



SCROLL COMPRESSOR

COMPRESSOR TECHNOLOGY
FOR HVAC & LIGHT COMMERCIAL
APPLICATIONS



GLOBAL NETWORK

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For continual product development, LG reserves the right to change specifications without notice.
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Revolutionary energy technologies of the future

LG COMPONENT SOLUTIONS

LG
COMPONENT
SOLUTIONS

MOTOR

COMPRESSOR

Innovation doesn't happen overnight. Ever since we built our very first fan motors in 1962, LG Compressor & Motor has been improving the lives of consumers and businesses alike. For over 60 years, we have been innovating products such as linear compressors, DD motors, scroll compressors, and R1 compressors.

As a business division under LG Electronics, LG Compressor & Motor offers excellent performance and energy efficiency for appliances in refrigeration, air conditioning, and mobility, with sustainable component solutions that meet the latest regulations and standards.

However, we don't just stop there.

We have introduced these technologies by manufacturing products built on our decades of technological advancements. That way our customers - manufacturers and product installers - can make a positive difference in the lives of their customers - the end users.

By transitioning to eco-friendly refrigerants and launching high-efficiency products for our LG Compressor & Motor component solutions, we're able to satisfy more diverse customer needs and pave the way towards an energy future that is more sustainable.

Tailored Solutions Based on a Global Network

Headquartered in South Korea, LG Component Solutions operates production facilities and sales offices in 10 cities and 5 countries around the globe. These various locations fully support our customers in over 50 countries.

LG Component Solutions aims to grow side-by-side with our customers' businesses through ongoing technical consulting for product development, performance and quality optimization for real-world conditions. Those practices, along with a flexible supply chain that enables timely supply, is fueling our commitment to be a trusted partner in the industry.



PRODUCTION SITE

Korea	Changwon
China	Taizhou
	Tianjin
	Nanjing
	Qinhuangdao
India	Noida
Thailand	Rayong

SALES OFFICE SITE

USA	Atlanta, Dallas
India	Delhi
Thailand	Rayong
China	Qinhuangdao, Tianjin,
	Taizhou, Shunde
Korea	Seoul, Changwon



Technical Support



Real-world Quality



Flexible Supply Chain



Long-term Partnership

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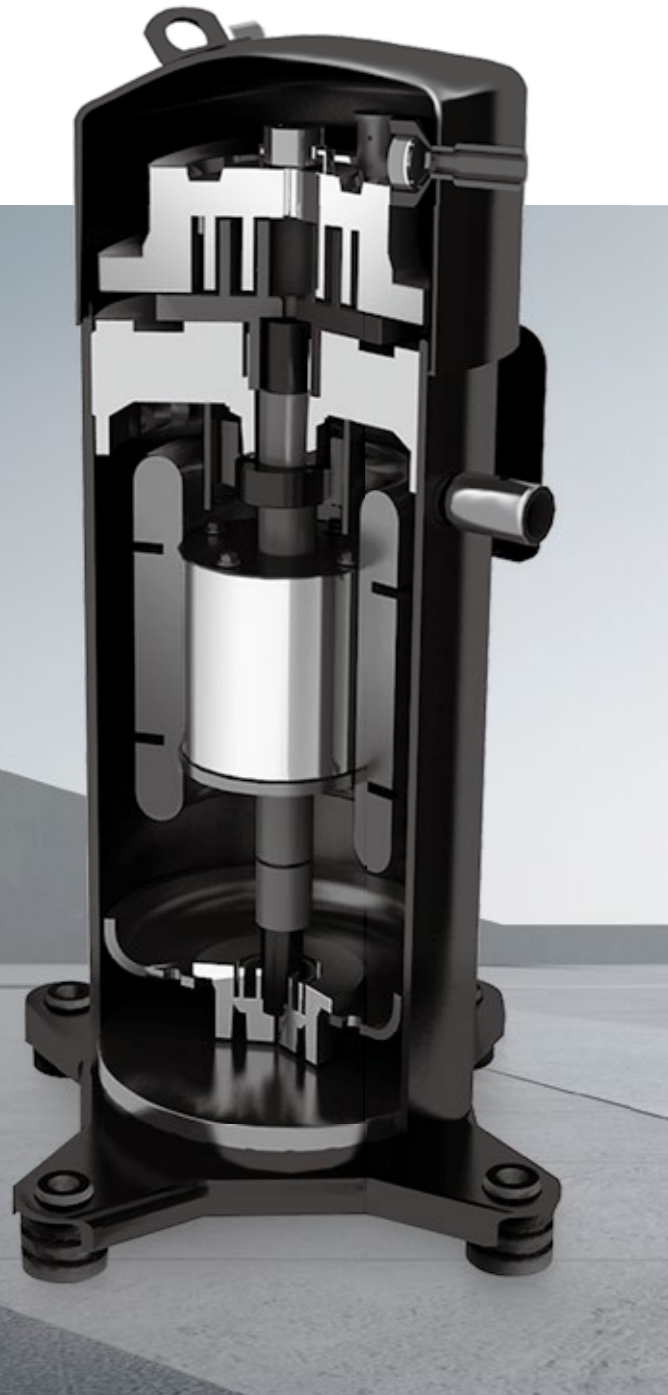
LG Scroll Compressor

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Why LG Scroll Compressor?

LG offers an extensive selection of scroll compressors for fixed speed, two-stage modulating, and variable speed with an optimized inverter driver to fully support various applications.



Fixed Speed Compressor -The next generation

With a focus on reliability and performance, LG designed Gen 3 scroll compressors with significant improvements to motor efficiency and friction reduction to bring the future to the present.

2-Stage Modulating


LG 2-stage modulating compressors are built under precise quality standards and exacting durability requirements for the global marketplace. By operating at 2 capacities, the LG 2-stage scroll compressor can function in savings mode in moderate environments and in power mode in high demand situations. By modulating between 2 stages, it runs longer and more efficiently than its single stage counterpart.

R1 Compressor™

Featuring a groundbreaking design that combines the technology of a conventional scroll and rotary compressor, the R1 compressor™ delivers enhanced heating performance. With the motor positioned at the top of the unit and the scroll at the center, the R1's simplified structure leads to significant efficiency improvement and sound reduction.

Product Platform

Fixed Speed				
Model				
	Gen2	Gen3	Commercial	Refrigeration
Capacity Range	1.5-5 Ton	1.5-5 Ton	6-8 Ton	1.5-5 Ton
Application	14+ SEER Air Conditioning and Heatpump	15+ SEER Air Conditioning and Heatpump	Commercial Air Conditioning & Heatpump	Medium temperature Low temperature
Feature	- Internal bypass valve system - Improve scroll and seal design - Apply reliable oil	- Improved suction path Smooth re-start Low GWP refrigerant	- Internal bypass valve system - Apply reliable oil	- Internal bypass valve system - Optimized deep vacuum protector - Apply reliable oil

Modulation	Variable Speed		
Model			
	Two-Stage	R1™	High Side Shell
Capacity Range	2-5 Ton	2-5 Ton	1-21 Ton
Application	15-16 SEER Air conditioning and heat pump (including commercial)	28+ SEER Air conditioning and heat pump	VRF system
Feature	- Internal bypass valve system - Improved part-load and full load performance - Apply reliable oil	- Internal bypass valve system - Apply reliable oil	- Internal bypass valve system - Optimized deep vacuum protector - Apply reliable oil



Product Range

Fixed Speed / HVAC

Capacity [RT, Tonnage] (1RT = 12kBtu/hr=3.5kw)		Series	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
R410A	APA		●	●	●	●										
	ABA						●	●	●	●	●					
	ARA													●	●	
	APG		●	●	●	●	●	●	●	●						
	ABG					●	●	●	●	●	●	●				
	ABT			●	●	●	●	●	●	●						
	APH		●	●	●	●	●									
	ABH							●	●	●	●					
R32	TPH		●	●	●	●	●									
	TBH							●	●	●						
R454B	YPH		●	●	●	●	●									
	YBH							●	●	●						

Fixed Speed / Refrigeration

Capacity [RT, Tonnage] (1RT = 12kBtu/hr=3.5kw)		Series	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
R404A	MPA		●	●	●											
	MBA			●	●	●	●	●	●	●	●					
	MRA													●	●	

Two-Stage Modulating

Capacity [RT, Tonnage] (1RT = 12kBtu/hr=3.5kw)		Series	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
R410A	APM				●	●	●									
	ABM					●	●	●	●	●						

Variable Speed / High Side Shell

Capacity [RT, Tonnage] (1RT = 12kBtu/hr=3.5kw)		Series	4.0	5.0	6.0	7.0	8.0	9.0	10.0	-	20.0
R410A	JQC		●			●					
	JBA								●		

Variable Speed / R1 Compressor™

Capacity [RT, Tonnage] (1RT = 12kBtu/hr=3.5kw)		Series	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
R410A	RJ					●	●	●	●	●						
R32	RJ					●	●									

Nomenclature

A P H 029 K A A

Refrigerant

Code	Refrigeran	Type
A	R410A	LSS
H	R407C	LSS
J	R410A	HSS
M	R404	LSS
S	R22	LSS
T	R32	LSS
Y	R454B	LSS

Compressor size (mm)

P: Ø139 R: Ø179
Q: Ø147 G: Ø224
B: Ø160

Generation code

(A-Z)

Capacity

(Btu/Hr x 1,000) @ 60Hz

Exterior specification
(A-Z)

Motor specification
(A-Z)

Motor code

Code	Power source			Motor
	Phase(Φ)	Voltage	Hz	
K	1	208-230	60	Fixed Speed
R	1	208-230	60	Fixed Speed
W	3	380	50	Fixed Speed
		460	60	Fixed Speed
T	3	575	60	Fixed Speed
D	BLDC Inverter			Variable Speed / Distributed Winding
M	BLDC Inverter			Variable Speed/ Concentrated Winding



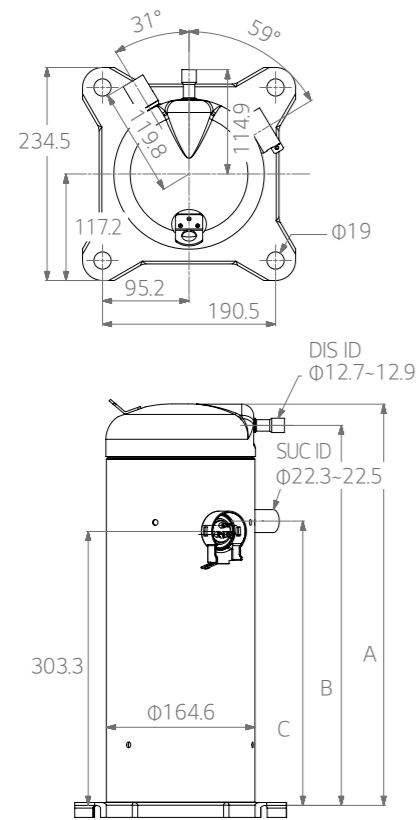
Specification

Fixed Speed R410A [1 of 6]

