118A / PT263</b>	30RB192	PT006
		30RB232	PT006
		30RB262	PT006
		30RB342	PT006
		30RB402	PT006
015	<b>Low noise level</b> - Compressor sound enclosure <b>NOT compatible with PT015LS</b>	30RB192	PT015
		30RB232	PT015
		30RB262	PT015
		30RB342	PT015
		30RB402	PT015
		30RB522	PT015
		30RB672	PT015
		30RB802	PT015
015LS	<b>Super low noise level</b> - Compressor sound enclosure and low-speed fans <b>NOT compatible with PT006 / PT015 / PT028B / PT118A</b>	30RB192	PT015LS
		30RB232	PT015LS
		30RB262	PT015LS
		30RB342	PT015LS
		30RB402	PT015LS
		30RB522	PT015LS
		30RB672	PT015LS
		30RB802	PT015LS

018	<b>Bare MCHX coils</b> - Micro-channel heat exchanger  <b>NOT compatible with PT002B / PT003A / PT006 / PT049 / PT050 / PT118A</b>	30RB192	PT018
		30RB232	PT018
		30RB262	PT018
		30RB342	PT018
		30RB402	PT018
		30RB522	PT018
		30RB672	PT018
		30RB802	PT018
023	<b>Protection grilles</b> - Metallic grilles on the four unit faces	30RB192	PT023
		30RB232	PT023
		30RB262	PT023
		30RB342	PT023
		30RB402	PT023
		30RB522	PT023
		30RB672	PT023
		30RB802	PT023
028	<b>Winter operation</b> - Fan speed control by frequency inverter for stable operation between 0 and -20°C outdoor air temperature  <b>NOT compatible with PT028B</b> <b>NOT compatible with PT050 on 30RB522</b>	30RB192	PT028
		30RB232	PT028
		30RB262	PT028
		30RB342	PT028
		30RB402	PT028
		30RB522	PT028
		30RB672	PT028
		30RB802	PT028
028B	<b>Winter operation B</b> - Fan speed control by 2 speed fan for stable operation between 0 and -10°C outdoor air temperature  <b>NOT compatible with PT015LS / PT028 / PT050</b>	30RB192	PT028B
		30RB232	PT028B
		30RB262	PT028B
		30RB342	PT028B
		30RB402	PT028B
		30RB522	PT028B
		30RB672	PT028B
		30RB802	PT028B
049	<b>Desuperheater</b> - Additional BPHE on discharge pipe allowing recovery up to 20% of heat rejection  <b>NOT compatible with PT006 / PT018 / PT050 / PT058 / PT118A / PT263</b>	30RB192	PT049
		30RB232	PT049
		30RB262	PT049
		30RB342	PT049
		30RB402	PT049
		30RB522	PT049
		30RB672	PT049
		30RB802	PT049


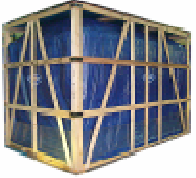
050	<b>Full heat recovery</b> - Water condenser allowing 100% recovery of the rejected heat <b>PT116D and PT254 must be added when selecting PT050</b> <b>NOT compatible with PT006 / PT018 / PT028B / PT049 / PT058 / PT116C / PT116F / PT116H / PT116I / PT263</b> <b>NOT compatible with PT028 on 30RB522</b>	30RB262	PT050
		30RB342	PT050
		30RB402	PT050
		30RB522	PT050
058	<b>Twinning</b> - Unit delivered with an additional leaving water sensor to be field installed for lead lag control of two units piped in parallel <b>Both units must be equipped with PT058</b> <b>NOT compatible with PT049 / PT050</b>	30RB192	PT058
		30RB232	PT058
		30RB262	PT058
		30RB342	PT058
		30RB402	PT058
		30RB522	PT058
		30RB672	PT058
30RB802	PT058		
092	<b>Suction service valve</b> - Shut-off valve per circuit on the compressor suction piping	30RB192	PT092
		30RB232	PT092
		30RB262	PT092
		30RB342	PT092
		30RB402	PT092
		30RB522	PT092
		30RB672	PT092
30RB802	PT092		
116C	<b>Hydronic module with high pressure dual pump</b> - Includes water strainer, high pressure dual pump, closed expansion tank, throttle valve, relief valve, gauge and anti-freeze protection down to -20°C <b>NOT compatible with PT050 &amp; other hydronic options</b>	30RB192	PT116C
		30RB232	PT116C
		30RB262	PT116C
		30RB342	PT116C
		30RB402	PT116C
30RB522	PT116C		
116D	<b>Unit without hydronic module</b>	30RB192	PT116D
		30RB232	PT116D
		30RB262	PT116D
		30RB342	PT116D
		30RB402	PT116D
30RB522	PT116D		
116F	<b>Hydronic module with low pressure single pump</b> - Includes water strainer, low pressure single pump, closed expansion tank, throttle valve, relief valve, gauge and anti-freeze protection down to -20°C <b>NOT compatible with PT050 &amp; other hydronic options</b>	30RB192	PT116F
		30RB232	PT116F
		30RB262	PT116F
		30RB342	PT116F
		30RB402	PT116F
30RB522	PT116F		


