

# ThermoQueen

BY QUEEN G INDUSTRIES



# General Catalog

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Condensing Unit & Monoblock & Evaporator



**PROUDLY AMERICAN**



[www.queeng.us](http://www.queeng.us)

## R290 Monoblock Refrigeration Unit

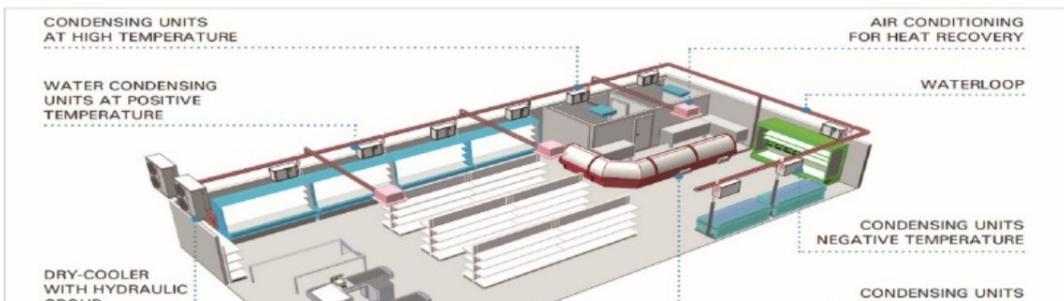
### Inverter Water Cooled Condensing Unit



Medium-Low temperature  
Single phase 220V or three phase 380V



Model	GL-BSN30EL-SL	GL-BSN40FL-SL	GL-BSN50FL-SL	GL-BRN60FL-SL	GL-BRN70FL-SL	GL-BSN80FL-SL	GL-BRN100FL-SL	
Horsepower (HP)	3 HP	4 HP	5 HP	6 HP	7 HP	8 HP	10 HP	
Power supply	Single phase 220V		Three phase 380V					
Evap. Temp. Range (°C)	-40~-5°C							
Ambient temp. range (°C)	-7~43°C							
Refrigerant	R404A, R448A, R449A							
Speed range	30~80Hz		30~90Hz					
Max run current (A)	12	12	14	16	16	18	20	
Water pipe	Water inlet OD	3/4"						
	Water outlet OD	3/4"						
Refrigerant pipe	Gas inlet OD	Φ12.7(1/2")	Φ15.88(5/8")	19.05(3/4")		Φ22.7(7/8")		
	Liquid outlet OD	Φ9.52(3/8")	Φ9.52(3/8")	12.7(1/2")		Φ15.88(5/8")		
External dimension	L*W*H (mm) 975*420*680							
Installation pitch of holes	φ 12-530*380							
Refrigeration capacity	Evap.Temp. (°C)	Refrigeration capacity: W		Ambient temp.:32°C		Speed:80Hz		
	-40°C	1670	2466	2802	3082	3110	3649	4147
	-30°C	2970	3799	4317	4748	5391	6326	7189
	-20°C	4362	5912	6719	7390	8394	9849	11193
-10°C	5969	8804	10005	11005	12236	14357	16315	



### R290 Monoblock Refrigeration Unit

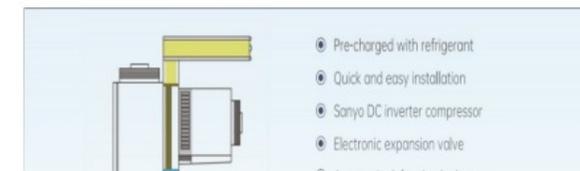
The future in refrigeration is natural refrigerants.

Monoblock Refrigeration Units with propane are already indispensable in the refrigeration industry. In Europe, all newly installed plug-in-ready refrigerated cabinets in supermarkets are cooled with the natural refrigerant propane. There are no significant alternatives that can compete with hydrocarbons in terms of efficiency and environmental protection. This is unlikely to change in the future. And also for cold rooms and their small condensing units. Propane is the refrigerant of your choice if you emphasize with the environment and energy efficiency.



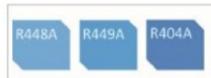
The monoblock refrigeration system is a type of refrigeration system that integrates multiple components, including the compressor, condenser, and evaporator, into a single unit. This advanced system combines cutting-edge technology with exceptional performance to deliver efficient and reliable refrigeration. With a powerful cooling capacity, it ensures rapid and consistent temperature control.