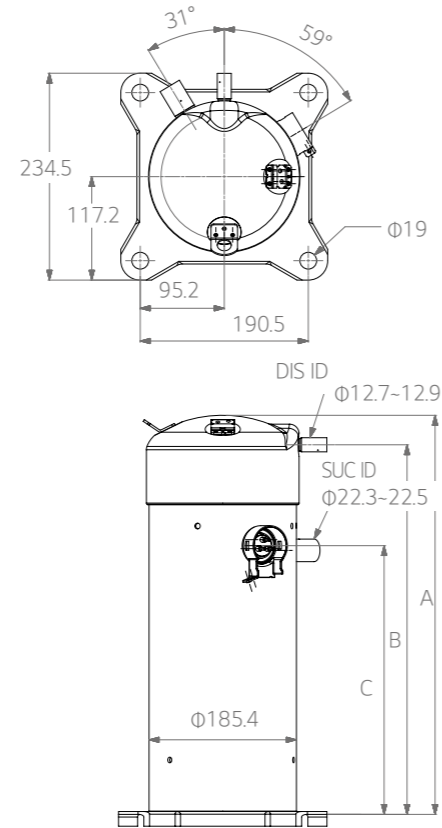
Type	Frequency	Voltage	Series	Model	Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)
					Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C
LSS	60Hz	1φ, 220/240V	ABT	ABT034PT	28,000	8,201	2,888	9.7	2.84	54.4 / 7.2
				ABT042YT	34,900	10,228	3,421	10.2	2.99	54.4 / 7.2
		3φ, 380 / 420V	ABT	ABT048YT	40,200	11,781	3,688	10.9	3.19	54.4 / 7.2
				ABT049YM	40,800	11,949	3,760	10.85	3.18	54.4 / 7.2
				ABT051YT	42,500	12,447	3,900	10.9	3.19	54.4 / 7.2
				ABT054YT	44,800	13,121	4,150	10.8	3.16	54.4 / 7.2
				ABT057YT	48,500	14,204	4,450	10.9	3.19	54.4 / 7.2
				ABT061YT	51,500	15,083	4,725	10.9	3.19	54.4 / 7.2
				ABC061YM	52,000	15,230	4,905	10.6	3.10	54.4 / 7.2
				ARA061YA	51,500	15,093	5,049	10.2	2.99	54.4 / 7.2
				ARA073YA	62,000	18,170	6,020	10.3	3.02	54.4 / 7.2
				ARA073YB	63,000	18,463	5,833	10.8	3.17	54.4 / 7.2
		ARA081YA	68,500	20,075	6,716	10.2	2.99	54.4 / 7.2		

Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	Dimension (mm)		
Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	A	B	C
						444	421	315
						415	377	273
						444	421	315
						444	421	315
						444	421	315
						444	421	315
						444	421	315
						444	421	315
						444	421	315
						474	430	322
						470	426	322
						461	412	308
						379	426	322

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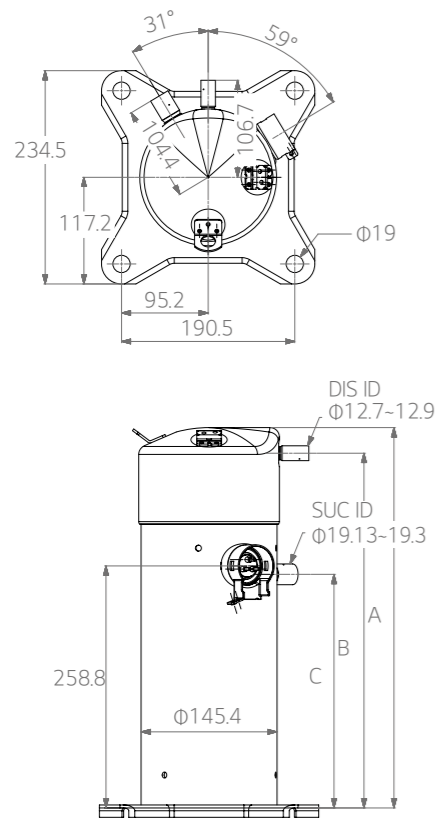
Specification

Fixed Speed R410A [2 of 6]

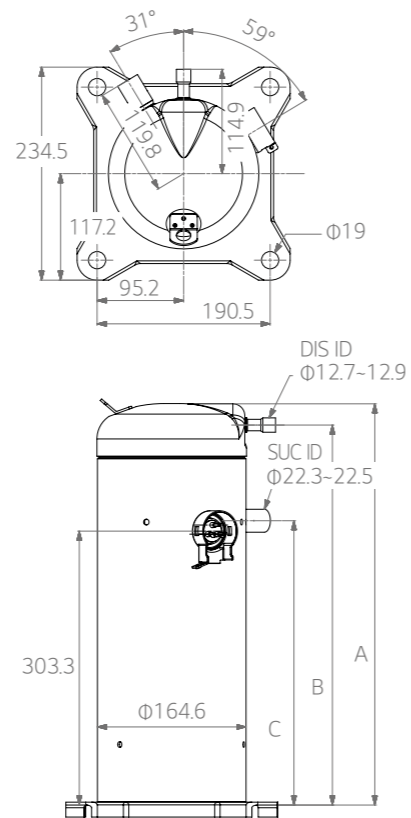
Type	Frequency	Voltage	Series	Model	Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)
					Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C
LSS	60Hz	1Φ, 208-230V	APA	APA016KA	15,200	4,455	1,634	9.3	2.73	54.4 / 7.2
				APA020KA	19,500	5,715	2,010	9.7	2.84	54.4 / 7.2
				APA024KA	22,500	6,594	2,344	9.6	2.81	54.4 / 7.2
				APA026KA	24,500	7,180	2,450	10.0	2.93	54.4 / 7.2
				APA029KA	28,000	8,206	2,828	9.9	2.90	54.4 / 7.2
				APA030KA	29,000	8,499	2,929	9.9	2.90	54.4 / 7.2
			ABA	APA032KA	30,500	8,939	3,020	10.1	2.96	54.4 / 7.2
				ABA036KA	36,500	10,697	3,510	10.4	3.05	54.4 / 7.2
				ABA042KA	42,500	12,456	4,048	10.5	3.08	54.4 / 7.2
				ABA049KA	48,000	14,067	4,528	10.6	3.11	54.4 / 7.2
				ABA051KA	51,500	15,093	4,858	10.6	3.11	54.4 / 7.2
			ARA	ABA054KA	54,000	15,826	5,143	10.5	3.08	54.4 / 7.2
				ARA072KA	72,000	21,101	6,857	10.5	3.08	54.4 / 7.2
				ARA083KA	83,000	24,324	7,905	10.5	3.08	54.4 / 7.2

Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	Dimension (mm)		
Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	A	B	C
18,700	5,480	1,081	17.3	5.07	37.8 / 7.2	407	379	259
24,000	7,034	1,333	18.0	5.28	37.8 / 7.2	407	379	259
27,700	8,118	1,547	17.9	5.25	37.8 / 7.2	407	379	259
30,100	8,821	1,645	18.3	5.36	37.8 / 7.2	407	379	259
35,300	10,345	1,898	18.6	5.45	37.8 / 7.2	407	379	259
36,500	10,697	1,931	18.9	5.54	37.8 / 7.2	407	379	259
38,300	11,225	1,995	19.2	5.63	37.8 / 7.2	444	418	300
45,000	13,188	2,320	19.4	5.68	37.8 / 7.2	449	416	294
52,000	15,240	2,680	19.4	5.69	37.8 / 7.2	449	416	294
58,500	17,145	3,000	19.5	5.71	37.8 / 7.2	449	416	294
63,000	18,463	3,231	19.5	5.71	37.8 / 7.2	449	416	294
66,500	19,489	3,446	19.3	5.66	37.8 / 7.2	449	416	294
						465	437	325
						465	437	325

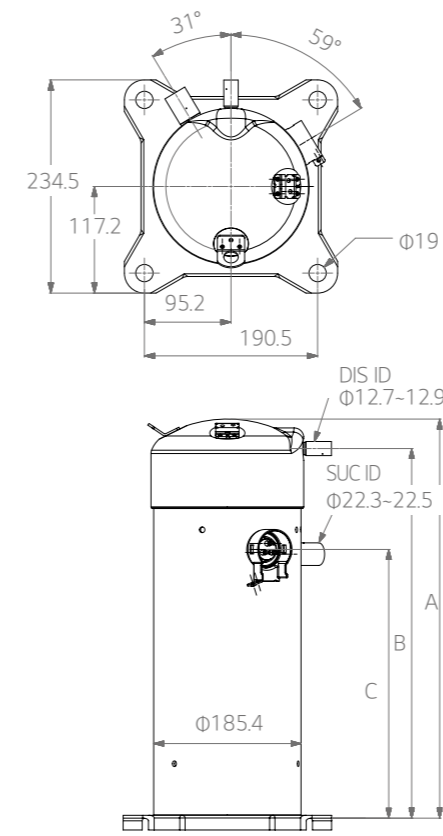
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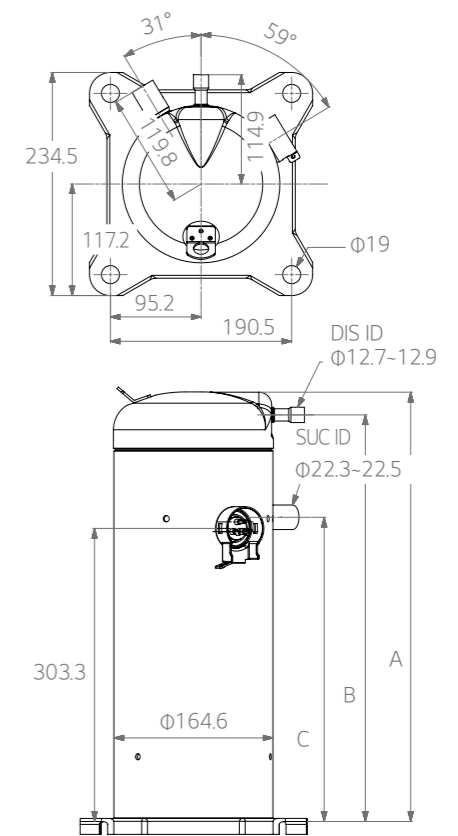
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- ARA



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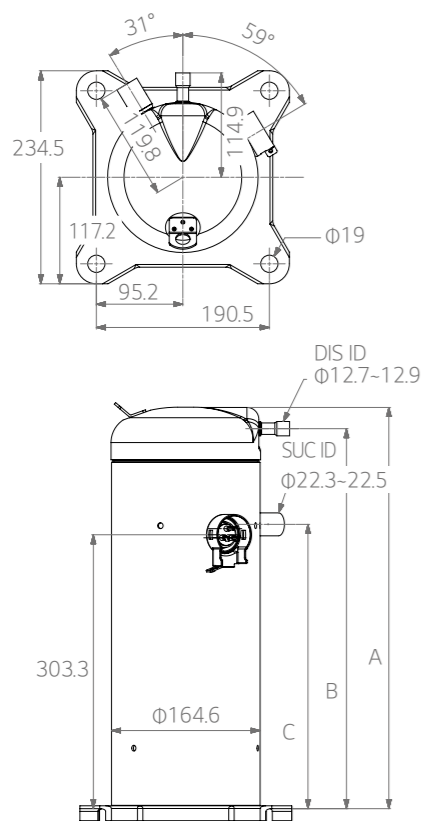
Specification

Fixed Speed R410A [3 of 6]

