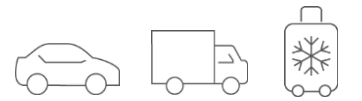




Ultra Compact
Enhanced Durability

LG BC SERIES RECIPROCATING COMPRESSOR

Small, has it all.



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For more information

Visit <https://www.lg.com/global/business/compressor-motor>

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BC Series Reciprocating Compressor Highlight



Why LG BC Series Reciprocating Compressor?

The LG BC 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. It is available for various applications where refrigeration is needed.



Specifications & Dimension

Refrigerant	Series	Model	Motor Type	Voltage	Frequency	Test condition	Speed Range	Speed	Performance					Dimension	
									Capacity			EER	COP		Height
									[Kcal/hr]	[Btu/Whr]	[Watts]				
R134a	BCK	BCK015LCVV	BLDC	12 / 24 DC	-	ASHRAE LBP	2,700 ~ 4,500	4,500	38	150	44	4.47	1.31	96	
								3,600	31	123	36	4.40	1.31		
								3,000	26	102	30	4.36	1.28		
								2,400	23	92	27	3.93	1.15		
	BCK	BCK025LAVV	BLDC	12 / 24 DC	-	ASHRAE LBP	2,700 ~ 4,500	4,500	46	184	54	4.51	1.32	96	
								3,600	38	150	44	4.51	1.32		
								3,000	32	126	37	4.44	1.30		
								2,700	28	109	32	3.93	1.15		
R600a	BCK	BCK035NHMV	BLDC	220 ~ 240	50 / 60	ASHRAE LBP	2,700 ~ 4,500	4,500	65	256	75	4.63	1.36	96	
								3,600	52	208	61	4.63	1.36		
								3,000	45	178	52	4.50	1.32		
								2,400	32	127	37	3.90	1.14		

* Test Conditions :
ASHRAE LBP (Rated Point) : Teva : -23.3°C / Tcond : 54.4°C

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 allows the refrigeration system operate more efficiently. When it applied to the battery-driven product, it is suitable for longer battery-use time.

Durability

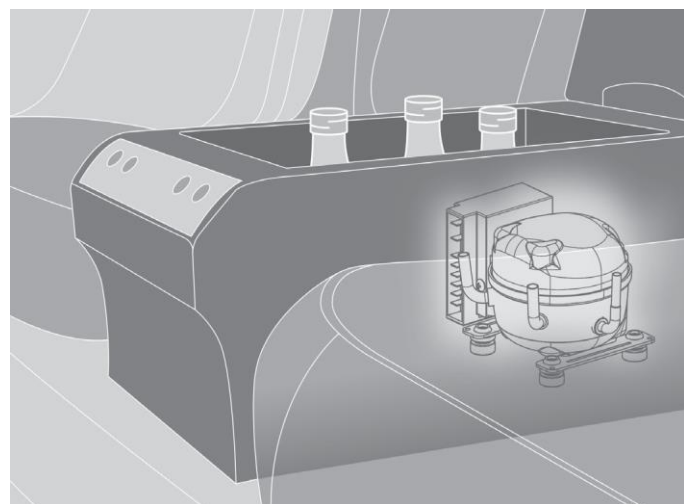
The compressor's enhance its structures considering the vehicle driving conditions, minimized vibration and noise level when compressor tilted.

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	