<b>116G</b>	<b>Hydronic module with low pressure dual pump</b> - Includes water strainer, low pressure dual pump, closed expansion tank, throttle valve, relief valve, gauge and anti-freeze protection down to -20°C <b>NOT compatible with PT050 &amp; other hydronic options</b>	30RB192	PT116G
		30RB232	PT116G
		30RB262	PT116G
		30RB342	PT116G
		30RB402	PT116G
		30RB522	PT116G
<b>116H</b>	<b>Hydronic module with super high pressure single pump</b> - Includes water strainer, very high pressure single pump, closed expansion tank, throttle valve, relief valve, gauge and anti-freeze protection down to -20°C <b>NOT compatible with PT050 &amp; other hydronic options</b>	30RB192	PT116H
		30RB232	PT116H
		30RB262	PT116H
		30RB342	PT116H
		30RB402	PT116H
		30RB522	PT116H
<b>116I</b>	<b>Hydronic module with super high pressure dual pump</b> - Includes water strainer, very high pressure dual pump, closed expansion tank, throttle valve, relief valve, gauge and anti-freeze protection down to -20°C <b>NOT compatible with PT050 &amp; other hydronic options</b>	30RB192	PT116I
		30RB232	PT116I
		30RB262	PT116I
		30RB342	PT116I
		30RB402	PT116I
		30RB522	PT116I
<b>148B</b>	<b>CCN to J-Bus gateway (CCN Translator)</b> - This option allows data exchange between the chiller and Building Management System using J-Bus open protocol <b>NOT compatible with PT148C / PT148D</b>	30RB192	PT148B
		30RB232	PT148B
		30RB262	PT148B
		30RB342	PT148B
		30RB402	PT148B
		30RB522	PT148B
		30RB672	PT148B
		30RB802	PT148B
<b>148C</b>	<b>CCN to BacNet gateway (CCN Translator)</b> - This option allows data exchange between the chiller and Building Management System using BacNet open protocol <b>NOT compatible with PT148B / PT148D</b>	30RB192	PT148C
		30RB232	PT148C
		30RB262	PT148C
		30RB342	PT148C
		30RB402	PT148C
		30RB522	PT148C
		30RB672	PT148C
		30RB802	PT148C
<b>148D</b>	<b>CCN to LonTalk gateway (CCN Translator)</b> - This option allows data exchange between the chiller and Building Management System using LonTalk open protocol <b>NOT compatible with PT148B / PT148C</b>	30RB192	PT148D
		30RB232	PT148D
		30RB262	PT148D
		30RB342	PT148D
		30RB402	PT148D
		30RB522	PT148D
		30RB672	PT148D
		30RB802	PT148D



156	<b>Energy management module (EMM)</b> Provides additional contact for: Temperature reset (space temperature and 4-20 mA).Capacity control (4-20mA and 3 steps). Occupancy override, Chiller capacity, Compressor running output	30RB192	PT156
		30RB232	PT156
		30RB262	PT156
		30RB342	PT156
		30RB402	PT156
		30RB522	PT156
		30RB672	PT156
		30RB802	PT156
254	<b>Cu/Al condenser coils</b> - Coils made of copper tube with aluminium fins  <b>NOT compatible with PT018 / PT263</b>	30RB192	PT254
		30RB232	PT254
		30RB262	PT254
		30RB342	PT254
		30RB402	PT254
		30RB522	PT254
		30RB672	PT254
		30RB802	PT254
263	<b>Super Enviro-shield MCHX coils</b> - Post treatment of E-Coating on MCHX coils to improve the anti-corrosion performance in Marine or industrial environment  <b>NOT compatible with PT002B / PT003A / PT006 / PT049 / PT050 / PT254</b>	30RB192	PT018+PT263
		30RB232	PT018+PT263
		30RB262	PT018+PT263
		30RB342	PT018+PT263
		30RB402	PT018+PT263
		30RB522	PT018+PT263
		30RB672	PT018+PT263
		30RB802	PT018+PT263