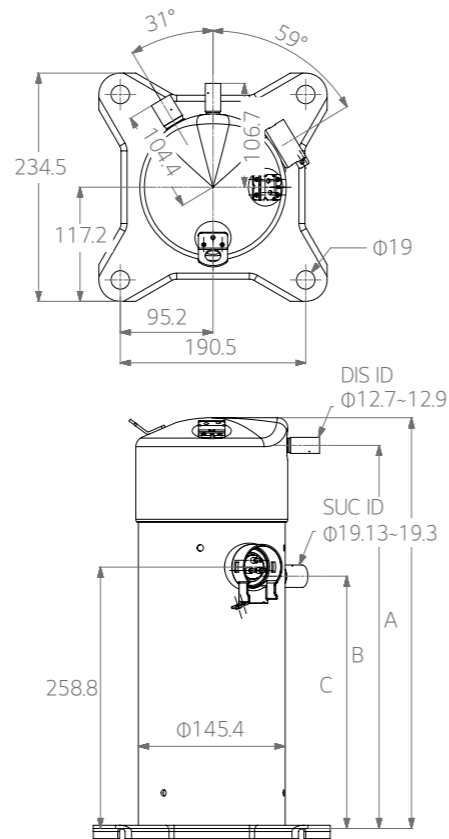
Type	Frequency	Voltage	Series	Model	Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)
					Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C
LSS	60Hz	1Φ, 208-230V	ABT	ABT038KT	38,700	11,342	3,650	10.6	3.11	54.4 / 7.2
				ABT042KT	42,200	12,359	3,980	10.6	3.11	54.4 / 7.2
				ABT048KT	48,000	14,058	4,444	10.8	3.16	54.4 / 7.2
				ABT051KT	51,200	14,058	4,740	10.8	3.16	54.4 / 7.2
				ABT054KA	54,000	15,815	4,820	11.2	3.28	54.4 / 7.2
		3Φ, 208-230V	APA	APA032RA	30,000	8,792	3,030	9.9	2.90	54.4 / 7.2
				ABA044RA	44,500	13,042	4,220	10.6	3.09	54.4 / 7.2
			ABA	ABA051RA	51,500	15,093	4,813	10.7	3.14	54.4 / 7.2
				ABA054RA	54,500	15,972	5,093	10.7	3.14	54.4 / 7.2
				ARA061RA	61,500	18,024	6,029	10.2	2.99	54.4 / 7.2
	ABT	ABT044RM	44,000	12,895	4,151	10.6	3.11	54.4 / 7.2		
		ABT054RM	54,000	15,826	4,910	11.0	3.22	54.4 / 7.2		
	3Φ, 380V	ABT	ABT044UM	44,000	12,895	4,151	10.6	3.11	54.4 / 7.2	
			ABT048UM	48,300	14,146	4,555	10.6	3.11	54.4 / 7.2	
			ABT048UT	48,500	14,204	4,410	11.0	3.22	54.4 / 7.2	
			ABT054UM	53,500	15,669	4,953	10.8	3.16	54.4 / 7.2	

Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	Dimension (mm)		
Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	A	B	C
						421	315	315
						421	315	315
						421	315	315
						421	315	259
						421	315	300
38,100	11,166	2,016	18.9	5.54	37.8 / 7.2	379	259	300
60,000	17,584	2,770	21.7	6.35	37.8 / 10.0	416	294	302
63,000	18,463	3,198	19.7	5.77	37.8 / 7.2	416	294	322
67,000	19,636	3,401	19.7	5.77	37.8 / 7.2	416	302	315
						430	322	315
						421	315	315
						421	315	315
						421	315	315
						421	315	315
						421	315	322
						421	315	308

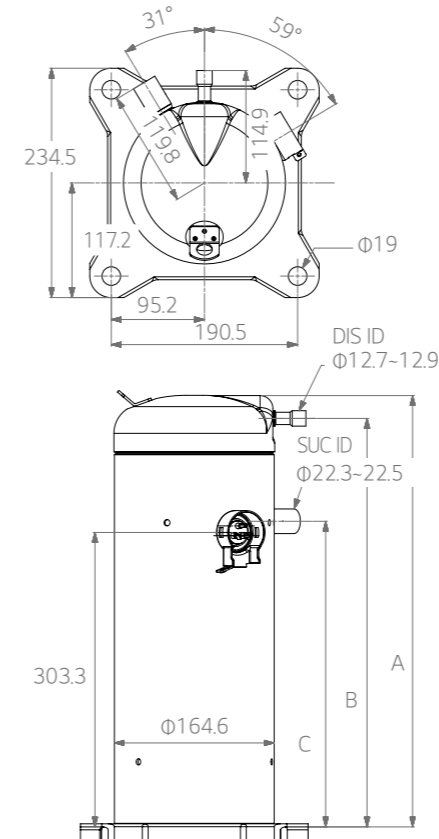
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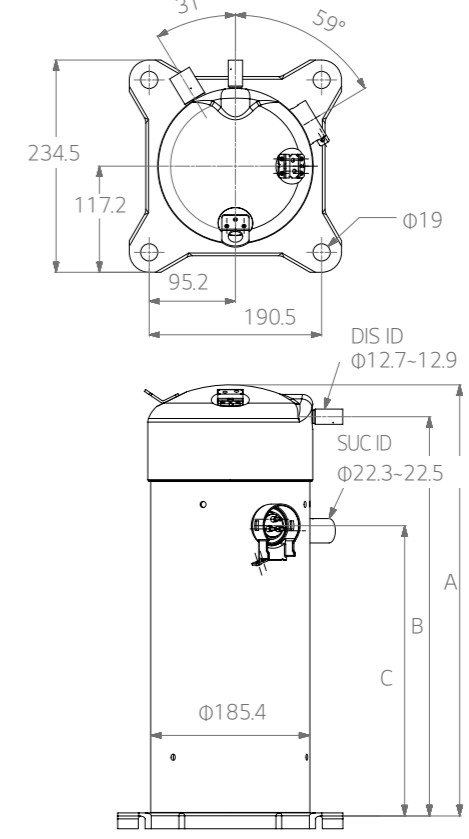
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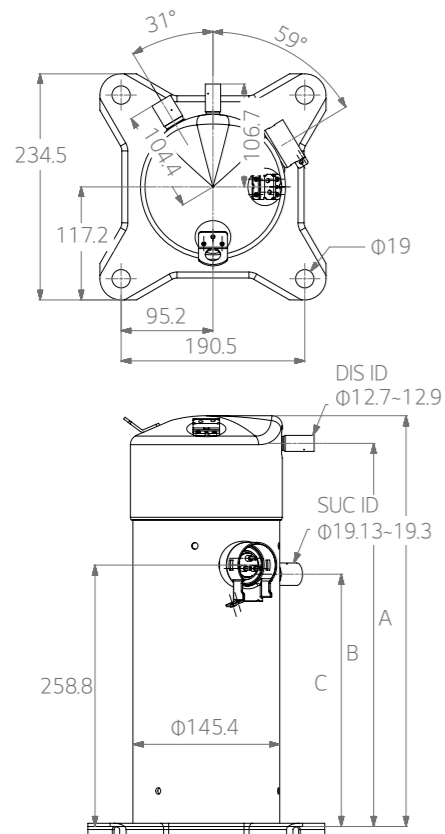
Specification

Fixed Speed R410A [4 of 6]

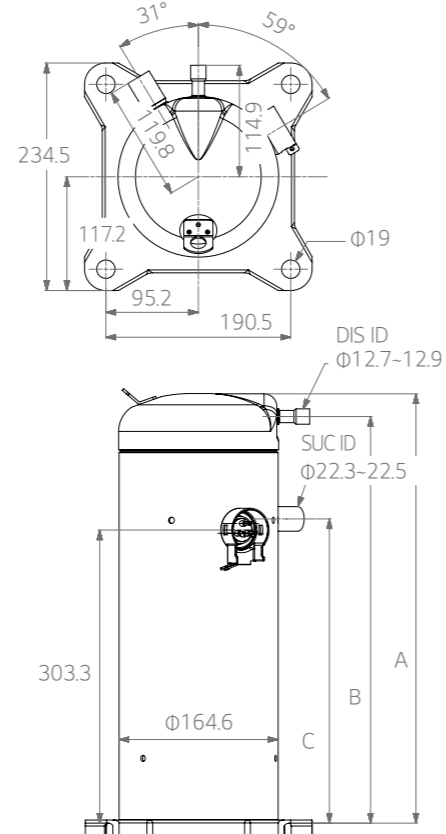
Type	Frequency	Voltage	Series	Model	Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)
					Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C
LSS	60Hz	3Φ, 575V	APA	APA032TA	29,800	8,734	3,010	9.9	2.90	54.4 / 7.2
			ABA	ABA044TA	44,500	13,042	4,220	10.6	3.09	54.4 / 7.2
				ABA051TA	51,000	14,947	4,813	10.7	3.11	54.4 / 7.2
	50/60Hz	3Φ, 380/420V 50Hz /3Φ, 460V, 60Hz	APA	APA032WA	23,300 / 30,000	6,829 / 8,792	2,533 / 3,030	9.2 / 9.9	2.69 / 2.90	54.4 / 7.2
			ABA	ABA051WA	42,500 / 51,500	12,455 / 15,093	4,009 / 4,813	10.6 / 10.7	3.11 / 3.14	54.4 / 7.2
				ABA054WA	44,400 / 54,000	13,012 / 15,826	4,353 / 5,143	10.2 / 10.5	2.99 / 3.08	54.4 / 7.2

Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	Dimension (mm)		
Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	A	B	C
37,600	11,019	1,979	19.0	5.57	37.8 / 7.2	407	379	259
60,000	17,584	2,770	21.7	6.35	37.8 / 10.0	444	418	300
63,000	18,463	3,198	19.7	5.77	37.8 / 7.2	407	379	259
29,700 / 38,100	8,704 / 11,166	1,641 / 1,984	18.1 / 19.2	5.30 / 5.63	37.8 / 7.2	444	418	300
52,000 / 63,000	15,240 / 18,463	2,613 / 3,198	19.9 / 19.7	5.83 / 5.77	37.8 / 7.2	449	416	294
55,000 / 66,500	16,119 / 19,489	2,821 / 3,410	19.5 / 19.5	5.71 / 5.72	37.8 / 7.2	449	416	294

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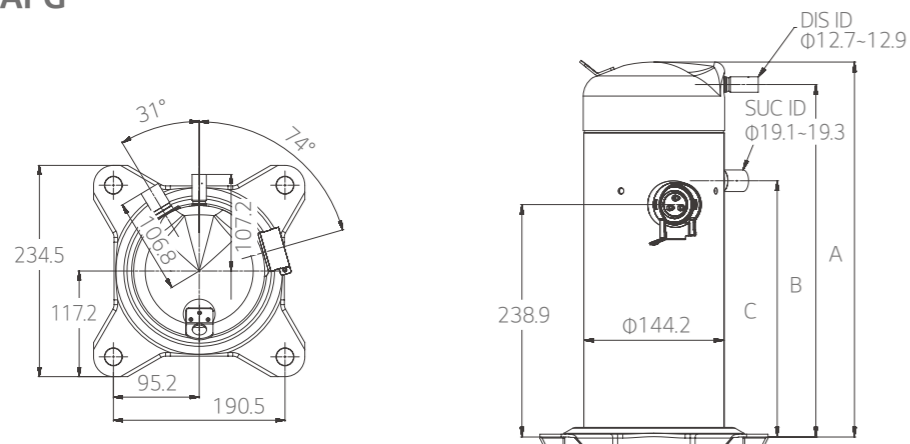
Specification

Fixed Speed R410A [5 of 6]

