



Reciprocating Compressor

Compressor Technology for Refrigerator



Offer innovative
solutions
for a better quality of life

DAEWOO Compressor



DAEWOO Compressor is a continuously evolving company with high-precision machining and assembly technologies from accumulated techniques for generating sustainable compressors.

Within our core application areas Household, Light Commercial, we are dedicated to continue creating and supporting intelligent solutions that shape our customers' business and marketplaces.

In order to offer you a diverse product portfolio of refrigerator compressors, we cover constant and inverter of Reciprocating Compressor with both low and high pressure.

DAEWOO Compressor promises to deliver a satisfaction level that exceeds customers expectations at all stages of business activity ranging from research & development to the spec-in, and strives to provide the highest value to our customers through a fast, accurate, and differentiated service & solution as your business partner.

Across the world people want refrigeration and cooling systems to be more effective, more efficient and more responsible. DAEWOO Compressor is set up to do just that.



Vision

The World Best Energy Solution Provider

Global Top Tier Domestic Market

Top 1 Company

Business
Strategy

Energy Solution Product

World Best Quality

Customer Insight

People

*Experts
Based on Passion & Speed*

Culture

Creativity & Autonomy



Brief History

1977

Established compressor plant in Incheon city in KOREA
Started the production of M-series

1993

Developed and started producing YE & YG & YH Series
Production capacity exceeded 2.0 million
(units per year)

2001

Started producing DS-series
WX-series small capacity compressors

2008

Developed and Started producing
High-Efficient model NW-series

2010

Moved compressor factory to Gwang-ju city
(5.0 million capacities)

DAEWOO
COMPRESSOR



2013

Developed and started producing Inverter compressor VNW-series / Produced the full range of R134a and R600a compressors

2015

Introduction of Super High Efficiency Compressor GD-Series (COP 2.0)

2016

Developed high efficient BLDC model VNW
Developed super high efficient model GD

2017

Introduction of World Top Tier efficiency Inverter compressor VGD-Series

2019

Development of Super mini Inverter NEO-Series

China(OEM)

Hangzhou (DM/DQ)

Korea(HQ)

Gwangju
(GD, NW, YE, WX
VNW, VGD, NEO)

Quality



NOISE TEST ROOM

With the product quality and safety evaluation system that performs basic quality and safety evaluation for products at every production stage. Under the quality gate system, all our products undergo a safety check at each quality gate based on a checklist, preventing shipments of products with quality or safety issues.

We also have achieved recognition our quality and sustainability from all over the world.



PERFORMANCE TEST



PERFORMANCE TEST



RELIABILITY TEST

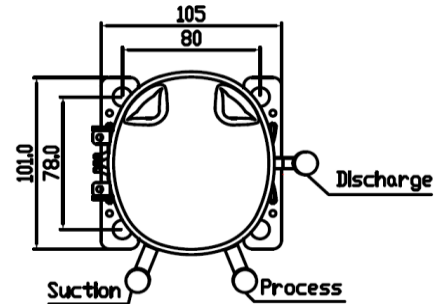
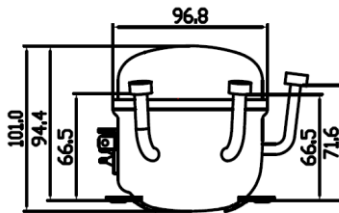
Product Line-UP & Dimensions

BLDC Model

NEO



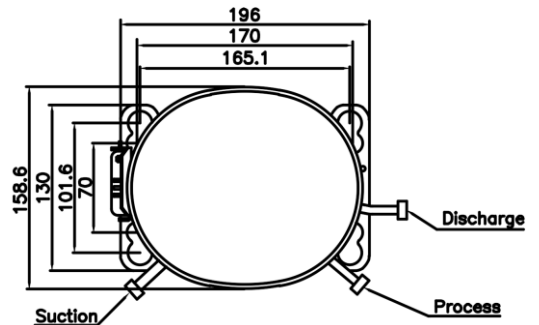
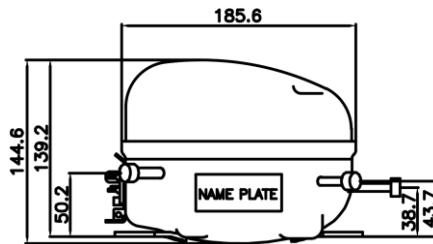
- Super High Efficiency by BLDC
- Optimized and Lowest Sound
- Small and Light in Weight



VGD



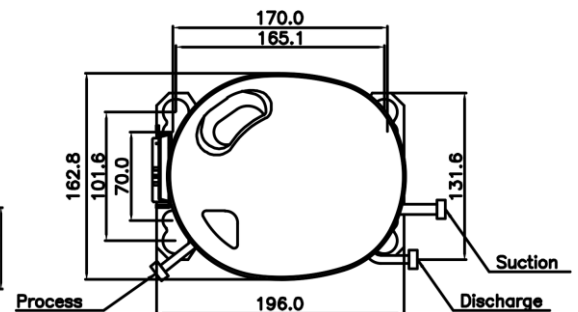
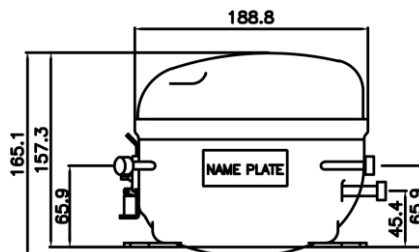
- Variable speed type
- Medium & Large size refrigerator (200-600L)
- High efficiency



VNW



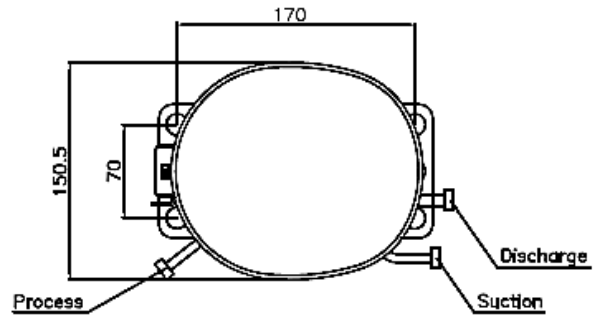
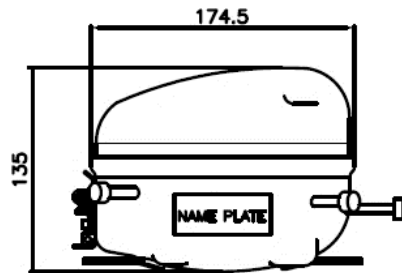
- Variable speed type
- Large & Super large size refrigerator (600-800L)
- Strong freezing power



Product Line-UP & Dimensions

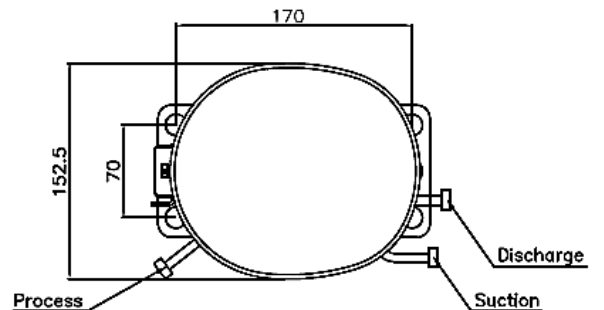
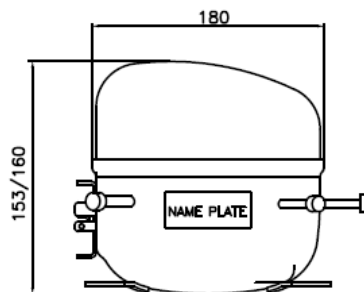
BLDC Model

VFM



- Variable speed type
- Medium sized refrigerator (200-600L)

VFC



- Variable speed type
- Large & Super large size refrigerator (500-800L)

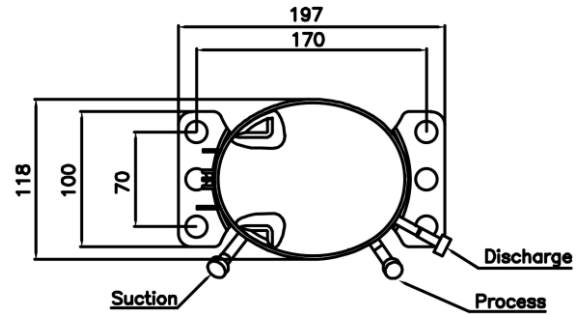
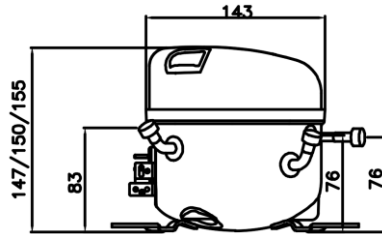
Product Line-UP & Dimensions

Constant Speed Model

DM



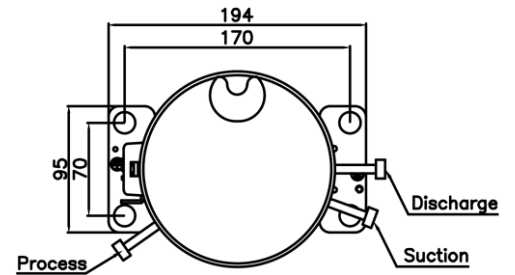
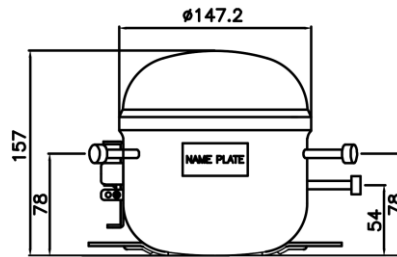
- Small size
- Water purifier & Small Ref.



WX



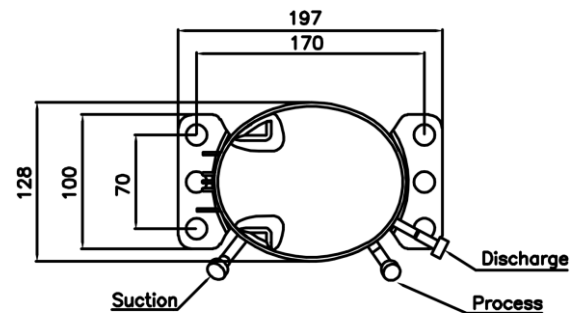
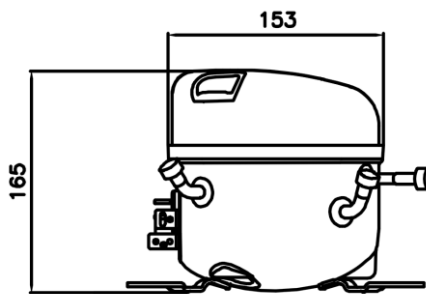
- Small size & Small-Medium
- Water purifier & Small Ref.