It comes already pre-assembled and attached to a cold room panel. One part, the evaporator, is attached to the inner site of the panel. Outside, there is the condenser, compressor and all other electric parts. The unit is pre-tested, pre-charged and ready to go. This makes it very easy and fast for installation.



# Top Mount Monoblock Refrigeration Unit

## Top Mount Monoblock Refrigeration Unit



Medium-Low temperature  
Single phase 220V/50Hz or 220V/60Hz

Model	GL-BYTDN10EL	GL-BYTDN20EL	GL-BYTDN30EL	
Horsepower (HP)	1 HP	2 HP	3 HP	
Power supply	Single phase 220V/50Hz or 220V/60Hz			
Evap. Temp. Range (°C)	-35~-5°C			
Ambient temp. range (°C)	-7~-43°C			
Refrigerant	R404A, R448A, R449A			
Max. run current (A)	5	9	13	
Rated input power (W)	780	1550	2260	
Compressor	Sanyo inverter compressor			
	C-6RHSV63L0B	C-7RHVN113L0B	C-7RHVN153L0B	
Speed range	30~80Hz			
Defrost	Hot gas defrost			
Pressure control	High pressure switch/Low pressure switch			
Condenser fan motor	Power (W)	23	23	23
	QTY (PCS)	2	3	3
Evaporator fan motor	Power (W)	36	36	36
	QTY (PCS)	2	3	3
External dimension	Length ±3 (mm)	987	1187	1347
	Width ±3(mm)	522	577	607
	Height ±3 (mm)	590	590	590
Net weight (Kg)	71 KG	82 KG	105 KG	
Applicable volume	Cold room (2~8°C)	<12m <sup>3</sup>	<25m <sup>3</sup>	<40m <sup>3</sup>
	Freezer room (-18°C)	<7m <sup>3</sup>	<15m <sup>3</sup>	<25m <sup>3</sup>
Refrigeration capacity	Evap. Temp.(°C)	Refrigeration capacity: W	Ambient temp: 32°C	Speed: 70Hz
	-35°C	760	1520	2050
	-25°C	1020	2300	3230
	-15°C	1510	3050	4350

## Top Mount Monoblock Refrigeration Unit

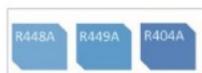


Medium-Low temperature  
Single phase 220V/50Hz or 220V/60Hz

Model	GL-BYTD07EL	GL-BYTD10EL	GL-BYTD20EL	GL-BYTD30EL	
Horsepower (HP)	0.7 HP	1 HP	2 HP	3 HP	
Power supply	Single phase 220V/50Hz or 220V/60Hz				
Evap. Temp. Range (°C)	-35~-5°C				
Ambient temp. range (°C)	-7~-43°C				
Refrigerant	R290				
Max. run current (A)	3	8	11	17	
Rated input power (W)	540	680	1400	1980	
Compressor	Sanyo inverter compressor				
	C-6RHZ092L9AAL	C-6RHZ125L9AAL	C-7RHZ233L9AAL	C-7RHZ320L9AAL	
Speed range	30~80Hz				
Defrost	Hot gas defrost				
Pressure control	High pressure switch/Low pressure switch				
Condenser fan motor	Power (W)	23	23	23	
	QTY (PCS)	2	2	3	3
Evaporator fan motor	Power (W)	36	36	36	
	QTY (PCS)	2	2	2	3
External dimension	Length ±3 (mm)	987	987	1187	1347
	Width ±3(mm)	522	522	577	607
	Height ±3 (mm)	590	590	590	590
Net weight (Kg)	69 KG	69 KG	80 KG	100 Kg	
Applicable volume	Cold room (2~8°C)	<8m <sup>3</sup>	<12m <sup>3</sup>	<25m <sup>3</sup>	<40m <sup>3</sup>
	Freezer room (-18°C)	<4m <sup>3</sup>	<7m <sup>3</sup>	<15m <sup>3</sup>	<25m <sup>3</sup>
Refrigeration capacity	Evap. Temp.(°C)	Refrigeration capacity: W	Ambient temp: 32°C	Speed: 70Hz	
	-35°C	520	690	1410	1820
	-25°C	680	910	2100	2930
	-15°C	1100	1400	2710	3650