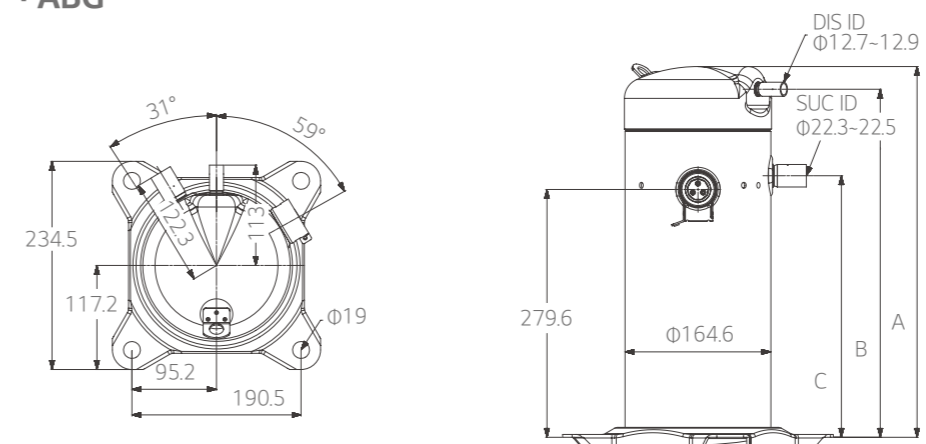
Type	Frequency	Voltage	Series	Model	Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)
					Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C
LSS	60Hz	1Φ, 208-230V	APG	APG014KA	14,600	4,276	1,505	9.7	2.84	54.4 / 7.2
				APG016KA	15,500	4,540	1,582	9.8	2.87	54.4 / 7.2
				APG016KB	15,500	4,540	1,550	10.0	2.93	54.4 / 7.2
				APG020KA	20,000	5,858	1,961	10.2	2.99	54.4 / 7.2
				APG020KB	20,000	5,858	1,961	10.2	2.99	54.4 / 7.2
				APG024KA	23,500	6,883	2,305	10.2	2.99	54.4 / 7.2
				APG024KB	23,500	6,883	2,282	10.3	3.02	54.4 / 7.2
				APG025KA	25,000	7,322	2,427	10.3	3.02	54.4 / 7.2
				APG029KA	28,800	8,435	2,743	10.5	3.08	54.4 / 7.2
			APG031KA	30,800	9,021	2,906	10.6	3.10	54.4 / 7.2	
			ABG	ABG034KA	34,350	10,060	3,303	10.4	3.05	54.4 / 7.2
				ABG034KB	34,350	10,060	3,303	10.4	3.05	54.4 / 7.2
				ABG036KA	36,000	10,544	3,429	10.5	3.08	54.4 / 7.2
				ABG036KB	36,000	10,544	3,429	10.5	3.08	54.4 / 7.2
				ABG038KA	37,500	10,990	3,538	10.6	3.11	54.4 / 7.2
				ABG039KA	39,500	11,569	3,726	10.6	3.10	54.4 / 7.2
				ABG039KB	38,700	11,341	3,650	10.6	3.11	54.4 / 7.2
				ABG042KA	42,000	12,301	3,962	10.6	3.10	54.4 / 7.2
	ABG042KB	42,000		12,301	3,962	10.6	3.10	54.4 / 7.2		
	60Hz	3Φ, 208-230V	APG	APG029RA	28,000	8,201	2,718	10.3	3.02	54.4 / 7.2
				APG031RA	30,300	8,874	2,942	10.3	3.02	54.4 / 7.2
				ABG036RA	36,000	10,550	3,437	10.5	3.07	54.4 / 7.2
			ABG	ABG038RA	38,000	11,129	3,620	10.5	3.08	54.4 / 7.2
				ABG039RA	39,500	11,576	3,762	10.5	3.08	54.4 / 7.2
				ABG042RA	41,500	12,154	3,952	10.5	3.08	54.4 / 7.2
				ABG049RA	49,500	14,497	4,583	10.8	3.16	54.4 / 7.2
				ABG051RA	51,000	14,937	4,722	10.8	3.16	54.4 / 7.2
				ABG054RA	54,900	16,089	4,991	11.0	3.22	54.4 / 7.2

Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	Dimension (mm)		
Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	A	B	C
20,100	5,887	957	21.0	6.15	37.8 / 10.0	385	362	263
21,300	6,238	1,039	20.5	6.00	37.8 / 10.0	385	362	263
21,400	6,268	1,019	21.0	6.15	37.8 / 10.0	385	362	263
27,300	7,995	1,294	21.1	6.18	37.8 / 10.0	385	362	263
27,300	7,995	1,264	21.6	6.33	37.8 / 10.0	385	362	263
32,700	9,577	1,521	21.5	6.30	37.8 / 10.0	385	362	263
32,900	9,636	1,516	21.7	6.36	37.8 / 10.0	385	362	263
35,000	10,251	1,606	21.8	6.38	37.8 / 10.0	385	362	263
39,600	11,598	1,808	21.9	6.41	37.8 / 10.0	385	362	263
42,800	12,535	1,937	22.1	6.47	37.8 / 10.0	385	362	263
47,150	13,809	2,214	21.3	6.24	37.8 / 10.0	419	394	295
47,150	13,809	2,214	21.3	6.24	37.8 / 10.0	419	394	295
49,400	14,468	2,298	21.5	6.30	37.8 / 10.0	419	394	295
49,400	14,468	2,298	21.5	6.30	37.8 / 10.0	419	394	295
51,400	15,054	2,369	21.7	6.36	37.8 / 10.0	419	394	295
53,000	15,522	2,477	21.4	6.27	37.8 / 10.0	419	394	295
53,000	15,522	2,477	21.4	6.27	37.8 / 10.0	419	394	295
57,100	16,723	2,631	21.7	6.36	37.8 / 10.0	419	394	295
57,100	16,723	2,631	21.7	6.36	37.8 / 10.0	419	394	295
67,300	19,710	3,087	21.8	6.38	37.8 / 10.0	419	394	295
69,500	20,355	3,188	21.8	6.38	37.8 / 10.0	419	394	295
39,000	11,422	1,822	21.4	6.27	37.8 / 10.0	385	362	263
41,700	12,213	1,949	21.4	6.27	37.8 / 10.0	385	362	263
49,400	14,477	2,298	21.5	6.30	37.8 / 10.0	419	394	295
51,600	15,112	2,367	21.8	6.38	37.8 / 10.0	419	394	295
53,000	15,532	2,431	21.8	6.39	37.8 / 10.0	419	394	295
57,100	16,723	2,370	21.7	6.36	37.8 / 10.0	419	394	295
67,400	19,740	3,092	21.8	6.38	37.8 / 10.0	419	394	295
69,500	20,355	3,188	21.8	6.38	37.8 / 10.0	419	394	295
74,500	21,833	3,304	22.5	6.61	37.8 / 10.0	419	394	295

· APG



· ABG





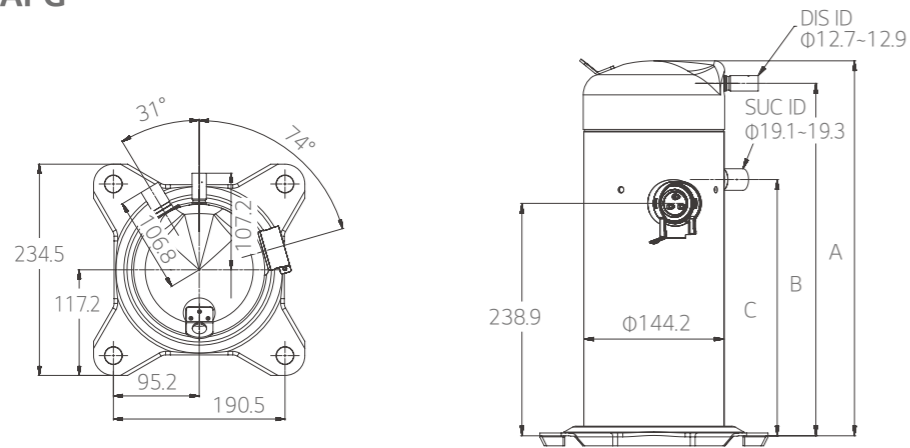
Specification

Fixed Speed R410A [6 of 6]

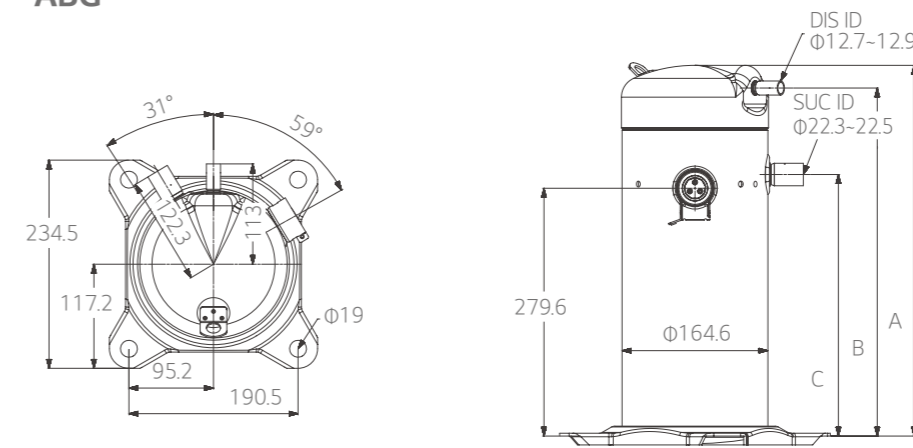
Type	Frequency	Voltage	Series	Model	Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)		
					Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C		
LSS	60Hz	3Φ, 575V	APG	APG029TA	28,000	8,201	2,718	10.3	3.02	54.4 / 7.2		
				APG031TA	30,000	8,786	2,913	10.3	3.02	54.4 / 7.2		
			ABG	ABG038TA	37,800	11,071	3,600	10.5	3.08	54.4 / 7.2		
				ABG039TA	39,500	11,576	3,762	10.5	3.08	54.4 / 7.2		
				ABG042TA	41,500	12,154	3,952	10.5	3.08	54.4 / 7.2		
				ABG049TA	49,500	14,497	4,626	10.7	3.13	54.4 / 7.2		
				ABG051TA	51,000	14,937	4,766	10.7	3.13	54.4 / 7.2		
				ABG054TA	54,400	15,943	5,014	10.8	3.18	54.4 / 7.2		
			50/60Hz	3Φ, 380/420V 50Hz / 3Φ, 460V, 60Hz	APG	APG029WA	28,200	8,259	2,738	10.3	3.02	54.4 / 7.2
						APG029WA	22,500	6,590	2,320	9.7	2.84	54.4 / 7.2
					ABG	APG031WA	30,000	8,786	2,913	10.3	3.02	54.4 / 7.2
						APG031WA	24,100	7,058	2,485	9.7	2.84	54.4 / 7.2
	ABG038WA	38,000				11,129	3,619	10.5	3.08	54.4 / 7.2		
	ABG038WA	31,500				9,226	3,029	10.4	3.05	54.4 / 7.2		
	ABG039WA	39,500				11,576	3,762	10.5	3.08	54.4 / 7.2		
	ABG039WA	32,700				9,583	3,144	10.4	3.05	54.4 / 7.2		
	ABG042WA	41,500				12,154	3,952	10.5	3.08	54.4 / 7.2		
	ABG042WA	34,400				10,075	3,308	10.4	3.05	54.4 / 7.2		
	ABG049WA	49,700				14,556	4,602	10.8	3.16	54.4 / 7.2		
	ABG049WA	40,400				11,832	3,885	10.4	3.05	54.4 / 7.2		
	ABG051WA	51,000	14,937	4,722	10.8	3.16	54.4 / 7.2					
	ABG051WA	41,700	12,213	4,010	10.4	3.05	54.4 / 7.2					
	ABG054WA	54,900	16,089	4,968	11.1	3.24	54.4 / 7.2					
	ABG054WA	44,500	13,041	4,140	10.7	3.15	54.4 / 7.2					

Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	Dimension (mm)		
Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	A	B	C
39,000	11,422	1,806	21.6	6.33	37.8 / 10.0	385	362	263
41,700	12,213	1,931	21.6	6.33	37.8 / 10.0	385	362	263
51,600	15,112	2,367	21.8	6.38	37.8 / 10.0	419	394	295
53,000	15,532	2,431	21.8	6.39	37.8 / 10.0	419	394	295
57,100	16,723	2,619	21.8	6.38	37.8 / 10.0	419	394	295
67,400	19,740	3,092	21.8	6.38	37.8 / 10.0	419	394	295
69,500	20,355	3,188	21.8	6.38	37.8 / 10.0	419	394	295
74,200	21,745	3,320	22.3	6.55	37.8 / 10.0	419	394	295
39,100	11,451	1,802	21.7	6.36	37.8 / 10.0	385	362	263
32,000	9,372	1,488	21.5	6.30	37.8 / 10.0	385	362	263
41,600	12,184	1,917	21.7	6.36	37.8 / 10.0	385	362	263
34,400	10,075	1,585	21.7	6.36	37.8 / 10.0	385	362	263
51,600	15,112	2,367	21.8	6.38	37.8 / 10.0	419	394	295
42,400	12,418	1,945	21.8	6.38	37.8 / 10.0	419	394	295
53,000	15,532	2,431	21.8	6.39	37.8 / 10.0	419	394	295
44,000	12,895	2,018	21.8	6.39	37.8 / 10.0	419	394	295
57,100	16,723	2,619	21.8	6.38	37.8 / 10.0	419	394	295
47,600	13,941	2,183	21.8	6.38	37.8 / 10.0	419	394	295
67,500	19,769	3,096	21.8	6.38	37.8 / 10.0	419	394	295
55,800	16,342	2,560	21.8	6.38	37.8 / 10.0	419	394	295
69,500	20,355	3,188	21.8	6.38	37.8 / 10.0	419	394	295
57,700	16,899	2,647	21.8	6.38	37.8 / 10.0	419	394	295
74,500	21,833	3,296	22.6	6.62	37.8 / 10.0	419	394	295
61,600	18,053	2,678	23.0	6.74	37.8 / 10.0	419	394	295