DP



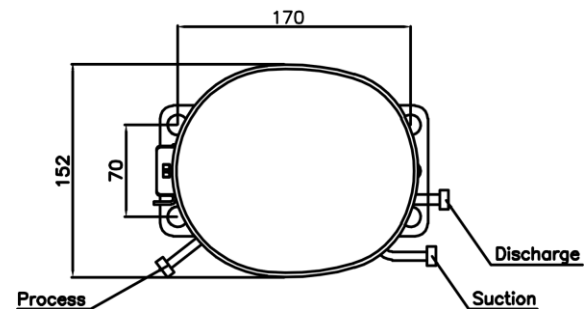
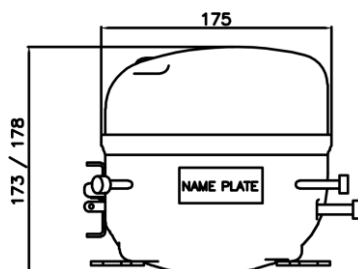
- Small size & Small-Medium
- Kimchi refrigerator & Small Ref.



DQ



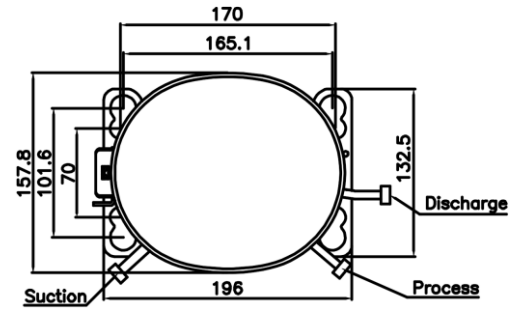
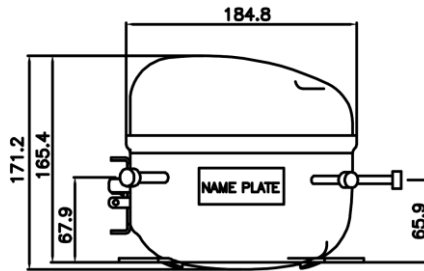
- Medium size
- Commercial & Medium size Ref.



Product Line-UP & Dimensions

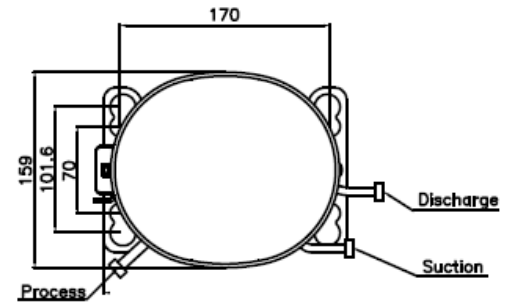
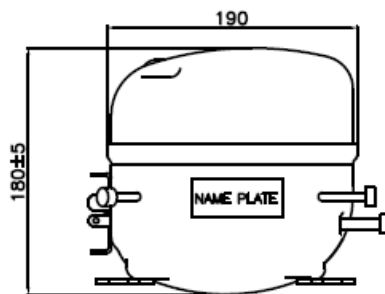
Constant Speed Model

GD



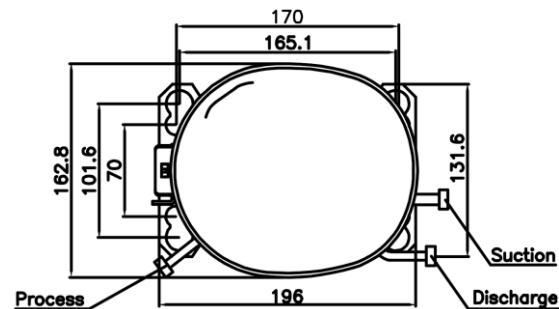
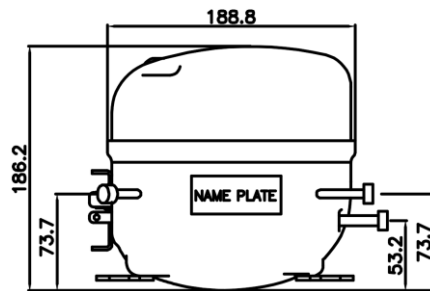
- Medium & mid - Large
- Hi-Efficiency
- Commercial & Medium size Ref.

DW



- Large size
- Show case
- Commercial & Large size Ref.

NW



- Large size
- Show case
- Commercial & Large size Ref.

Product Range



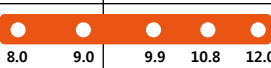




Constant Speed

Test Condition	Refrigerant	Series Displacement [cc/rev]	Capacity (W)				
			0	100	200	300	400
ASHRAE LBP	R134a	WX [2.4~4.5]	(50) (122)				
		GD [5.3~6.9]		(160) (255)			
		NW [8.0~12.0]			(281) (430)		
		DM [2.0~3.5]	(40) (95)				
		DP [4.3~5.2]	(110) (157)				
		DQ [6.0~8.0]		(168) (230)			
		DW [9.1~9.9]		(226) (265)			
	R600a	WX [2.4~4.5]	(35) (83)				
		GD [6.0~12.1]	(120) (255)				
		DM [2.4~4.3]	(35) (83)				
		DP [3.5~8.0]	(53) (140)				
		DQ [4.3~11.8]	(100) (200)				
		DW [11.0~15.3]		(220) (288)			
	R290	DP [3.5~4.5]	(75) (150)				
		DQ [5.2~6.0]		(200) (320)			
		DW [7.0~11.0]			(350) (500)		





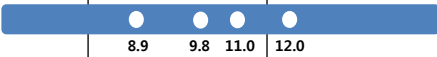

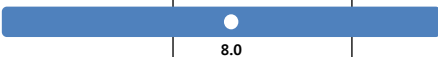


Test Condition

Test Condition	ASHRAE	
	LBP	HBP
Evaporating Temperature	-23.3 °C (-10 °F)	7.2 °C (45 °F)
Condensing Temperature	54.4 °C (130 °F)	54.4 °C (130 °F)
Ambient Temperature	32.2 °C (90 °F)	35.0 °C (95 °F)
Gas Superheated to	32.2 °C (90 °F)	46.1 °C (115 °F)
Liquid Subcooled to	32.2 °C (90 °F)	35.0 °C (95 °F)

Constant Speed

Test Condition	Refrigerant	Series Displacement [cc/rev]	Capacity (W)				
			0	400	800	1200	1600
ASHRAE HBP	R134a	WX [2.4~4.5]	(220)  (448)				
		GD [5.3~6.9]		(550)  (880)			
		NW [8.0~12.0]			(1000)  (1500)		
		DM [2.4~3.5]	(200)  (401)				
		DP [3.3~5.2]	(300)  (540)				
		DQ [6.5]		 (580)			
		DW [9.1]				 (896)	

Variable Speed

Test Condition	Refrigerant	Series Displacement [cc/rev]	Speed Range [RPM]	Capacity (W)					
				0	100	200	300	400	1300
ASHRAE LBP	R600a	NEO [3.0]	2,700 ~ 4,200	(32)  (62)					
		VNW [12.0]	1,200 ~ 4,500		(90)  (320)				
		VFM [5.2~8.8]	1,200 ~ 4,500	(35)  (210)					
		VFC [6.2~11.0]	1,200 ~ 4,500	(45)  (260)					
		VGD [8.9~12.0]	1,000 ~ 4,500	(60)  (300)					
	R134a	NEO [1.4~1.8]	2,400 ~ 4,200	(29)  (55)					
	VNW [8.0]	1,200 ~ 4,500	(100)  (342)						
ASHRAE HBP	R134a	NEO [1.4~2.2]	2,400 ~ 4,200	(111)  (314)					
		VNW [8.0]	1,200 ~ 4,500				(430)  (1220)		

Model Identification

GD 89 L I P 5 A - L

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

NO	CONTENTS			
①	Series name	DM WX JX NW GD		
②	Displacement (cc/rev) x10	22 : 2.18cc, 24 : 2.54cc, 25 : 2.54cc, 30 : 3.06cc, 35 : 3.50cc, 46 : 4.55cc, 52 : 5.22cc, 60 : 5.99cc, 70 : 6.85cc, 80 : 7.89cc, 90 : 8.93cc, 99 : 9.82cc, 108 : 10.81cc, 120 : 12.00cc, 143 : 14.28cc		
③	Application	L : L B P (Low Back Pressure) H : H B P (High Back Pressure)		
④	Refrigerant	H : R134a I : R600a		
⑤	Motor type	PTC	100V Series	F: RSIR E: RSCR C: CSIR B: CSR
			220V Series	S: RSIR P: RSCR K: CSIR D: CSR
		C-relay	100V Series	R: RSIR N: CSIR
			220V Series	T: RSIR G: CSIR
⑥	Voltage & Frequency	0: 100V 50/60Hz		5: 220-240V 50Hz
		1: 110-115V 60Hz		
		2: 127V 60Hz		7: 115-127V 60Hz
		3: 110V 60Hz		8: 220-240V 50Hz / 220V 60Hz
		4: 220V 60Hz		9: 110V 50Hz
⑦	Improvement order	A , B , C , ...		
⑧	Option (Motor Description)	No marking : Cu Wire K, L : Al Wire		

Model Identification

VGD 121 L I 2 A A

① ② ③ ④ ⑤ ⑥ ⑦

NO		CONTENTS
①	Series name	VNW, VGD, VFM, VFC (BLDC Compressor)
②	Displacement	89 : 8.9 cc, 98 : 9.8 cc, 110 : 11.0 cc
	(cc/rev) x 10	120 : 12.0cc 121 : 12.1 cc
③	Application	L: L B P (Low Back Pressure)
		H: H B P (High Back Pressure)
④	Refrigerant	I: R600a H: R134a
⑤	Rated Voltage	1: 100V Series 2: 200V Series
⑥	Improvement Order (Machinery Parts)	A, B, C,
⑦	Improvement Order (Motor Parts)	A, B, C,