## Top Mount Monoblock — Extended Range

### Top Mount Monoblock Refrigeration Unit



Mediul-Low temperature  
Single phase 220V/50Hz or 220V/60Hz

Model		GL-BYTDN10EL	GL-BYTDN20EL	GL-BYTDN30EL
Horsepower (HP)		1 HP	2 HP	3 HP
Power supply		Single phase 220V/50Hz or 220V/60Hz		
Evap. Temp. Range (°C)		-35--5°C		
Ambient temp. range (°C)		-7-43°C		
Refrigerant		R404A		
Max. run current (A)		5	9	13
Rated input power (W)		780	1550	2260
Compressor		Sanyo inverter compressor		
		C-6RHVN63LOB	C-7RHVN113LOB	C-7RHVN153LOB
Speed range		30-80Hz		
Defrost		Hot gas defrost		
Pressure control		High pressure switch/Low pressure switch		
Condenser fan motor	Power (W)	120	150	150
	QTY (PCS)	1	1	1
Evaporator fan motor	Power (W)	60	60	60
	QTY (PCS)	2	3	3
External dimension	Length ±3 (mm)	1190	1190	1190
	Width ±3(mm)	950	950	950
	Height ±3 (mm)	690	690	690
Net weight (Kg)		80 Kg	100 Kg	120 Kg
Applicable volume	Cold room (2-8°C)	<12m <sup>3</sup>	<25m <sup>3</sup>	<40m <sup>3</sup>
	Freezer room (-18°C)	<7m <sup>3</sup>	<15m <sup>3</sup>	<25m <sup>3</sup>
Refrigeration capacity	Evap. Temp.(°C)	Refrigeration capacity: W	Ambient temp: 32°C	Speed: 70Hz
	-35°C	760	1520	2050
	-25°C	1020	2300	3230
	-15°C	1560	3050	4350
	-5°C	2250	4280	6850

### Top Mount Monoblock Refrigeration Unit



Mediul-Low temperature  
Single phase 220V/50Hz or 220V/60Hz

Model		GL-BYDDR07EL	GL-BYDDR10EL	GL-BYDDR20EL	GL-BYDDR30EL
Horsepower (HP)		0.7 HP	1 HP	2 HP	3 HP
Power supply		Single phase 220V/50Hz or 220V/60Hz			
Evap. Temp. Range (°C)		-35--5°C			
Ambient temp. range (°C)		-7-43°C			
Refrigerant		R290			
Max. run current (A)		3	8	11	17
Rated input power (W)		540	680	1400	1980
Compressor		Sanyo inverter compressor			
		C-6RHZ092L9AAL	C-6RHZ125L9AAL	C-7RHZ233L9AAL	C-7RHZ320L9AAL
Speed range		30-80Hz			
Defrost		Hot gas defrost			
Pressure control		High pressure switch/Low pressure switch			
Condenser fan motor	Power (W)	120	120	150	150
	QTY (PCS)	1	1	1	1
Evaporator fan motor	Power (W)	60	60	60	60
	QTY (PCS)	2	2	3	3
External dimension	Length ±3 (mm)	1190	1190	1190	1190
	Width ±3(mm)	950	950	950	950
	Height ±3 (mm)	690	690	690	690
Net weight (Kg)		80 Kg	80 Kg	100 Kg	120 Kg
Applicable volume	Cold room (2-8°C)	<8m <sup>3</sup>	<12m <sup>3</sup>	<25m <sup>3</sup>	<40m <sup>3</sup>
	Freezer room (-18°C)	<4m <sup>3</sup>	<7m <sup>3</sup>	<15m <sup>3</sup>	<25m <sup>3</sup>
Refrigeration capacity	Evap. Temp.(°C)	Refrigeration capacity: W	Ambient temp: 32°C	Speed: 70Hz	
	-35°C	520	690	1410	1820
	-25°C	680	910	2100	2930
	-15°C	1180	1420	2760	4050
	-5°C	1500	2000	3890	6350

# ThermoQueen

BY QUEEN G INDUSTRIES



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