· APG



· ABG





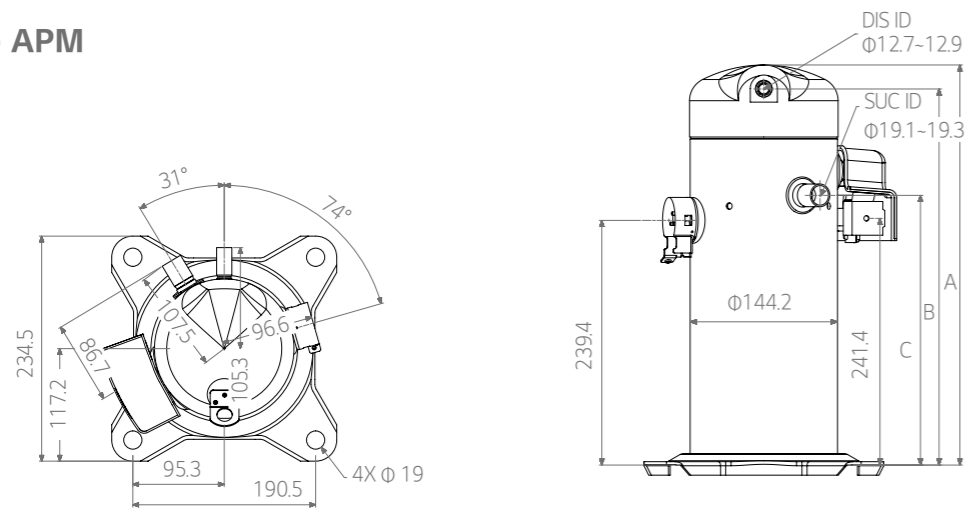
Specification

2 Stage Modulating R410A

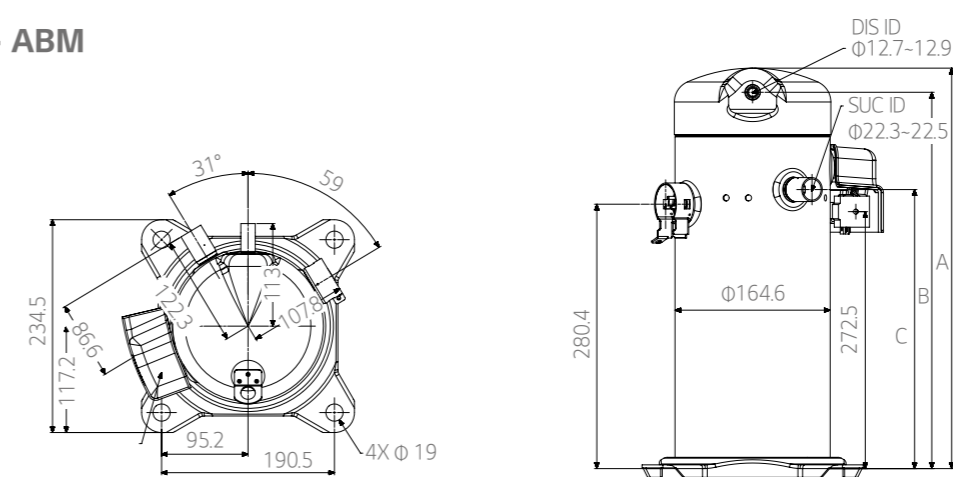
Type	Frequency	Voltage	Series	Model	Power Mode (Full Load)						
					Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	
					Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	
LSS	60Hz	1Φ, 208-230V	APM	APM016KA	20,000	5,858	1,342	14.9	4.36	46.1 / 10.0	
				APM020KA	25,000	7,322	1,656	15.1	4.42	46.1 / 10.0	
				APM021KA	26,400	7,732	1,703	15.5	4.54	46.1 / 10.0	
			ABM	ABM030KA	37,900	11,100	2,399	15.8	4.63	46.1 / 10.0	
				ABM031KA	38,000	11,129	2,436	15.6	4.57	46.1 / 10.0	
				ABM035KA	45,400	13,296	2,838	16.0	4.69	46.1 / 10.0	
		3Φ, 208-230V	APM	APM030RA	38,000	12,667	2,460	15.4	5.15	46.1 / 10.0	
				ABM040RA	50,600	14,819	3,123	16.2	4.75	46.1 / 10.0	
				ABM042RA	52,100	15,259	3,216	16.2	4.74	46.1 / 10.0	
			ABM	ABM051RA	63,400	21,133	3,914	16.2	5.40	46.1 / 10.0	
				APM	APM030TA	38,000	12,667	2,460	15.4	5.15	46.1 / 10.0
					ABM040TA	50,700	16,900	3,169	16.0	5.33	46.1 / 10.0
	3Φ, 575V	ABM	ABM051TA	63,000	21,000	3,938	16.0	5.33	46.1 / 10.0		
			APM	APM030WA	38,000	12,667	2,460	15.4	5.15	46.1 / 10.0	
				ABM040WA	50,500	16,833	3,156	16.0	5.33	46.1 / 10.0	
		ABM	ABM042WA	52,000	15,230	3,230	16.1	4.72	46.1 / 10.0		
			ABM051WA	63,000	21,000	3,889	16.2	5.40	46.1 / 10.0		
			3Φ, 460V	APM	APM030WA	38,000	12,667	2,460	15.4	5.15	46.1 / 10.0
	ABM040WA	50,500			16,833	3,156	16.0	5.33	46.1 / 10.0		
	ABM042WA	52,000			15,230	3,230	16.1	4.72	46.1 / 10.0		
	ABM	ABM051WA		63,000	21,000	3,889	16.2	5.40	46.1 / 10.0		
		APM		APM030WA	30,900	10,300	2,060	15.0	5.00	46.1 / 10.0	
				ABM040WA	41,000	13,667	2,611	15.7	5.23	46.1 / 10.0	
	50Hz	3Φ, 380-420V	ABM	ABM042WA	42,700	12,506	2,711	15.75	4.61	46.1 / 10.0	
ABM051WA				51,500	17,167	3,179	16.2	5.40	46.1 / 10.0		

Saving Mode (Part Load)						Modulation Ratio Power / Saving	Dimension (mm)			Solenoid Valve
Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)		A	B	C	Voltage
Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C					
15,500	4,540	820	18.9	5.54	37.8 / 10.0	67%	391	368	263	24Vac, 50/60Hz
19,600	5,740	1,010	19.4	5.68	37.8 / 10.0	67%	391	368	263	24Vac, 50/60Hz
20,900	6,121	1,066	19.6	5.74	37.8 / 10.0	67%	391	368	263	24Vac, 50/60Hz
28,100	8,230	1,419	19.8	5.80	37.8 / 10.0	67%	391	368	263	24Vac, 50/60Hz
28,200	8,259	1,439	19.6	5.74	37.8 / 10.0	67%	391	368	263	24Vac, 50/60Hz
35,000	9,958	1,733	20.2	5.75	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
38,600	11,305	1,901	20.3	5.95	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
39,900	11,686	1,966	20.3	5.95	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
48,100	14,087	2,369	20.3	5.95	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
28,100	9,367	1,435	19.6	6.53	37.8 / 10.0	67%	391	368	263	24Vac, 50/60Hz
38,300	12,767	1,887	20.3	6.77	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
39,900	11,686	1,966	20.3	5.95	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
48,300	16,100	2,345	20.6	6.87	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
28,100	9,367	1,415	19.9	6.62	37.8 / 10.0	67%	391	368	263	24Vac, 50/60Hz
38,600	12,867	1,892	20.4	6.80	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
48,100	16,033	2,324	20.7	6.90	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
28,100	9,367	1,435	19.6	6.53	37.8 / 10.0	67%	391	368	263	24Vac, 50/60Hz
38,600	12,867	1,901	20.3	6.77	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
39,900	11,686	1,966	20.3	5.95	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
48,300	16,100	2,379	20.3	6.77	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
22,100	7,367	1,175	18.8	6.27	37.8 / 10.0	67%	391	368	263	24Vac, 50/60Hz
31,400	10,467	1,554	20.2	6.74	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
31,800	9,313	1,563	20.35	5.96	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz
38,700	12,900	1,852	20.9	6.97	37.8 / 10.0	67%	425	400	295	24Vac, 50/60Hz

• APM



• ABM





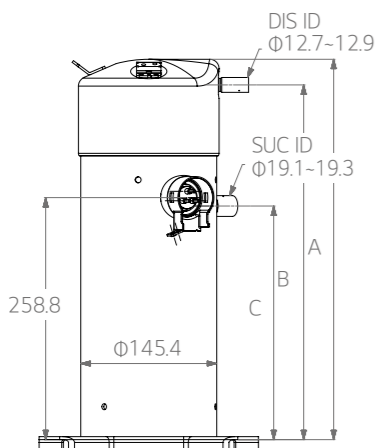
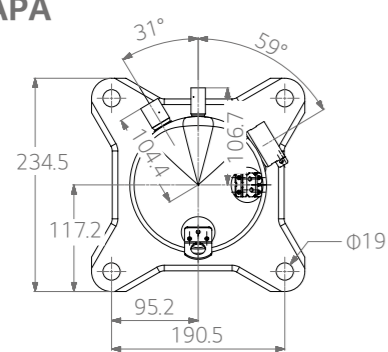
Specification

Variable Speed R410A+R32

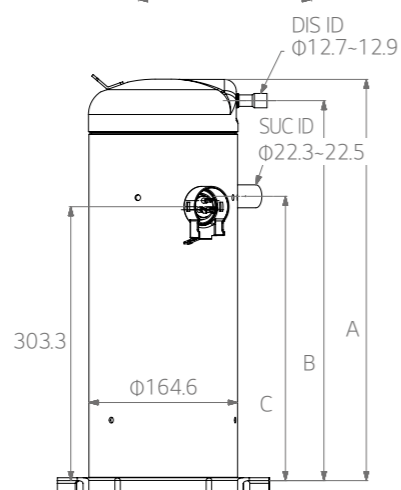
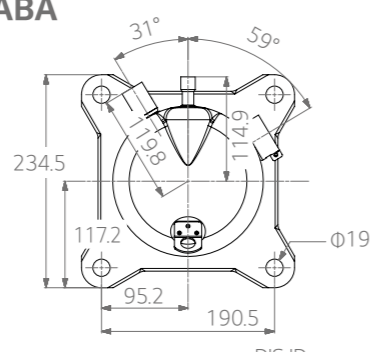
Refrigerant	Type	Series	Model	Power	Cooling Capacity		Input	EER	COP	Test Condition		
					Btu/hr	Watts						
R410A	LSS	APA	APA020DA	DC380V	20,300	5,945	2,010	10.1	3.0	54.4 / 7.2		
			APA020MA	DC380V	20,300	5,945	2,030	10.0	2.9	54.4 / 7.2		
			APA026DA	DC380V	25,000	7,322	2,475	10.1	3.0	54.4 / 7.2		
			APA026MA	DC380V	25,000	7,322	2,475	10.1	3.0	54.4 / 7.2		
			APA029MB	DC380V	27,300	7,995	2,625	10.4	3.1	54.4 / 7.2		
			ABA042DB	DC380V	44,200	12,945	4,055	10.9	3.2	54.4 / 7.2		
		ABA	ABA042MA	DC380V	44,200	12,945	4,131	10.7	3.1	54.4 / 7.2		
			ABA051DA	DC380V	53,500	15,669	4,864	11.0	3.2	54.4 / 7.2		
			ABA051MA	DC380V	53,500	15,669	4,908	10.9	3.2	54.4 / 7.2		
			HSS	JQC	JQC048MA	DC540V	51,000	14,947	3,300	11.2	4.5	54.4 / 7.2
					JQC048MB	DC310V	50,000	14,654	4,620	10.8	3.2	54.4 / 7.2
					JQC068MA	DC540V	71,000	20,808	6,200	11.5	3.4	54.4 / 7.2
	JQC068MB	DC310V			71,000	20,808	6,300	11.3	3.3	54.4 / 7.2		
	JBA096MA	DC540V	102,700	30,100	8,800	11.7	3.4	54.4 / 7.2				
	R-Scroll	RJ	RJA036MAA	DC520V	37,100	10,866	3,198	11.6	3.4	54.4 / 7.2		
			RJB036MBA	DC380V	37,100	10,866	3,198	11.6	3.4	54.4 / 7.2		
			RJB036MAA	DC520V	37,100	10,866	3,226	11.5	3.4	54.4 / 7.2		
			RJB036MAB	DC520V	37,100	10,866	3,198	11.6	3.4	54.4 / 7.2		
RJA040MAB			DC380V	60,700	17,778	3,794	16.0	4.7	46.1 / 10.0			
RJA020MAB			DC380V	20,300	5,946	1,294	15.7	4.6	46.1 / 10.0			
R32	R-Scroll	RJ	RJB036MAA	DC520V	37,700	11,042	3,397	11.1	3.4	54.4 / 7.2		
			RJB036MBA	DC380V	37,650	11,027	3,356	11.2	3.4	54.4 / 7.2		
			RJB036MAB	DC520V	37,650	11,027	3,356	11.2	3.4	54.4 / 7.2		