NEO30 L I 2 A A

① ② ③ ④ ⑤ ⑥ ⑦

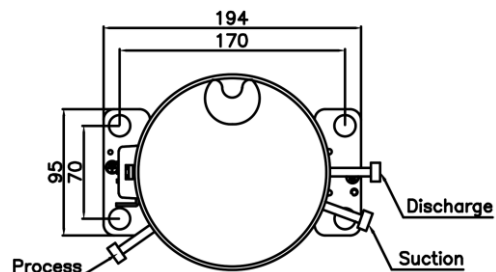
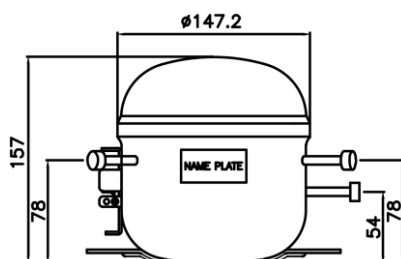
NO		CONTENTS
①	Series name	NEO (Supper Mini BLDC Compressor)
②	Displacement	14 : 1.4 cc, 18 : 1.8 cc
	(cc/rev) x 10	22 : 2.2 cc, 30 : 3.0 cc
③	Application	L: L B P (Low Back Pressure)
		H: H B P(High Back Pressure)
④	Refrigerant	I: R600a H: R134a
⑤	Rated Voltage	1: 100V Series 2: 200V Series 3: 12/24V DC Series
⑥	Improvement Order (Machinery Parts)	A, B, C,
⑦	Improvement Order (Motor Parts)	A, B, C,

SPECIFICATIONS

AC R134a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]	
			Kcal/h	Watt	Btu/h		EFF	COP	EER				
						Kcal/Wh	W/W	Btu/Wh					
WX	100V 50/60Hz	WX24LHF0T	47	55	186	64	0.73	0.85	2.90	RSIR	6.1	157	
			54	63	214	65	0.83	0.96	3.28	RSIR	6.1	157	
		WX24LHF0W	47	55	186	64	0.73	0.85	2.90	RSIR	6.1	157	
			54	63	214	65	0.83	0.96	3.28	RSIR	6.1	157	
		WX24LHF0W-K	47	55	186	67	0.70	0.81	2.76	RSIR	5.9	157	
			54	63	216	70	0.78	0.91	3.09	RSIR	5.9	157	
		WX30LHF0T	57	66	226	74	0.77	0.90	3.07	RSIR	6.1	157	
			69	81	275	81	0.86	1.00	3.39	RSIR	6.1	157	
		WX35LHF0T	71	83	282	94	0.75	0.88	2.99	RSIR	6.3	157	
			81	94	321	94	0.86	1.00	3.42	RSIR	6.3	157	
		110~115V 60Hz	WX24LHF1T	54	63	214	72	0.75	0.88	2.98	RSIR	6.1	157
			WX24LHF1W-K	54	63	214	75	0.72	0.84	2.86	RSIR	5.9	157
	WX30LHF1T		69	80	274	88	0.79	0.92	3.12	RSIR	6.1	157	
	WX35LHF1W		81	94	321	101	0.80	0.93	3.18	RSIR	6.3	157	
	220V 60Hz	WX24LHS4T	54	63	214	70	0.77	0.90	3.06	RSIR	6.1	157	
		WX24LHS4W	54	63	214	70	0.77	0.90	3.07	RSIR	6.1	157	
		WX24LHS4W-K	54	63	214	72	0.75	0.87	2.96	RSIR	5.9	157	
		WX30LHS8T	69	80	274	86	0.80	0.93	3.19	RSIR	6.1	157	
		WX30LHS4W-K	69	80	274	93	0.74	0.86	2.94	RSIR	5.9	157	
		WX35LHS4W	81	94	321	102	0.79	0.92	3.15	RSIR	6.3	157	
		WX35LHS4W-K	81	94	319	110	0.73	0.85	2.91	RSIR	6.1	157	
	220~240V 50/60Hz	WX30LHS8T	57	66	226	90	0.63	0.74	2.51	RSIR	6.1	157	
			69	80	274	87	0.80	0.93	3.16	RSIR	6.1	157	

-WX

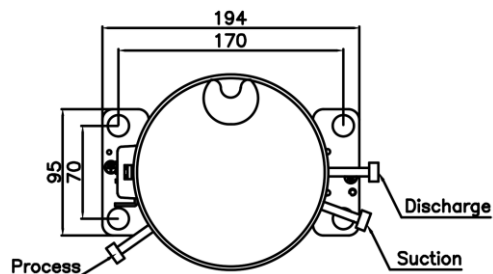
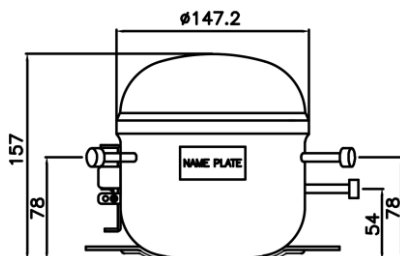


SPECIFICATIONS

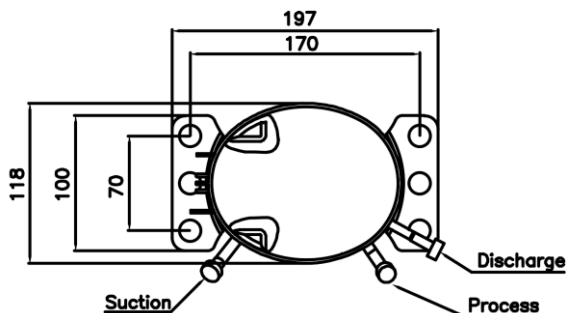
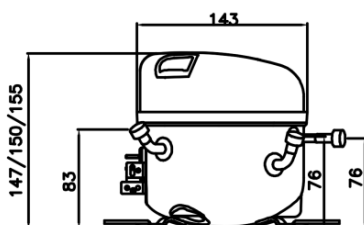
AC R134a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
WX	220~240V 50Hz	WX24LHS5T	47	54	185	61	0.77	0.89	3.04	RSIR	6.1	157
		WX24LHS5W-K	47	54	186	66	0.71	0.82	2.80	RSIR	5.9	157
		WX30LHS5T	57	66	226	80	0.71	0.83	2.83	RSIR	6.1	157
		WX30LHS5W-K	57	66	226	87	0.66	0.76	2.61	RSIR	5.9	157
		WX35LHS5T	69	80	274	91	0.76	0.88	3.01	RSIR	6.3	157
		WX35LHS5W	69	80	274	91	0.76	0.88	3.00	RSIR	6.3	157
		WX35LHS5W-K	71	83	282	97	0.74	0.86	2.92	RSIR	6.1	157
DM	220~240V 50/60 Hz	DM24LHS8	45	52	178	65	0.69	0.81	2.75	RSIR	4.2	147
			55	64	218	65	0.85	0.98	3.36	RSIR	4.2	147
		DM30LHS8	55	64	218	74	0.74	0.86	2.95	RSIR	4.2	150
			64	74	254	75	0.85	0.99	3.38	RSIR	4.2	150
		DM30LHP8	64	74	254	65	0.98	1.15	3.90	RSIR	4.2	150
			76	88	301	70	1.09	1.26	4.31	RSIR	4.2	150
		DM35LHS8	69	80	274	81	0.85	0.99	3.38	RSIR	4.8	155
			77	90	305	83	0.93	1.08	3.68	RSIR	4.8	155
	100V 50/60Hz	DM24LHF0	47	55	186	61	0.77	0.90	3.06	RSIR	4.0	147
			46	53	182	62	0.74	0.86	2.94	RSIR	4.0	147
110~115V 60Hz	DM24LHF1	58	67	230	66	0.88	1.02	3.48	RSIR	4.0	147	

-WX



-DM

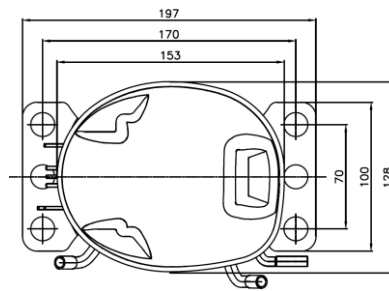
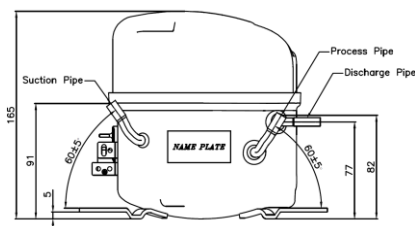


SPECIFICATIONS

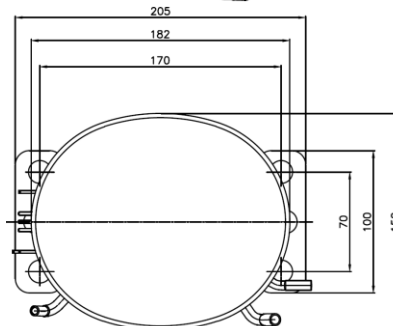
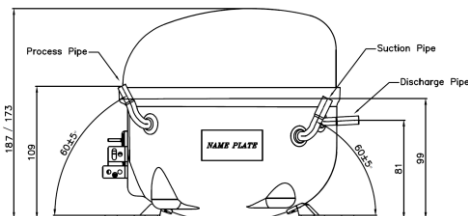
AC R134a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
DP	220~240V 50/60 Hz	DP43LHS8	78	91	309	101	0.77	0.90	3.06	RSIR	5.4	165
			97	113	385	100	0.97	1.13	3.85	RSIR	5.4	165
DQ	220~240V 50/60 Hz	DQ60LHS8	138	160	547	135	1.02	1.19	4.05	RSIR	7.3	173
			175	204	694	147	1.19	1.38	4.72	RSIR	7.3	173
		DQ68LHP8	162	188	640	127	1.27	1.48	5.04	RSCR	8.2	178
			198	230	783	151	1.31	1.52	5.18	RSCR	8.2	178
DW	220~240V 50/60 Hz	DW91LHP8	186	216	738	193	0.96	1.12	3.83	RSCR	8.5	180
			227	264	900	191	1.19	1.38	4.71	RSCR	8.5	180
		DW93LHD8	192	223	761	193	1.00	1.16	3.95	RSCR	8.5	180
			235	273	932	191	1.23	1.43	4.87	RSCR	8.5	180
		DW99LHK8	217	252	861	209	1.04	1.21	4.12	CSIR	8.5	180
			252	293	999	212	1.19	1.38	4.71	CSIR	8.5	180

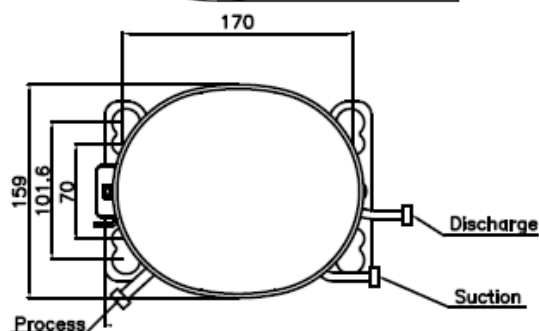
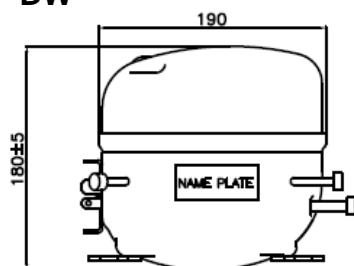
·DP