## EXPORT CRATING

PKG-type	Used on	Dimensions L*W*H (mm)	Qty per 20' GP	Qty per 40' GP	Qty per 40' HC	Net weight (kg)	Gross weight (kg)
<b>001</b>    Wooden skid, plastic wrap	30RB192PT254	2890*2270*2500	NA	NA	4	2,320	2,620
	30RB232PT254	2890*2270*2500	NA	NA	4	2,330	2,630
	30RB262PT254	2890*2270*2500	NA	NA	4	2,510	2,810
	30RB342PT254	3900*2270*2500	NA	NA	3	3,320	3,662
	30RB402PT254	3900*2270*2500	NA	NA	3	3,550	3,892
	30RB522PT254	5180*2270*2520	NA	NA	2	4,480	5,029
	30RB672PT254	6330*2270*2520	NA	NA	1	5,640	6,285
	30RB802PT254	7530*2270*2520	NA	NA	1	6,510	7,261
	30RB192PT018	2890*2270*2500	NA	NA	4	2,192	2,492
	30RB232PT018	2890*2270*2500	NA	NA	4	2,202	2,502
	30RB262PT018	2890*2270*2500	NA	NA	4	2,370	2,670
	30RB342PT018	3900*2270*2500	NA	NA	3	3,156	3,498
	30RB402PT018	3900*2270*2500	NA	NA	3	3,350	3,692
	30RB522PT018	5180*2270*2520	NA	NA	2	4,222	4,771
	30RB672PT018	6330*2270*2520	NA	NA	1	5,289	5,934
	30RB802PT018	7530*2270*2520	NA	NA	1	6,120	6,871
<b>002</b>    Wooden skid, plastic wrap & light open wooden crate	30RB192PT254	2650*2440*2610	NA	NA	NA	2,320	2,620
	30RB232PT254	2650*2440*2610	NA	NA	NA	2,330	2,630
	30RB262PT254	2650*2440*2610	NA	NA	NA	2,510	2,810
	30RB342PT254	3790*2440*2610	NA	NA	NA	3,320	3,676
	30RB402PT254	3790*2440*2610	NA	NA	NA	3,550	3,906
	30RB522PT254	5040*2490*2720	NA	NA	NA	4,480	5,323
	30RB672PT254	6230*2530*2720	NA	NA	NA	5,640	6,777
	30RB802PT254	7430*2530*2720	NA	NA	NA	6,510	7,801
	30RB192PT018	2650*2440*2610	NA	NA	NA	2,192	2,492
	30RB232PT018	2650*2440*2610	NA	NA	NA	2,202	2,502
	30RB262PT018	2650*2440*2610	NA	NA	NA	2,370	2,670
	30RB342PT018	3790*2440*2610	NA	NA	NA	3,156	3,512
	30RB402PT018	3790*2440*2610	NA	NA	NA	3,350	3,706
	30RB522PT018	5040*2490*2720	NA	NA	NA	4,222	5,065
	30RB672PT018	6230*2530*2720	NA	NA	NA	5,289	6,426
	30RB802PT018	7430*2530*2720	NA	NA	NA	6,120	7,411

<p><b>003</b></p>  <p>Wood skid, slated crate 70% open, transparent plastic bag</p>	30RB192PT254	2670*2490*2670	NA	NA	NA	2,320	2,620
	30RB232PT254	2670*2490*2670	NA	NA	NA	2,330	2,630
	30RB262PT254	2670*2490*2670	NA	NA	NA	2,510	2,810
	30RB342PT254	3620*2490*2670	NA	NA	NA	3,320	3,676
	30RB402PT254	3620*2490*2670	NA	NA	NA	3,550	3,906
	30RB522PT254	5040*2490*2670	NA	NA	NA	4,480	5,323
	30RB672PT254	6230*2490*2670	NA	NA	NA	5,640	6,500
	30RB802PT254	7400*2490*2670	NA	NA	NA	6,510	7,480
	30RB192PT018	2670*2490*2670	NA	NA	NA	2,192	2,492
	30RB232PT018	2670*2490*2670	NA	NA	NA	2,202	2,502
	30RB262PT018	2670*2490*2670	NA	NA	NA	2,370	2,670
	30RB342PT018	3620*2490*2670	NA	NA	NA	3,156	3,512
	30RB402PT018	3620*2490*2670	NA	NA	NA	3,350	3,706
	30RB522PT018	5040*2490*2670	NA	NA	NA	4,222	5,065
	30RB672PT018	6230*2490*2670	NA	NA	NA	5,289	6,149
30RB802PT018	7400*2490*2670	NA	NA	NA	6,120	7,090	