Cooling Capacity	Input	EER	COP	Test Condition	Range	Dimension (mm)			
						A	B	C	
24,700	7,234	1280	19.3	5.65	37.8 / 7.2	20-70	407	379	250
24,700	7,234	1293	19.1	5.59	37.8 / 7.2	20-70	407	379	250
31,000	9,079	1566	19.8	5.80	37.8 / 7.2	20-70	407	379	250
31,000	9,079	1598	19.4	5.68	37.8 / 7.2	20-70	407	379	250
33,500	9,811	1624	20.4	5.98	37.8 / 7.2	15-100	377	349	220
53,500	15,669	2716	19.7	5.77	37.8 / 7.2	20-70	449	416	297
53,500	15,669	2758	19.4	5.68	37.8 / 7.2	20-70	449	416	297
64,500	18,890	3241	19.9	5.83	37.8 / 7.2	20-70	449	416	297
64,500	18,890	3274	19.7	5.77	37.8 / 7.2	20-70	449	416	297
61,000	17,877	2905	21.0	6.15	37.8 / 7.2	12-165	426	337	489
61,500	18,024	2943	20.9	6.12	37.8 / 7.2	12-165	426	337	489
85,000	24,911	4060	20.9	6.14	37.8 / 7.2	12-165	426	337	489
85,000	24,911	4130	20.6	6.03	37.8 / 7.2	12-165	426	337	489
121,500	35,608	5690	21.4	6.26	37.8 / 7.2	12-160	458	379	527
37,000	10,836	1697	21.8	6.39	37.8 / 7.2	10-150	366	366	356
37,000	10,836	1697	21.8	6.39	37.8 / 7.2	10-150	366	366	356
37,000	10,836	1721	21.5	6.30	37.8 / 7.2	10-150	366	366	356
37,000	10,836	1697	21.8	6.39	37.8 / 7.2	10-150	366	366	356
30,700	8,992	1323	23.2	6.80	37.8 / 10.0	15-120	366	366	356
13,200	3,866	595	22.2	6.50	37.8 / 10.0	15-120	366	366	356
36,600	10,719	1803	20.3	5.95	37.8 / 7.2	10-150	366	366	356
36,350	10,647	1766	20.4	6.03	37.8 / 7.2	10-150	366	366	356
36,350	10,647	1766	20.4	6.03	37.8 / 7.2	10-150	366	366	356

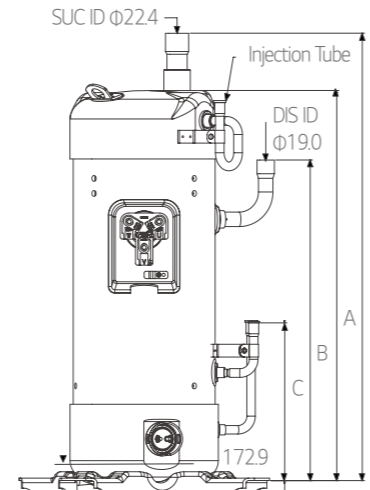
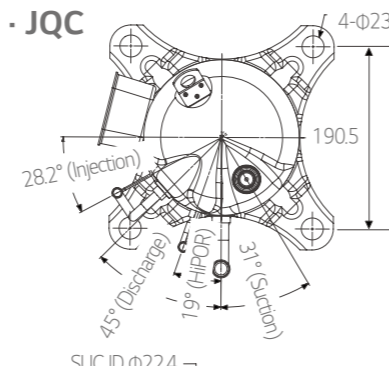
- APA



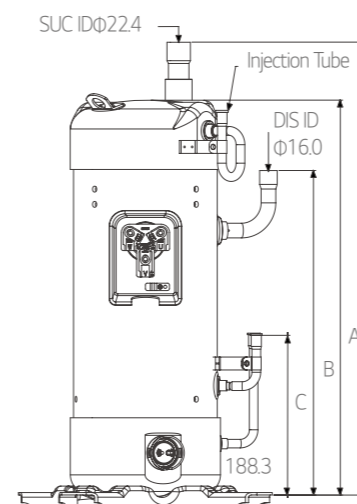
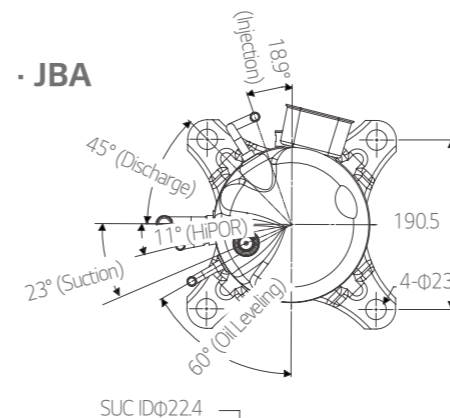
- ABA



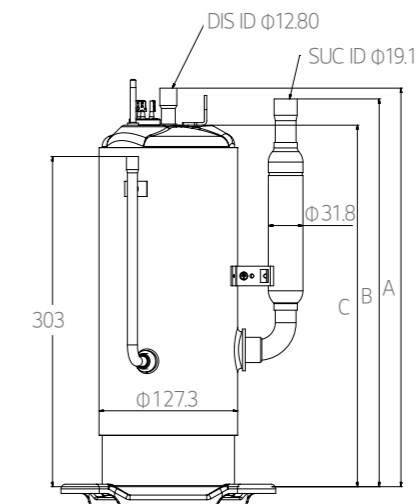
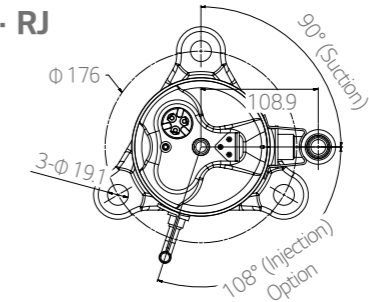
- JQC



- JBA



- RJ





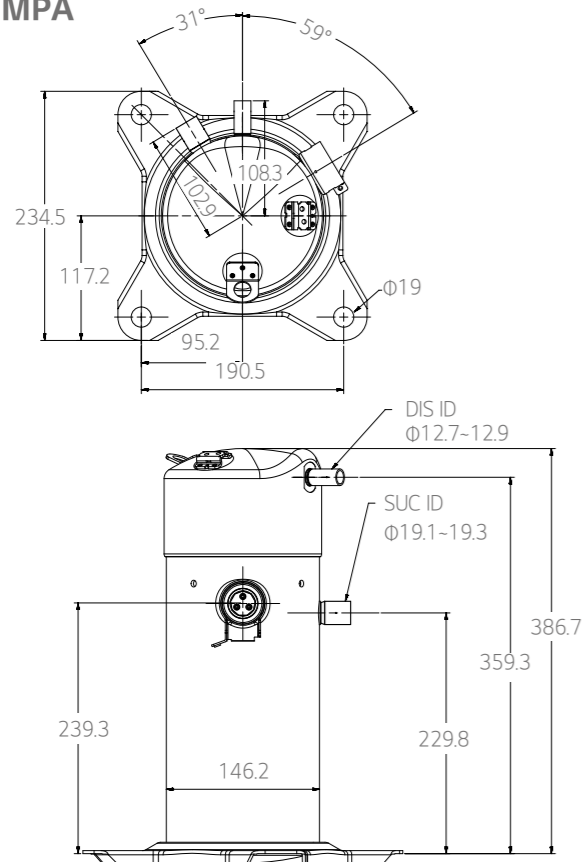
Specification

For Refrigeration Application [1 of 2]

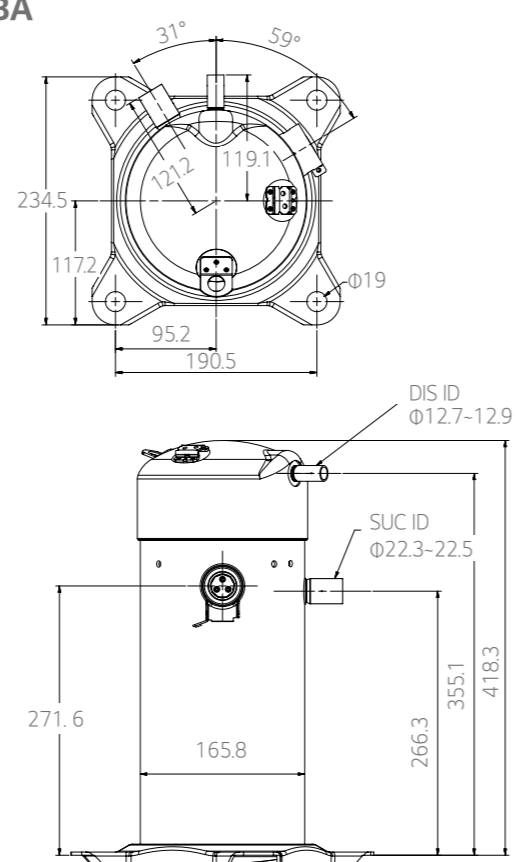
Type	Frequency	Voltage	Series	Model	Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)
					Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C
LSS	60Hz	1Φ, 208-230V	MPA	MPA010KA	15,300	4,481	1,779	8.6	2.52	54.4 / 7.2
				MPA013KA	19,800	5,799	2,176	9.1	2.66	54.4 / 7.2
				MPA015KA	23,400	6,853	2,543	9.2	2.69	54.4 / 7.2
				MPA019KA	26,100	7,644	2,868	9.1	2.67	54.4 / 7.2
			MBA	MBA021KA	34,400	10,075	3,909	8.8	2.58	54.4 / 7.2
				MBA026KA	38,500	11,276	4,278	9.0	2.64	54.4 / 7.2
				MBA029KA	43,000	12,594	4,725	9.1	2.67	54.4 / 7.2
				MBA033KA	48,100	14,087	5,286	9.1	2.67	54.4 / 7.2
			MRA	MRA038KA	54,000	15,815	6,585	8.2	2.40	54.4 / 7.2
			60Hz	3Φ, 208-230V	MPA	MPA010RA	15,400	4,510	1,770	8.7
	MPA013RA	19,600				5,740	2,227	8.8	2.58	54.4 / 7.2
	MPA015RA	23,000				6,736	2,566	9.0	2.63	54.4 / 7.2
	MPA019RA	25,800				7,556	2,867	9.0	2.64	54.4 / 7.2
	MBA	MBA021RA			34,500	10,104	3,833	9.0	2.64	54.4 / 7.2
		MBA026RA			38,100	11,159	4,187	9.1	2.67	54.4 / 7.2
		MBA029RA			43,000	12,594	4,674	9.2	2.69	54.4 / 7.2
		MBA033RA			48,100	14,087	5,344	9.0	2.64	54.4 / 7.2
	MRA	MRA038RA			54,500	15,962	6,337	8.6	2.52	54.4 / 7.2
	MRA045RA	65,000			19,037	7,558	8.6	2.52	54.4 / 7.2	

Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	Dimension (mm)		
Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	A	B	C
9,700	2,841	1,540	6.3	1.85	48.9 / -6.7	387	359	230
12,500	3,661	1,894	6.6	1.93	48.9 / -6.7	387	359	230
15,200	4,452	2,171	7.0	2.05	48.9 / -6.7	387	359	230
16,900	4,950	2,449	6.9	2.02	48.9 / -6.7	387	359	230
22,400	6,560	3,294	6.8	1.99	48.9 / -6.7	418	385	266
25,000	7,322	3,623	6.9	2.02	48.9 / -6.7	418	385	266
27,700	8,113	4,014	6.9	2.02	48.9 / -6.7	418	385	266
31,100	9,108	4,574	6.8	1.99	48.9 / -6.7	418	385	266
37,000	10,836	5,522	6.7	1.96	48.9 / -6.7	455	422	304
9,600	2,812	1,548	6.2	1.82	48.9 / -6.7	387	359	230
12,700	3,720	1,954	6.50	1.90	48.9 / -6.7	387	359	230
14,900	4,364	2,191	6.8	1.99	48.9 / -6.7	387	359	230
16,800	4,920	2,507	6.7	1.96	48.9 / -6.7	387	359	230
22,400	6,560	3,294	6.8	1.99	48.9 / -6.7	418	385	266
24,800	7,263	3,594	6.9	2.02	48.9 / -6.7	418	385	266
27,800	8,142	3,971	7.0	2.05	48.9 / -6.7	418	385	266
31,300	9,167	4,536	6.9	2.02	48.9 / -6.7	418	385	266
37,200	10,895	5,314	7.0	2.05	48.9 / -6.7	455	422	304
45,100	13,209	6,264	7.2	2.11	48.9 / -6.7	455	422	304

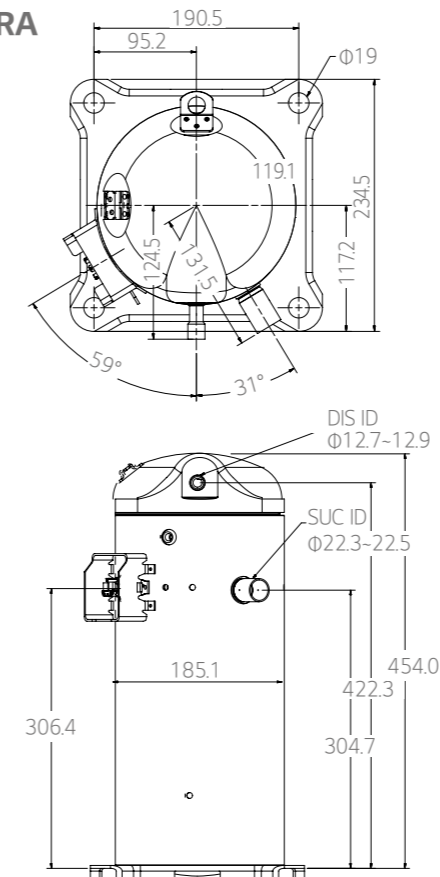
· MPA



· MBA



· MRA





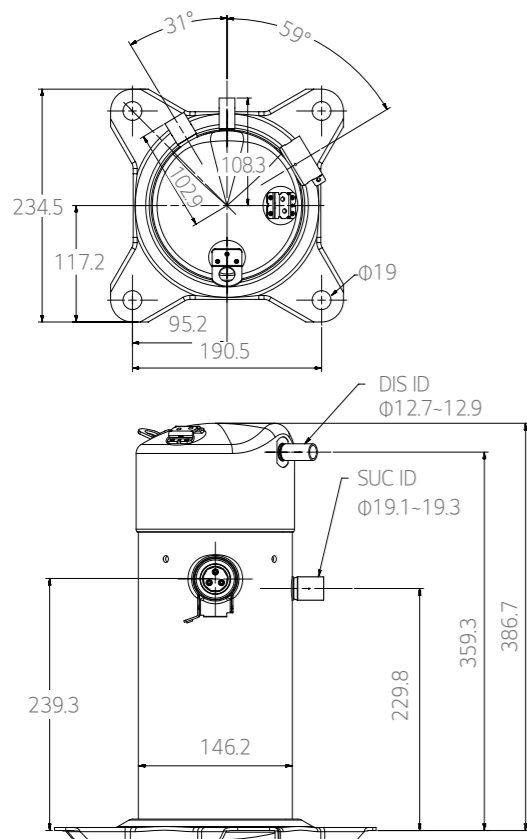
Specification

For Refrigeration Application [2 of 2]

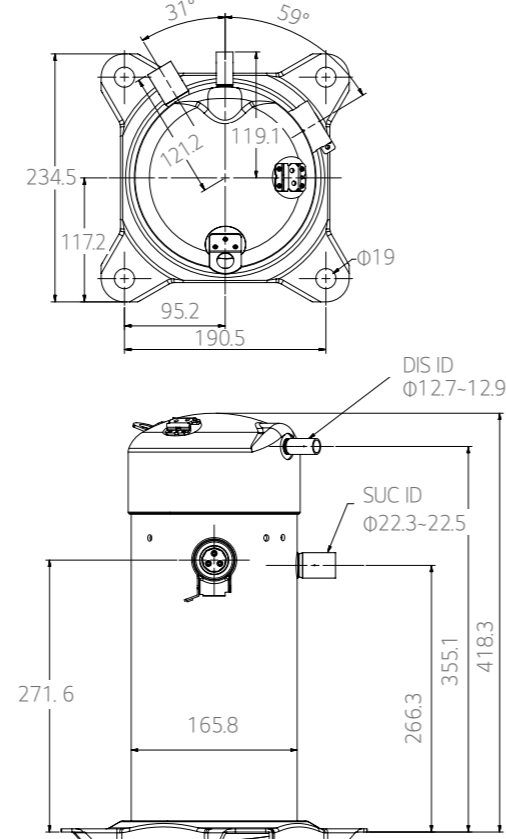
Type	Frequency	Voltage	Series	Model	Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	
					Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	
LSS	60Hz	3Φ, 380V	MPA	MPA015UA	22,600	6,619	2,511	9.0	2.64	54.4 / 7.2	
				MBA	MBA021UA	34,500	10,104	3,833	9.0	2.64	54.4 / 7.2
			MBA	MBA029UA	43,000	12,594	4,674	9.2	2.69	54.4 / 7.2	
				MBA033UA	48,400	14,175	5,261	9.2	2.69	54.4 / 7.2	
				MPA	MPA010SA	15,500	4,540	1,761	8.8	2.58	54.4 / 7.2
					MPA013SA	19,600	5,740	2,202	8.9	2.61	54.4 / 7.2
	MPA015SA	22,800	6,678		2,533	9.0	2.64	54.4 / 7.2			
	3Φ, 460V	MPA	MPA019SA	25,600	7,498	2,844	9.0	2.64	54.4 / 7.2		
			MBA021SA	34,600	10,133	3,844	9.0	2.64	54.4 / 7.2		
			MBA026SA	38,000	11,129	4,176	9.1	2.67	54.4 / 7.2		
		MBA	MBA029SA	42,800	12,535	4,652	9.2	2.69	54.4 / 7.2		
			MBA033SA	48,100	14,087	5,286	9.1	2.67	54.4 / 7.2		
			MRA	MRA038SA	54,700	16,020	6,360	8.6	2.52	54.4 / 7.2	
		MRA045SA		65,000	19,037	7,558	8.6	2.52	54.4 / 7.2		

Cooling Capacity		Input	EER	COP	Test Condition (Cond / Eva Temp)	Dimension (mm)		
Btu/hr	Watts	Watts	Btu/W-hr	W/W	°C	A	B	C
14,750	4,320	2,169	6.8	1.99	48.9 / -6.7	387	359	230
22,300	6,531	3,279	6.8	1.99	48.9 / -6.7	418	385	266
27,800	8,142	3,971	7.0	2.05	48.9 / -6.7	418	385	266
31,500	9,226	4,437	7.1	2.08	48.9 / -6.7	418	385	266
9,650	2,826	1,556	6.2	1.82	48.9 / -6.7	387	359	230
12,700	3,720	1,924	6.6	1.93	48.9 / -6.7	387	359	230
14,900	4,364	2,191	6.8	1.99	48.9 / -6.7	387	359	230
16,800	4,920	2,471	6.8	1.99	48.9 / -6.7	387	359	230
22,400	6,560	3,294	6.8	1.99	48.9 / -6.7	418	385	266
24,800	7,263	3,594	6.9	2.02	48.9 / -6.7	418	385	266
27,700	8,113	4,014	6.9	2.02	48.9 / -6.7	418	385	266
31,300	9,167	4,536	6.9	2.02	48.9 / -6.7	418	385	266
37,800	11,071	5,324	7.1	2.08	48.9 / -6.7	455	422	304
45,200	13,238	6,278	7.2	2.11	48.9 / -6.7	455	422	304