·DQ



·DW

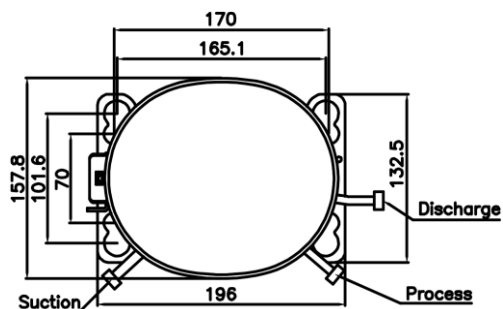
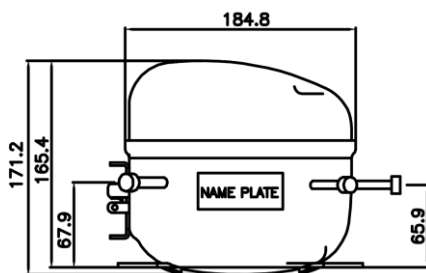


SPECIFICATIONS

AC R134a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
GD	220V 60Hz	GD53LHP4	158	184	628	110	1.44	1.68	5.73	RSCR	8.9	171.2
		GD53LHS4S-L	158	184	628	127	1.25	1.46	4.97	RSIR	8.0	171.2
		GD57LHP4	171	199	678	118	1.44	1.68	5.73	RSCR	8.9	171.2
		GD57LHS4S-L	171	199	678	135	1.27	1.47	5.02	RSIR	8.0	171.2
		GD57LHP4S-L	171	199	678	130	1.32	1.53	5.22	RSCR	8.0	171.2
		GD63LHP4	192	223	761	133	1.45	1.68	5.74	RSCR	8.9	171.2
		GD69LHP4	209	243	829	145	1.44	1.67	5.71	RSCR	8.9	171.2
		GD69LHS4S-L	209	243	829	167	1.25	1.46	4.97	RSIR	8.0	171.2
		GD69LHP4S-L	209	243	829	158	1.33	1.54	5.26	RSCR	8.0	171.2
		GD69LHD4S-L	209	243	829	158	1.32	1.54	5.25	CSR	8.0	171.2
		GD82LHS4S-L	250	291	991	215	1.16	1.35	4.62	RSIR	8.2	171.2
		220-240V 50Hz	GD53LHP5	132	154	525	91	1.45	1.69	5.75	RSCR	8.4
	GD53LHS5S-L		132	154	525	108	1.23	1.43	4.88	RSIR	8.0	171.2
	GD57LHP5		142	165	563	99	1.44	1.67	5.70	RSCR	8.9	171.2
	GD57LHS5S-L		142	165	563	120	1.19	1.38	4.70	RSIR	8.0	171.2
	GD63LHP5		159	185	632	110	1.44	1.68	5.73	RSCR	8.9	171.2
	GD69LHP5		175	203	693	121	1.44	1.68	5.72	RSCR	8.9	171.2
	GD69LHS5S-L	175	203	693	156	1.12	1.30	4.45	RSIR	8.0	171.2	

GD

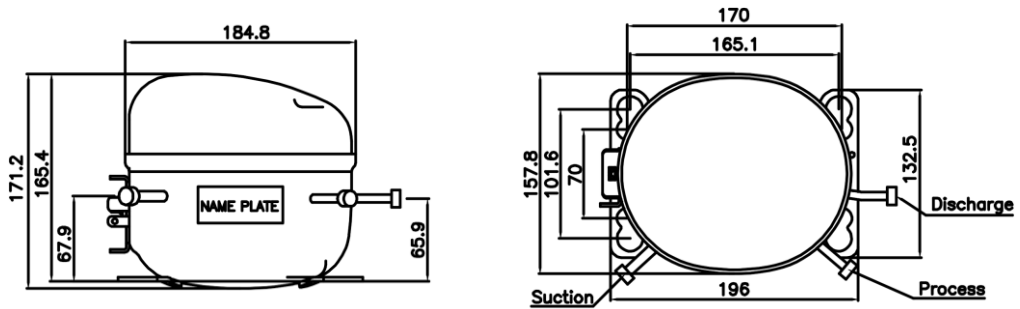


SPECIFICATIONS

AC R134a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
GD	115-127V 60Hz	GD53LHE7	158	184	628	111	1.43	1.66	5.66	RSCR	8.9	171.2
		GD53LHE7-L	158	184	628	118	1.34	1.56	5.33	RSCR	8.4	171.2
		GD57LHE7	171	199	678	120	1.43	1.66	5.66	RSCR	8.9	171.2
		GD57LHE7-L	171	199	678	127	1.35	1.56	5.34	RSCR	8.4	171.2
		GD63LHE7	192	223	761	134	1.43	1.67	5.68	RSCR	8.9	171.2
		GD63LHE7-L	192	223	761	142	1.35	1.57	5.35	RSCR	8.4	171.2
		GD69LHE7	209	243	830	147	1.43	1.66	5.65	RSCR	8.9	171.2
		GD69LHE7-L	209	243	830	156	1.34	1.56	5.33	RSCR	8.4	171.2

GD

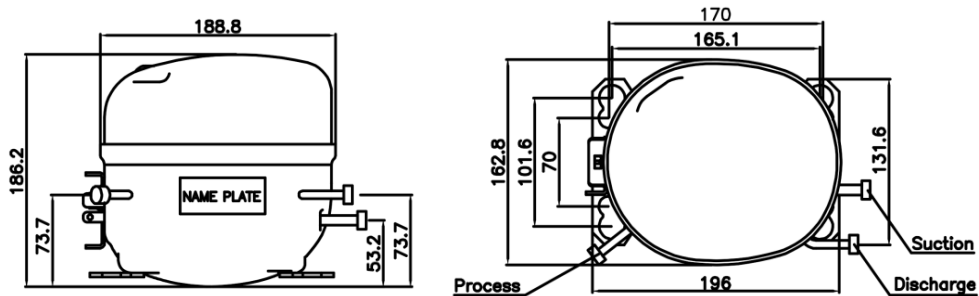


SPECIFICATIONS

AC R134a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
NW	110-115V 60Hz	NW108LHB1	323	376	1282	258	1.25	1.46	4.97	CSR	10.1	186.2
	220V 60Hz	NW70LHP4Z-L	210	245	834	164	1.28	1.49	5.08	RSCR	9.4	186.2
		NW80LHP4Z-L	242	281	960	181	1.33	1.55	5.29	RSCR	9.4	186.2
		NW90LHG4-L	277	322	1098	237	1.17	1.36	4.64	CSIR	9.4	186.2
		NW99LHG4-L	296	344	1173	258	1.15	1.33	4.54	CSIR	9.4	186.2
		NW108LHG4	317	369	1258	254	1.25	1.45	4.95	CSIR	10.1	186.2
		NW108LHG4-L	317	369	1258	275	1.15	1.34	4.57	CSIR	10.1	186.2
		NW120LHG4	349	406	1386	295	1.18	1.38	4.70	CSIR	10.1	186.2
	220-240V 50Hz	NW70LHP5Z-L	173	202	687	132	1.31	1.52	5.19	RSCR	9.4	186.2
		NW80LHP5-L	196	228	778	151	1.30	1.51	5.15	RSCR	9.4	186.2
		NW90LHP5-L	217	253	862	164	1.32	1.54	5.25	RSCR	9.4	186.2
		NW99LHP5	240	279	952	181	1.33	1.55	5.27	RSCR	9.6	186.2
		NW108LHP5	260	303	1032	196	1.33	1.54	5.26	RSCR	10.1	186.2
		NW120LHG5	293	341	1163	246	1.19	1.38	4.72	CSIR	10.1	186.2
	115-127V 60Hz	NW70LHE7	208	242	825	143	1.45	1.69	5.76	RSCR	9.6	186.2
		NW80LHE7-L	242	281	960	180	1.34	1.56	5.33	RSCR	9.4	186.2

-NW



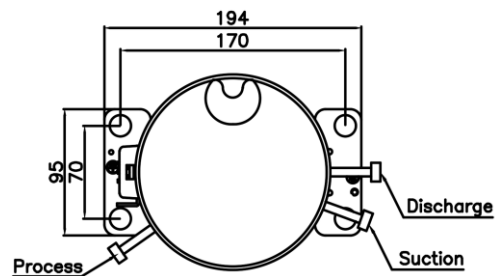
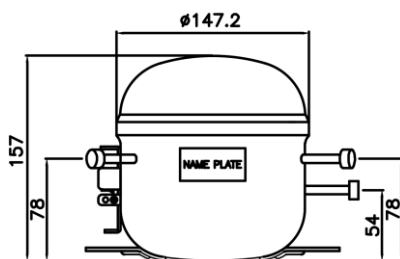
SPECIFICATIONS

AC R134a HBP

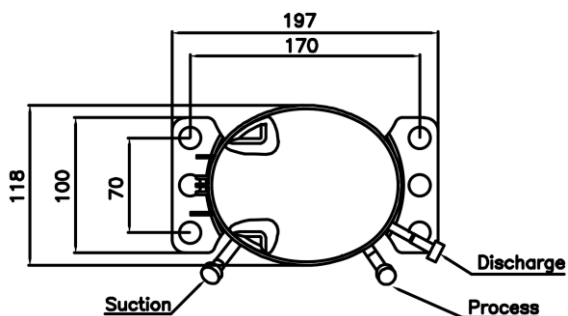
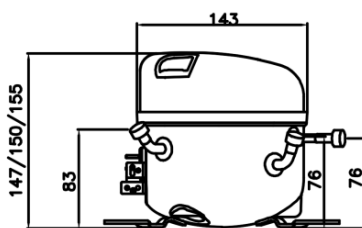
Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
WX	220V 60Hz	WX24HHS4W	232	270	920	143	1.62	1.89	6.44	RSIR	6.1	157
		WX30HHS4W	272	316	1097	171	1.46	1.85	5.80	RSIR	6.1	157
		WX35HHS4W	317	369	1259	204	1.56	1.81	6.17	RSIR	6.3	157
	220~240V 50Hz	WX35HHS5W	266	310	1056	176	1.51	1.76	5.99	RSIR	6.3	157
	110~115V 60Hz	WX35HHF1W	309	359	1225	215	0.72	1.67	5.69	RSIR	6.3	157
DM	220V 50/60Hz	DM35HHS8*	299	348	1186	154	1.94	2.26	7.70	RSIR	4.8	155
			344	400	1364	200	1.72	2.00	6.82	RSIR	4.8	155
DW	220~240V 50/60 Hz	DW91HHD8	778	905	3085	356	2.19	2.54	8.67	CSR	8.5	180
			896	1042	3553	424	2.11	2.46	8.38	CSR	8.5	180

