



Ultra Compact  
Enhanced Durability

# BCA RECIPROCATING COMPRESSOR

**ECO  
FRIENDLY  
REFRIGERANT**

Small, has it all.



**LG Electronics Component Solutions**

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**For more information**

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# BCA Reciprocating Compressor Highlight



## Why LG BCA Reciprocating Compressor?

The LG BCA Series is the smallest compressor in LG's reciprocating compressor platform, offering powerful cooling performance with a compact and lightweight design. The BC series significantly improves its durability, reducing vibration and noise that can occur while the vehicle is driving. Also, it is available with AC/DC input, applied in various applications where refrigeration needs.



## Features and Benefits

### Efficient Solution for Energy Saving Efficient

The BC Series is a variable speed compressor that can adjust its energy use. Also its extended operation range down to 35hz allow the refrigeration system operate more efficiently. When it applied to the battery-driven product, it is suitable for longer battery-use time.

### Durability

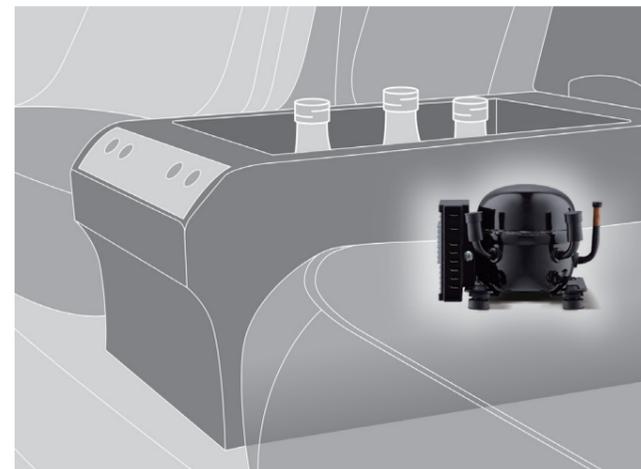
The compressor's enhance its structures considering the vehicle driving conditions, minimized vibration and noise level when compressor tilted.

### Best Choice for Compact Application

LG's BC Series is available with AC/DC input, R600a, and R134a refrigerant. From the water purifier to the mobile refrigerator, the BC series is the best choice for any type of compact refrigeration without sacrificing any more space.

### Various Applications

Thanks to its extremely compact size, it can be equipped in any category of refrigerator.



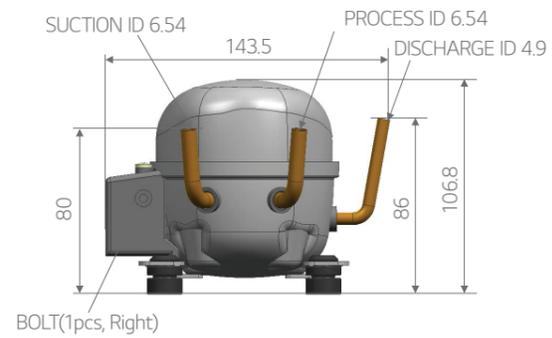
AC (R600A)		
Water purifier	Beverage machine	Medical refrigerator
DC (R134A)		
Sedan refrigerator	Portable refrigerator for RV	Bus refrigerator
Yacht refrigerator	Air craft refrigerator	

## Specifications & Dimension

Application : LBP

Refrigerant	Series	Model	Motor type	Voltage [V]	Frequency [Hz]	Test condition	Speed range [RPM]	Speed [RPM]	Performance					Dimension	
									Capacity			EER [Btu/W-hr]	COP [W/W]	Height [mm]	
									[Kcal/hr]	[Btu/W-hr]	[Watts]				
R134A	BCA	BCA015LAW	BLDC	12 / 24 DC	50 / 60	2,700 ~ 4,500	4,200	ASHRAE -23.3°C / 54.7°C	28	112	33	4.18	1.22	98	
									25	100	29	3.70	1.08		
									21	83	24	3.26	0.95		
									17	67	20	3.04	0.89		
		BCA018LAW	BLDC	12 / 24 DC	50 / 60	2,700 ~ 4,500	4,200	ASHRAE -23.3°C / 54.6°C	4,200	42	165	48	3.91	1.15	98
										38	151	44	3.44	1.01	
										35	139	41	3.04	0.89	
										29	117	34	2.84	0.83	
		BCA018LAMV	BLDC	220 ~ 240	50 / 60	2,400 ~ 4,200	4,200	ASHRAE -23.3°C / 54.5°C	3,600	38	151	44	4.37	1.28	98
										35	139	41	4.37	1.28	
										29	117	34	4.46	1.31	
										24,000	29	117	34	4.46	
BCA018LBWV	BLDC	100 ~ 127	50 / 60	2,400 ~ 4,200	4,200	ASHRAE -23.3°C / 54.5°C	3,600	42	165	48	4.02	1.18	98		
								38	151	44	4.28	1.25			
								35	139	41	4.28	1.25			
								29	117	34	4.37	1.28			
R600A	BCA	BCA030NAMV	BLDC	220 ~ 240	50 / 60	2,400 ~ 4,200	4,200	ASHRAE -23.3°C / 54.4°C	52	206	60	5.04	1.48	98	
									49	193	57	5.08	1.49		
									41	161	47	5.07	1.48		
									30	118	35	4.26	1.25		
		BCA030NAMV	BLDC	220 ~ 240	50 / 60	2,400 ~ 4,200	4,200	ASHRAE -23.3°C / 54.4°C	3,600	52	206	60	4.62	1.35	98
										49	193	57	4.67	1.37	
										41	161	47	4.62	1.35	
										30	118	35	3.92	1.15	

### - AC



### - DC