Remark (*) means under development model

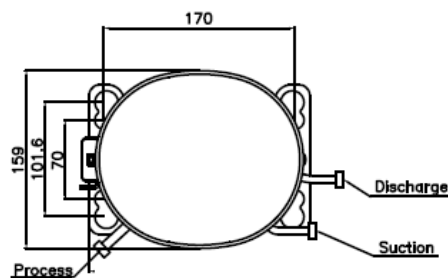
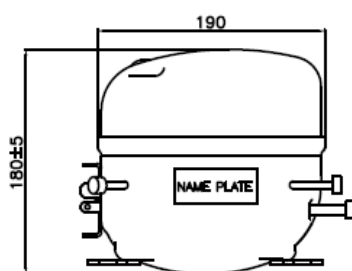
-WX



-DM



-DW

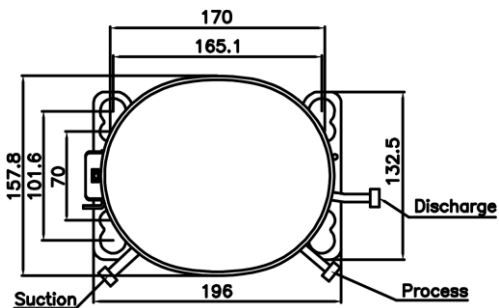
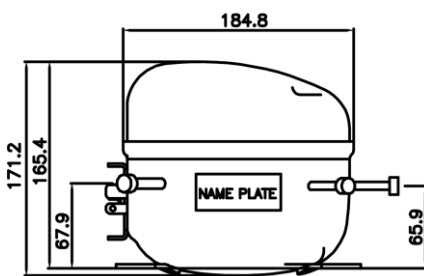


SPECIFICATIONS

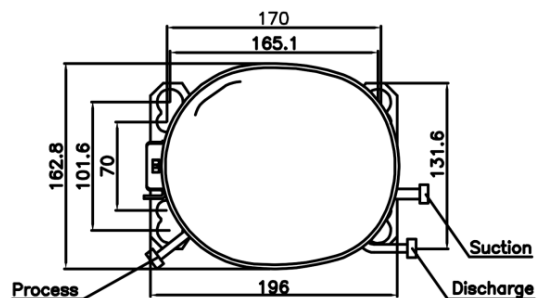
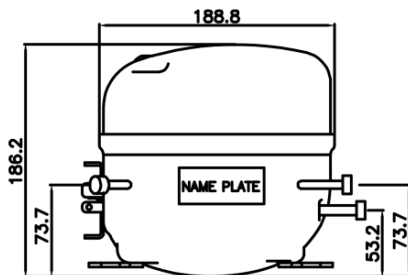
AC R134a HBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
GD	220V 60Hz	GD57HHS4S-L	596	693	2364	262	2.28	2.65	9.04	RSIR	8.0	171.2
		GD57HHP4S-L	606	704	2402	243	2.49	2.90	9.88	RSCR	8.0	171.2
		GD69HHP4	710	826	2816	282	2.52	2.93	9.98	RSCR	8.9	171.2
		GD69HHS4S-L	710	826	2816	337	2.11	2.45	8.36	RSIR	8.0	171.2
		GD82HHS4S-L	844	982	3347	446	1.89	2.20	7.50	RSIR	8.0	171.2
	220-240V 50Hz	GD69HHP5-L	615	715	2439	255	2.41	2.80	9.56	RSCR	8.9	171.2
		GD69HHS5S-L	569	662	2256	280	2.03	2.36	8.06	RSIR	8.0	171.2
NW	220V 60Hz	*NW90HHG4-L	899	1046	3566	467.2	1.92	2.24	7.63	RSIR	9.4	186.2
		NW108HHG4	1038	1207	4116	538	1.93	2.25	7.65	CSIR	10.1	186.2
		NW120HHG4-I	1050	1221	4164	615	1.71	1.99	6.78	CSIR	10.1	186.2
		NW120HHG4	1143	1330	4534	580	1.97	2.29	7.82	CSIR	10.1	186.2
	220-240V 50Hz	NW108HHG5	915	1064	3629	490	1.87	2.17	7.41	CSIR	10.1	186.2
		NW120HHG5	960	1116	3807	565	1.70	1.98	6.74	CSIR	10.1	186.2

-GD



-NW

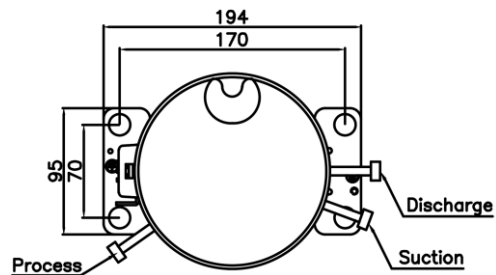
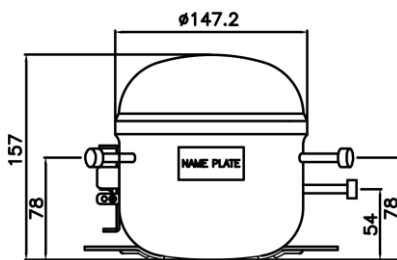


SPECIFICATIONS

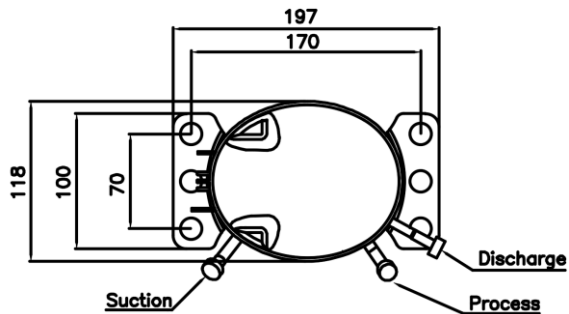
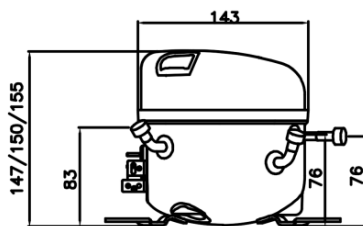
AC R600a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
WX	220V 60Hz	WX24LIS4W-K	39	46	156	56	0.70	0.82	2.78	RSIR	6.1	157
		WX35LIS4W	53	62	211	73	0.73	0.85	2.90	RSIR	5.9	157
		WX35LIS4W-K	53	62	210	88	0.61	0.70	2.40	RSIR	6.1	157
		WX45LIS4W	71	83	282	85	0.84	0.97	3.31	RSIR	6.3	157
DM	220~240V 50/60Hz	DM24LIS8	30	35	119	49	0.61	0.71	2.43	RSIR	6.1	147
			38	44	151	46	0.83	0.96	3.28	RSIR	6.1	147
		DM30LIS8	41	48	163	73	0.57	0.66	2.24	RSIR	5.9	150
			49	57	194	73	0.68	0.79	2.68	RSIR	5.9	150
		DM35LIS8	50	58	198	88	0.57	0.66	2.27	RSIR	6.1	150
			57	66	226	88	0.65	0.76	2.58	RSIR	6.1	150
		DM43LIS8	64	74	254	100	0.64	0.75	2.55	RSIR	6.3	155
			73	85	289	100	0.73	0.85	2.91	RSIR	6.3	155

·WX



·DM

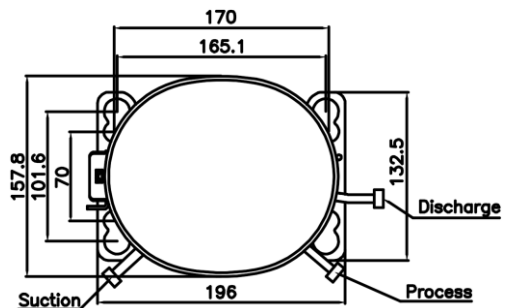
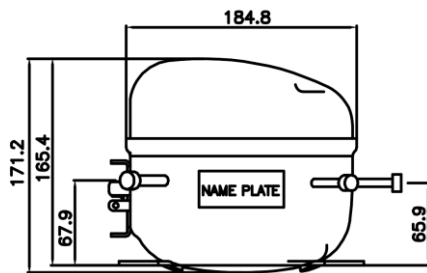


SPECIFICATIONS

AC R600a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
GD	220V 60Hz	GD69LIP4	129	150	512	77	1.68	1.95	6.65	RSCR	8.9	171.2
		GD69LIP4-K	129	150	512	80	1.62	1.88	6.41	RSCR	8.4	171.2
		GD69LIP4-L	129	150	512	81	1.59	1.85	6.31	RSCR	8.4	171.2
		GD83LIP4	152	177	604	92	1.66	1.93	6.59	RSCR	8.9	171.2
		GD83LIP4-K	152	177	604	95	1.60	1.86	6.35	RSCR	8.4	171.2
		GD83LIP4-L	152	177	604	97	1.57	1.83	6.24	RSCR	8.4	171.2
		GD89LIP4	164	191	652	99	1.66	1.93	6.59	RSCR	8.9	171.2
		GD89LIP4-K	164	191	652	103	1.60	1.86	6.35	RSCR	8.4	171.2
		GD89LIP4-L	164	191	652	104	1.57	1.83	6.24	RSCR	8.4	171.2
		GD98LIP4	180	209	713	110	1.63	1.90	6.48	RSCR	8.9	171.2
		GD98LIP4-K	180	209	713	112	1.60	1.86	6.35	RSCR	8.4	171.2
		GD98LIP4-L	180	209	713	115	1.57	1.82	6.21	RSCR	8.4	171.2
		GD110LIP4	200	232	792	125	1.59	1.85	6.31	RSCR	8.9	171.2
		GD110LIP4-K	200	232	792	129	1.55	1.80	6.14	RSCR	8.4	171.2
		GD110LIP4-L	200	232	792	133	1.51	1.75	5.97	RSCR	8.4	171.2
		GD121LIP4	219	255	869	139	1.58	1.84	6.28	RSCR	8.9	171.2
		GD121LIP4-K	219	255	869	142	1.55	1.80	6.14	RSCR	8.4	171.2
GD121LIP4-L	219	255	869	147	1.50	1.74	5.94	RSCR	8.4	171.2		

GD

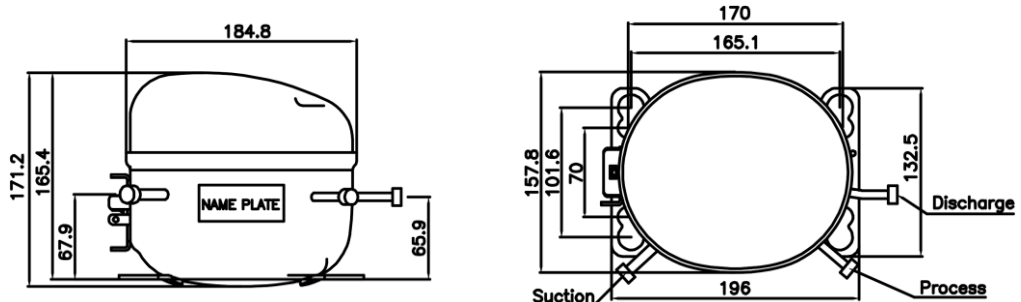


SPECIFICATIONS

AC R600a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
GD	220-240V 50Hz	GD69LIP5	109	127	433	65	1.68	1.95	6.65	RSCR	8.9	171.2
		GD69LIP5-K	109	127	433	68	1.62	1.88	6.41	RSCR	8.4	171.2
		GD69LIP5-L	109	127	433	69	1.59	1.85	6.31	RSCR	8.4	171.2
		GD83LIP5	131	152	519	79	1.66	1.93	6.59	RSCR	8.9	171.2
		GD83LIP5-K	131	152	519	82	1.60	1.86	6.35	RSCR	8.4	171.2
		GD83LIP5-L	131	152	519	83	1.57	1.83	6.24	RSCR	8.4	171.2
		GD89LIP5	140	163	556	84	1.66	1.93	6.59	RSCR	8.9	171.2
		GD89LIP5-K	140	163	556	89	1.60	1.83	6.35	RSCR	8.4	171.2
		GD89LIP5-L	140	163	556	89	1.57	1.83	6.24	RSCR	8.4	171.2
		GD98LIP5	157	182	621	96	1.63	1.90	6.48	RSCR	8.9	171.2
		GD98LIP5-K	157	182	621	98	1.60	1.86	6.35	RSCR	8.4	171.2
		GD98LIP5-L	157	182	621	100	1.57	1.82	6.21	RSCR	8.4	171.2
		GD110LIP5	170	198	675	107	1.59	1.85	6.31	RSCR	8.9	171.2
		GD110LIP5-K	170	198	675	110	1.55	1.80	6.14	RSCR	8.4	171.2
		GD110LIP5-L	170	198	675	113	1.51	1.75	5.97	RSCR	8.4	171.2
		GD121LIP5	186	216	738	117	1.58	1.84	6.28	RSCR	8.9	171.2
GD121LIP5-K	186	216	738	120	1.55	1.80	6.14	RSCR	8.4	171.2		
GD121LIP5-L	186	216	738	124	1.50	1.74	5.94	RSCR	8.4	171.2		

GD

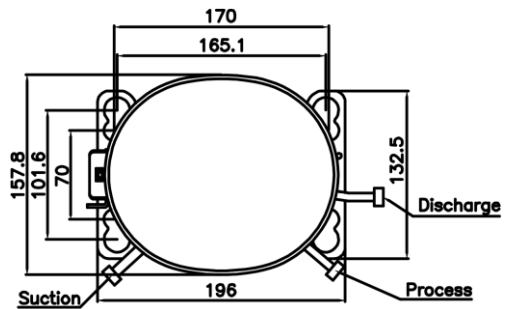
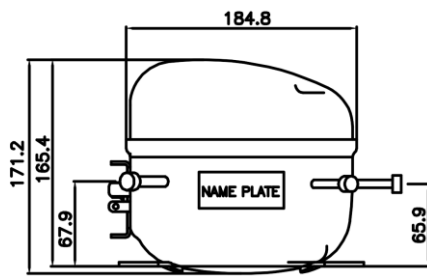


SPECIFICATIONS

AC R600a LBP

Series	Rated Voltage	Model	Cooling Capacity			Input Power Watt	Efficiency			Motor Type	Net Weight [kg]	Height [mm]
			Kcal/h	Watt	Btu/h		EFF	COP	EER			
						Kcal/Wh	W/W	Btu/Wh				
GD	115-127V 60Hz	GD69LIE7	129	150	512	78	1.65	1.92	6.55	RSCR	8.9	171.2
		GD69LIE7-K	129	150	512	81	1.59	1.85	6.31	RSCR	8.4	171.2
		GD83LIE7	152	177	604	93	1.63	1.90	6.48	RSCR	8.9	171.2
		GD83LIE7-K	152	177	604	97	1.57	1.83	6.24	RSCR	8.4	171.2
		GD89LIE7	164	191	652	101	1.63	1.90	6.48	RSCR	9.0	171.2
		GD89LIE7-K	164	191	652	104	1.57	1.83	6.24	RSCR	8.5	171.2
		GD98LIE7	180	209	713	112	1.61	1.87	6.38	RSCR	9.0	171.2
		GD98LIE7-K	180	209	713	114	1.57	1.83	6.24	RSCR	8.5	171.2
		GD110LIE7	200	232	792	127	1.57	1.82	6.21	RSCR	9.1	171.2
		GD110LIE7-K	200	232	792	131	1.52	1.77	6.04	RSCR	8.6	171.2
		GD121LIE7	219	255	869	140	1.57	1.82	6.21	RSCR	9.1	171.2
		GD121LIE7-K	219	255	869	144	1.52	1.77	6.04	RSCR	8.6	171.2

.GD



SPECIFICATIONS

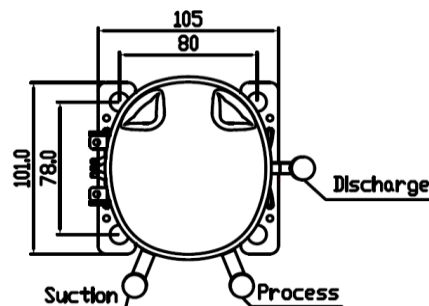
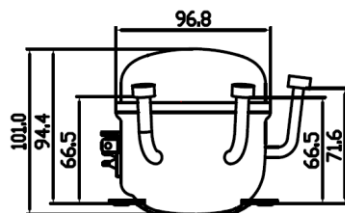
BLDC R134a LBP

Series	Rated Voltage	Model	Speed	Cooling Capacity			Input Power	Efficiency			Net Weight [kg]	Height [mm]
			RPM	Kcal/h	Watt	Btu/h	Watt	EFF	COP	EER		
				Kcal/Wh	W/W	Btu/Wh						
NEO	220~240V 50/60Hz	NEO14LH2AA	2700	28	33	113	24	1.18	1.38	4.69	1.9	101
			3600	35	41	140	30	1.18	1.37	4.66		
			4200	39	45	154	33	1.17	1.36	4.65		
		NEO18LH2AA	2700	35	41	140	31	1.14	1.32	4.51	1.9	101
			3600	43	50	171	38	1.13	1.32	4.49		
			4200	47	55	188	42	1.13	1.31	4.47		
	12/24V DC	NEO18LH3BB*	2700	35	41	140	31	1.14	1.32	4.51	1.9	101
			3600	43	50	171	38	1.13	1.32	4.49		
			4200	47	55	188	42	1.13	1.31	4.47		
		NEO22LH3BB*	2700	43	50	171	38	1.14	1.32	4.51	1.9	101
			3600	53	61	209	46	1.13	1.32	4.49		
			4200	58	67	229	51	1.13	1.31	4.47		

BLDC R600a LBP

Series	Rated Voltage	Model	Speed	Cooling Capacity			Input Power	Efficiency			Net Weight [kg]	Height [mm]
			RPM	Kcal/h	Watt	Btu/h	Watt	EFF	COP	EER		
				Kcal/Wh	W/W	Btu/Wh						
NEO	220~240V 50/60Hz	NEO30LI2AA	2700	28	32	109	29	0.95	1.10	3.77	1.9	101
			3600	47	55	188	40	1.18	1.38	4.69		
			4200	53	62	212	45	1.18	1.38	4.70		

-NEO



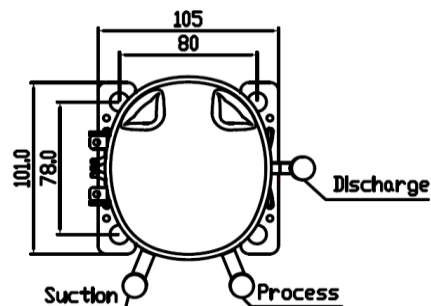
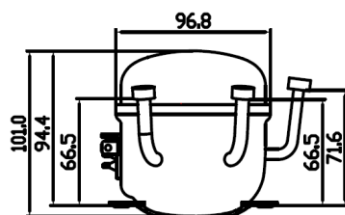
SPECIFICATIONS

BLDC R134a HBP

Series	Rated Voltage	Model	Speed	Cooling Capacity			Input Power	Efficiency			Net Weight [kg]	Height [mm]
			RPM	Kcal/h	Watt	Btu/h	Watt	EFF	COP	EER		
				Kcal/Wh	W/W	Btu/Wh						
NEO	220~240V 50/60Hz	NEO14HH2AA*	2700	96	111	380	54	1.78	2.07	7.07	1.9	101
			3600	146	170	581	68	2.16	2.52	8.59		
			4200	172	200	682	78	2.21	2.57	8.77		
		NEO18HH2AA*	2700	123	143	488	69	1.78	2.07	7.07	1.9	101
			3600	188	219	747	87	2.16	2.52	8.59		
			4200	221	257	877	100	2.21	2.57	8.77		
		NEO22HH2AA*	2700	150	175	596	84	1.78	2.07	7.07	1.9	101
			3600	230	268	914	107	2.15	2.50	8.55		
			4200	270	314	1,071	126	2.15	2.50	8.54		
	12/24V DC	NEO14HH3BB*	2700	96	111	380	54	1.78	2.07	7.07	1.9	101
			3600	146	170	581	68	2.16	2.52	8.59		
			4200	172	200	682	78	2.21	2.57	8.77		
		NEO18HH3BB*	2700	123	143	488	69	1.78	2.07	7.07	1.9	101
			3600	188	219	747	87	2.16	2.52	8.59		
			4200	221	257	877	100	2.21	2.57	8.77		
		NEO22HH3BB*	2700	150	175	596	84	1.78	2.07	7.07	1.9	101
			3600	230	268	914	107	2.15	2.50	8.55		
			4200	270	314	1,071	126	2.15	2.50	8.54		

Remark (*) means under development model

-NEO

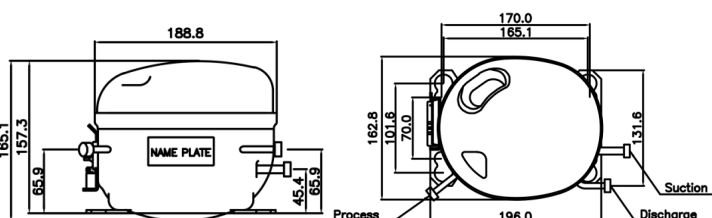


SPECIFICATIONS

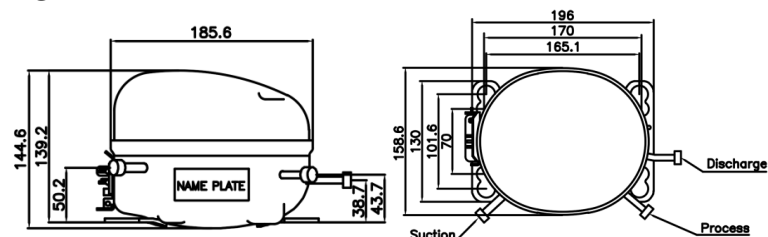
BLDC R600a LBP

Series	Rated Voltage	Model	Speed	Cooling Capacity			Input Power	Efficiency			Net Weight [kg]	Height [mm]
			RPM	Kcal/h	Watt	Btu/h	Watt	EFF	COP	EER		
				Kcal/Wh	W/W	Btu/Wh						
VGD	115~127V 50/60Hz	VGD98LI1AA	1000	58	67	230	38	1.51	1.75	5.97	7.2	143
			1800	97	113	385	59	1.65	1.92	6.55		
			3000	159	185	631	97	1.64	1.91	6.52		
			4500	216	252	858	143	1.51	1.76	6.00		
VNW	220~240V 50/60Hz	VNW120LI2BB	1800	119	138	472	73	1.63	1.90	6.48	8.2	186
			3000	192	223	762	121	1.58	1.84	6.28		
			4500	267	310	1058	190	1.40	1.63	5.56		
		VNW120LI2CC	1800	120	140	478	72	1.68	1.95	6.65	8.2	186
			3000	195	227	775	122	1.60	1.86	6.35		
			4500	268	312	1065	190	1.41	1.64	5.60		
VGD	220~240V 50/60Hz	VGD98LI2AA	1000	58	67	230	38	1.51	1.75	5.97	7.2	143
			1800	97	113	385	59	1.65	1.92	6.55		
			3000	159	185	631	97	1.64	1.91	6.52		
			4500	216	252	858	143	1.51	1.76	6.00		
		VGD98LI2AB	1000	58	67	230	38	1.55	1.80	6.13	7.5	143
			1800	98	113	390	56	1.74	2.00	6.91		
			3000	159	182	632	92	1.73	1.98	6.87		
			4500	213	252	847	139	1.54	1.81	6.09		
		VGD110LI2AB	1000	62	72	244	41	1.52	1.77	6.03	7.5	143
			1800	108	126	429	63	1.71	1.99	6.79		
			3000	176	205	699	106	1.66	1.93	6.59		
			4500	237	276	942	158	1.51	1.75	5.97		
		VGD121LI2AB	1000	65	76	259	43	1.50	1.75	5.96	7.5	143
			1800	119	138	471	70	1.69	1.97	6.72		
			3000	188	219	747	115	1.63	1.90	6.48		
			4500	255	297	1013	176	1.45	1.69	5.77		

-VNW



-VGD

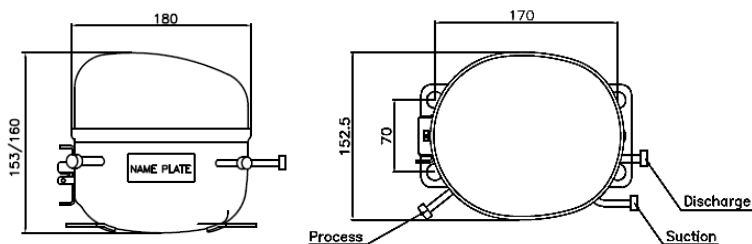


SPECIFICATIONS

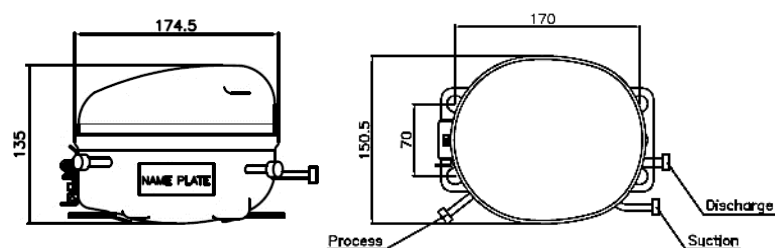
BLDC R600a LBP

Series	Rated Voltage	Model	Speed	Cooling Capacity			Input Power	Efficiency			Net Weight [kg]	Height [mm]
			RPM	Kcal/h	Watt	Btu/h	Watt	EFF	COP	EER		
				Kcal/Wh	W/W	Btu/Wh						
VFM	220~240V 50/60Hz	VFM70LI2AA	1200	47	55	188	33	1.43	1.67	5.69	7.5	135
			2400	89	103	351	59	1.50	1.75	5.96		
			3000	107	125	427	74	1.45	1.70	5.76		
			4500	150	175	597	106	1.42	1.65	5.63		
		VFM91LI2AA	1200	56	65	222	39	1.43	1.67	5.69	7.5	135
			2400	116	135	461	77	1.51	1.75	5.98		
			3000	138	160	546	94	1.46	1.70	5.81		
			4500	181	210	717	127	1.42	1.65	5.64		
VFC	220~240V 50/60Hz	VFC70LI2AA	1200	47	55	188	30	1.59	1.85	6.32	8.8	153
			2400	89	104	355	56	1.60	1.86	6.34		
			3000	110	128	437	70	1.57	1.83	6.24		
			4500	150	175	597	105	1.43	1.67	5.69		
		VFC91LI2AA	1200	56	65	222	35	1.59	1.85	6.32	8.8	153
			2400	113	132	450	73	1.55	1.81	6.17		
			3000	137	159	543	89	1.54	1.79	6.10		
			4500	183	213	727	139	1.32	1.53	5.23		
		VFC110LI2AA	1200	73	85	290	47	1.55	1.80	6.14	9.0	160
			2400	144	168	573	91	1.59	1.85	6.31		
			3000	172	200	682	118	1.46	1.70	5.80		
			4500	224	260	887	158	1.42	1.65	5.63		

-VFC

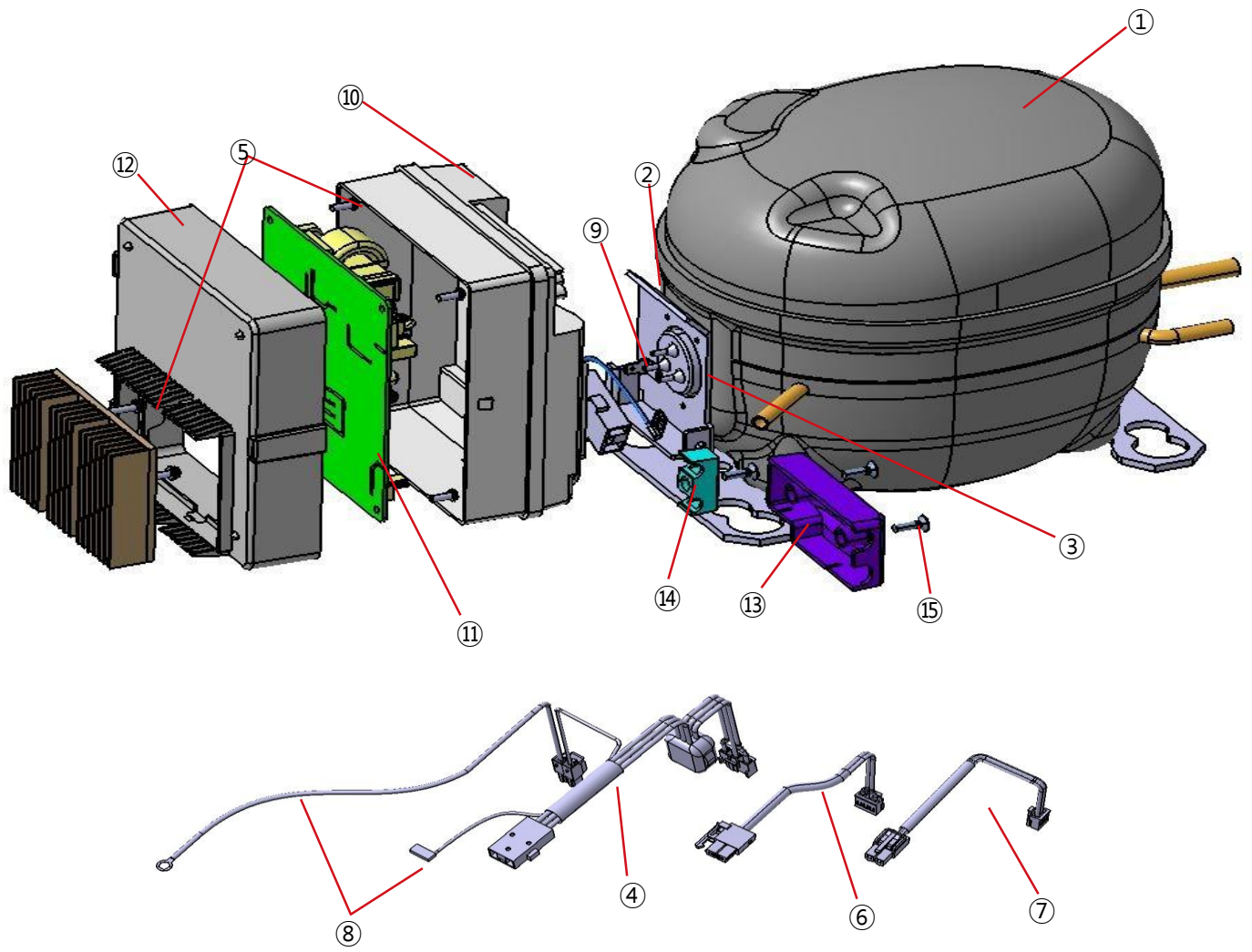
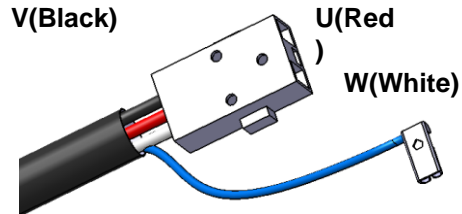
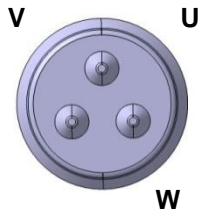


-VFM



Connection and Cables

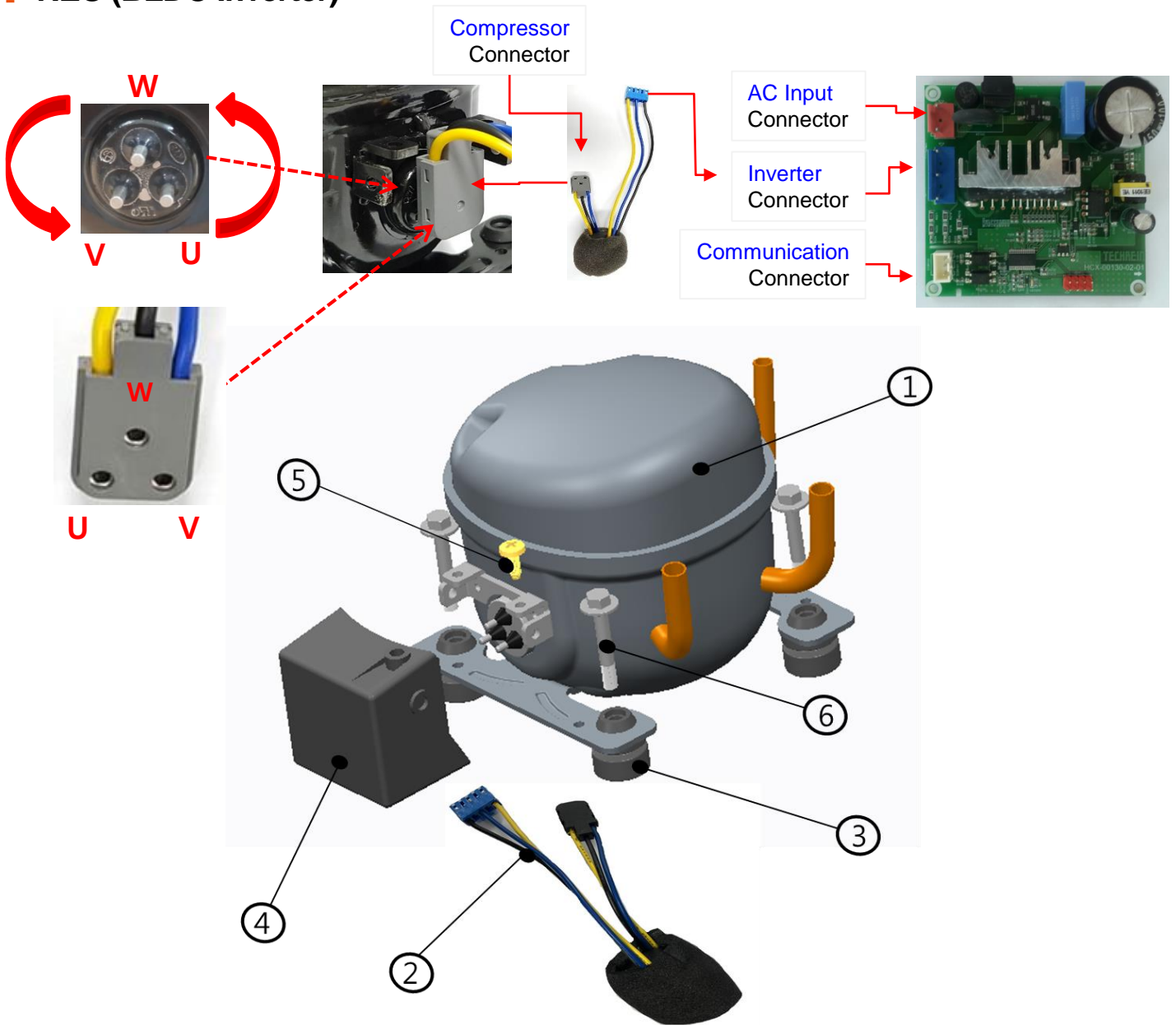
VNW (BLDC Inverter)



No.	Parts	No.	Parts	No.	Parts
1	Compressor	7	Communication Cable	13	Controller Case(Side)
2	Protector Terminal	8	Earth Cable	14	Cable Fix CAP
3	Hermetic Terminal	9	Compressor Earth Terminal	15	Side Cover and Inverter Fix Bolt
4	Compressor Cable	10	Controller Case(Bottom)		
5	PCB and Heatsink Fix Bolt	11	PCB Assembly		
6	AC Input Cable	12	Controller Case(Top)		

Connection and Cables

NEO (BLDC Inverter)



No.	Parts	No.	Parts
1	Compressor	4	Relay Cover
2	Harness Assy(+Noise Filter)	5	Taptite Screw
3	Rubber Grommet	6	Fix Bolt

☞ PCB Assembly는 Case에 조립되어 Comp에 장착하는 방법과 적용되는 제품에 따라 방법 및 위치를 변경하여 적용 할 수 있습니다.

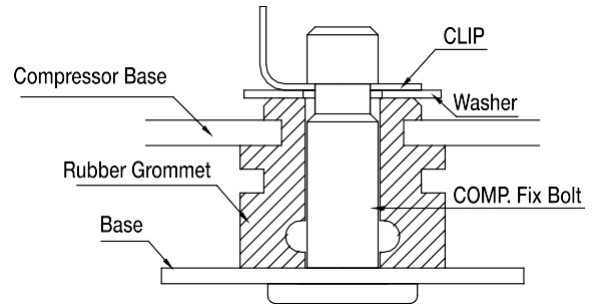
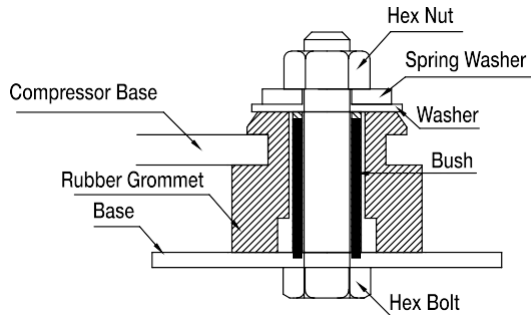
Mounting Accessories

Bolt-Nut Type

BN25, BN54, BN66, BN74, BN170

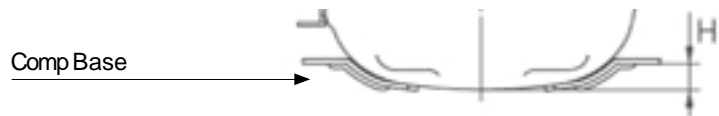
Snap-On Type

S54, S74, S170



Comp Base

Series	H[mm]
NEO	6.6
DM	2.5
YE	5.4 / 17
VGD	5.4
GD	5.8
WX	7.4
NW, VNW	7.8
DW	7.0
DP, VFM, VFC	5.0
DQ	3.4



Mounting Rubber Grommet

BN25

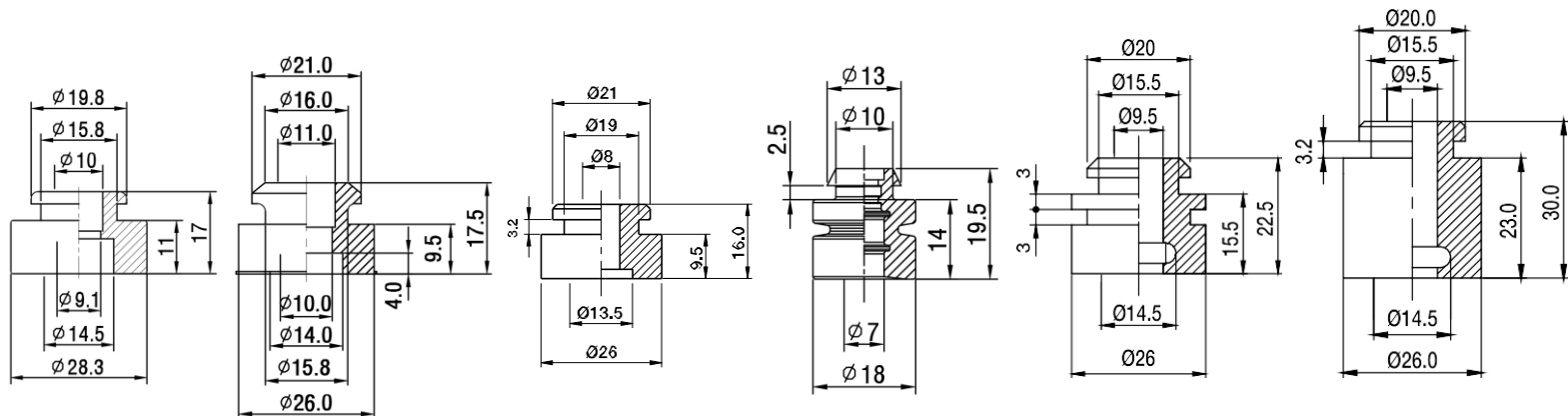
BN54

S54

BN66

BN74, S74

BN170, S170



Comp Base Type

Comp Base Type

TYPE	Hole Size	Position of Holes
Universal	Ø16	70 X 170
European	Ø16 (Φ20.5)	70 X 170 (101.6 X 165.1)
NEO	Ø11	80 X 78

Application Guide

1. Refrigerant			6. Suction gas temperature	11. Moisture content
R-134a (CH ₂ F-CF ₃)	Purity ≥ 99.95%		Similar range of super-heating with the ambient temperature (at the suction pipe 150mm location)	150mg max. in refrigeration system with a recommended drier
R-600a (CH(CH ₃) ₃)	Purity ≥ 99.5%			
2. Evaporating temperature			7. Shell temperature	12. Operating period ratio
LBP	-35°C ~ -15°C		LBP : 100°C max. in 43°C test room HBP : 100°C max. in 32°C test room	(On Period) / (On Period + Off Period) ≤ 65%
HBP(R-134a)	-5°C ~ 10°C			
3. Condensing temperature			8. Operating voltage	13. On period / Off period
LBP	60°C max.	70°C max. at peak load in 43°C test room	LBP : Rated Voltage ±15% HBP : Rated Voltage ±10%	5 minutes min.(On) / 5 minutes min.(Off)
HBP(R-134a)	60°C max.			
4. Discharge gas temperature			9. The amount of refrigerant charge	14. Evacuation of the refrigeration
120°C max. in 43°C test room			The amount of refrigerant charge is recommended minimal as the proper amount.	Less than 0.05 torr
5. Motor winding temperature			10. The amount of oil charge	15. Installation
120°C max. in 43°C test room			The compressors are supplied with proper oil charge	Compressors should be installed in vertical direction within 5° inclination
1) Cu Winding temperature(T ₂) $T_2 = (R_2/R_1) \times (234.5 + T_1) - 234.5$ 2) Al Winding temperature(T ₂) $T_2 = (R_2/R_1) \times (225 + T_1) - 225$ R ₁ : The resistance at the beginning of the test R ₂ : The resistance at the end of the test				

Contact to

Sales Office & Factory (Korea)
 5, Hanamsandan 3beon-ro, Gwangsan-gu, Gwangju Korea
 Tel : +82 62 714 2710 / Fax : +82 62 714 2711



DAEWOO COMPRESSOR



All design and specification are given as general information only and subject to change without prior notice for product improvement.

DAEWOO Compressor R&D TEAM Copy right reserved.

**DAEWOO
COMPRESSOR**