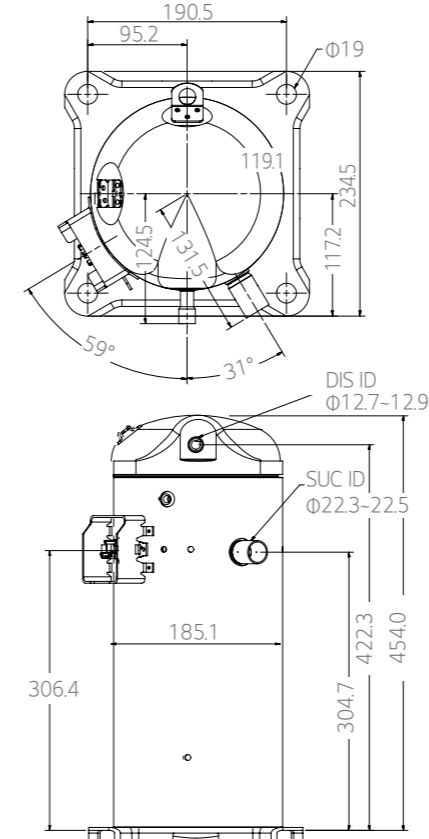
· MPA



· MBA



· MRA





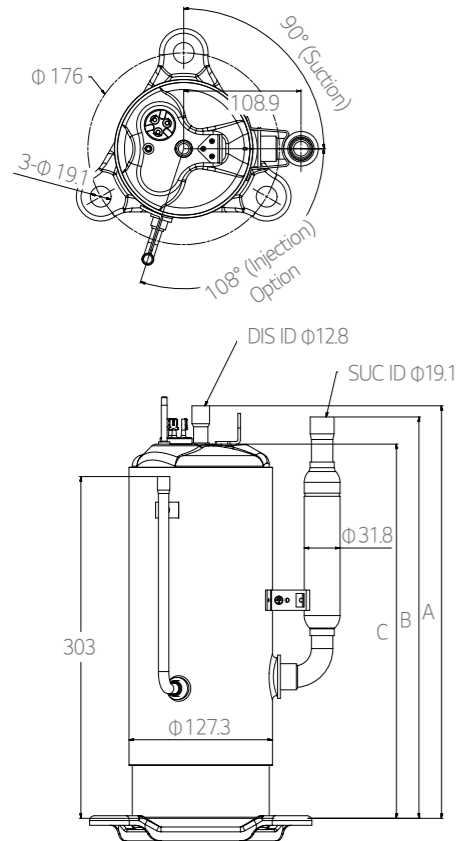
Specification

For Heatpump Application

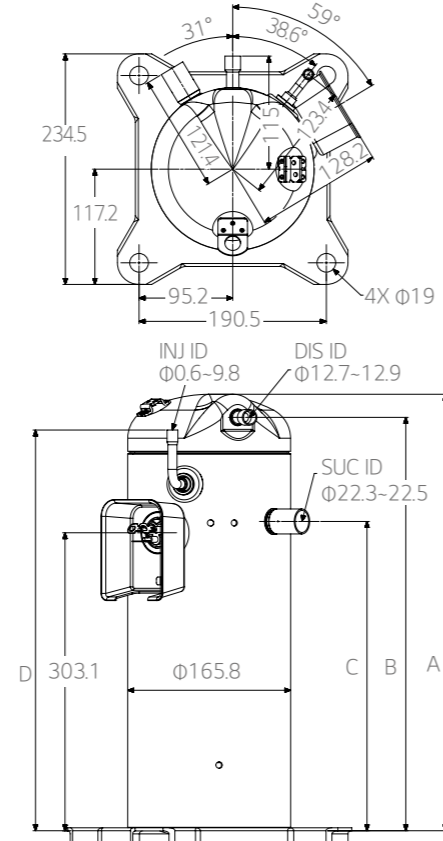
Refrigerant	Type	Frequency	Voltage	Series	Model	Heating Capacity		Input		EER	COP	Test Condition (Cond / Eva Temp) °C
						Btu/hr	Watts	Watts	Btu/W-hr			
R410A	R-Scroll	10-150Hz	DC520V	RJ	RJB036MAC	35,000	10,251	3,125	11.2	3.41	54.4 / 7.2	
R410A	LSS	50Hz	1Φ, 220-240V	HABT	HABT057PA	63,100	18,480	4,725	13.35	3.91	54.4 / 7.2	
R22	LSS	50Hz	1Φ, 220-240V	HSBA	HSBA052PA	56,910	16,668	4,094	13.90	4.07	54.4 / 7.2	

Heating Capacity		Input Watts	EER Btu/W-hr	COP W/W	Test Condition °C	Dimension (mm)		
Btu/hr	Watts					A	B	C
21,200	6,209	2,718	7.8	2.28	48.9 / -2.2	366	366	356
58,650	17,177	4,770	12.30	3.60	55.0 / 5.0	444	421	315
53,090	15,549	4,115	12.90	3.78	55.0 / 5.0	444	421	315

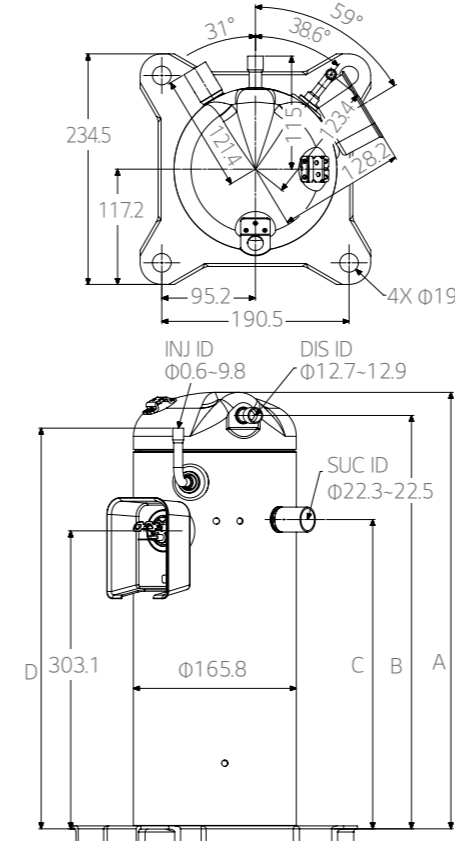
· RJ



· HSBA



· HABT



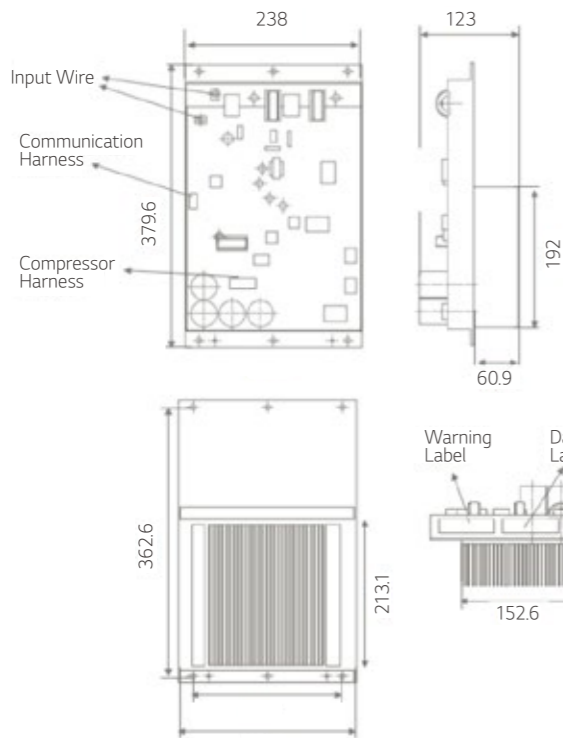


Specification

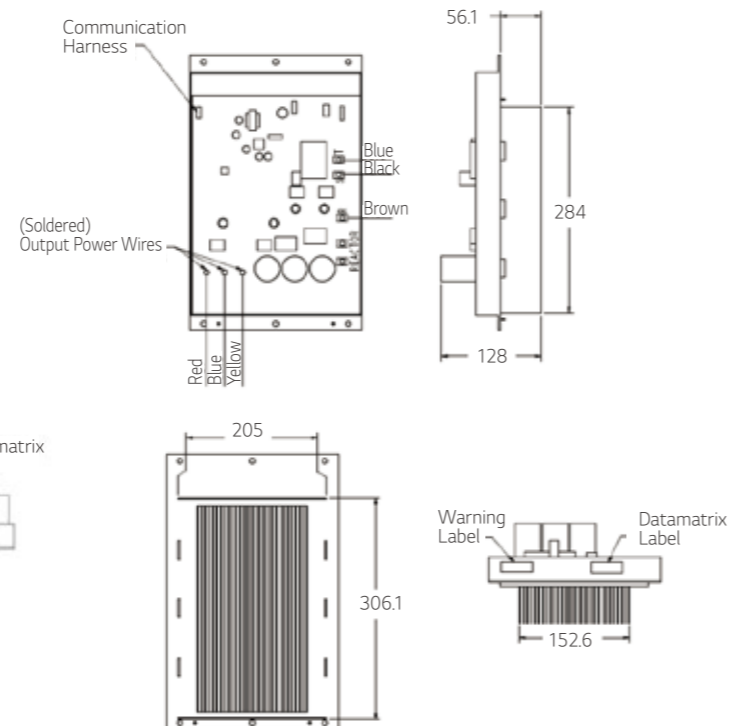
Drive

Contents	Spec	4kW (1 Phase)	7kW (3 Phase, 230V)	7kW (3 Phase, 460V)
Drive	1 Model name (P/No.)	PDR040K310	PDR070S010	PDR070R010
	2 Rated input voltage	1Φ, 208-230Vac, 50/60Hz	3Φ, 230Vac, 50/60Hz	3Φ, 460Vac, 50/60Hz
	3 Maximum input current	18Arms	11Arms	7Arms
	4 Maximum input power	4,000 W	7,000 W	7,000 W
	5 Operating compressor Hz	20 ~ 70Hz	20 ~ 70Hz	20 ~ 70Hz
	6 Converter type / boost up voltage	I-PFC / 340~400Vdc	B/diode 325Vdc	B/diode 650Vdc
	7 PFC ON / OFF control	Based on Input power 750 / 650 W *1	-	-
	8 Compressor connection color	Red (U) / Blue (V) / Yellow (W)	Red (U) / Blue (V) / Yellow (W)	Red (U) / Blue (V) / Yellow (W)
	9 Ambient operating temperature	-20°C ~ 48°C	-20°C ~ 48°C	-20°C ~ 48°C
	10 Storage temperature	-40°C ~ 60°C	-40°C ~ 60°C	-40°C ~ 60°C
	11 Max. storage relative humidity	85%	85%	85%
Reactor	1 Model name (P/No.)	PDR040K350	PDR070S020	PDR070R020
	2 Rated input voltage	1Φ, 208-230Vac, 50/60Hz	3Φ, 230Vac, 50/60Hz	3Φ, 460Vac, 50/60Hz
	3 Maximum input current	18Arms	25Arms	14Arms
	4 Inductance at 20KHz, 1VAC (20°C)	220μH ± 15%	2mH	13mH
Transformer	1 Model name (P/No.)	-	PDR070S030	PDR070R030
	2 Transformer ratio	-	1 : 1	2 : 1
Noise filter	1 Model name (P/No.)	-	PDR070S040	PDR070S040
	2 Rated input voltage	-	3Φ, 230Vac, 50/60Hz	3Φ, 460Vac, 50/60Hz
	3 Maximum input current	-	25Arms	25Arms

- 4kW

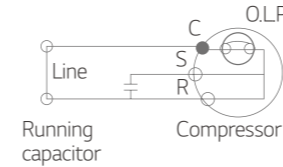


- 3ph 7kW

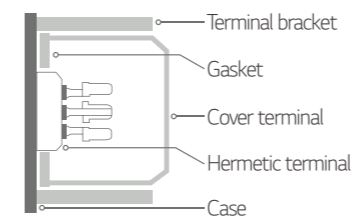


Wiring Diagram

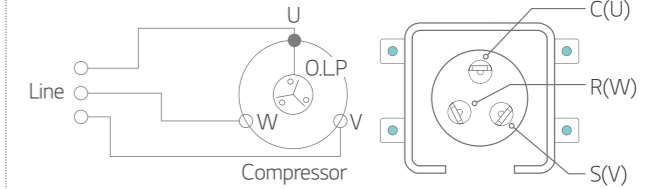
1HP



Cover Terminal Fitting



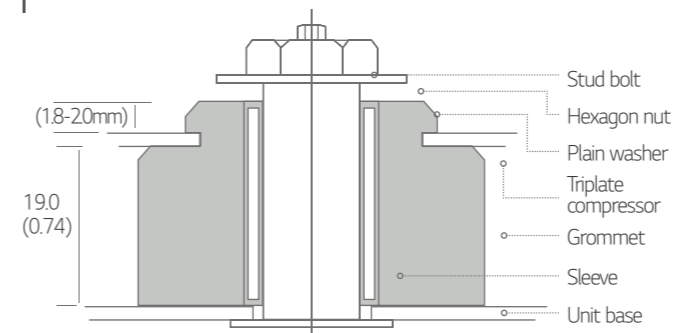
3HP



*OLP : Over Load Protector

*C.S.R mark is embossed on a Cover terminal.

Mounting



Accessory Parts



Note : 4kW Drive has on board noise filter

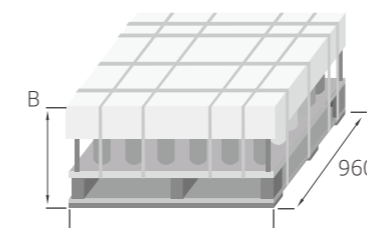
Packing & Container Stuffing Quantity

Items	1 Step pallet		2 Steps pallet		1 Container (20ft)				
	Packing quantity	Size	Packing quantity	Size	Packing quantity	Pallet quantity			
		B		B		Step 1	Step 2	Accessory	Total
APA / APB / APG	12	560	24	980 ↓	576	0	24	0	24
	16	560	32	980 ↓	640	0	20	0	20
AQA / AQ	12	560	24	980 ↑	552	0	24	0	24
	16	560	32	980 ↓	544	0	18	0	18
ABA / ABG	12	560	24	980 ↓	432	0	18	0	18
	16	560	32	980 ↓	448	0	14	0	18
SB	12	560	24	980 ↓	432	0	18	0	18
SQ / HQ	12	560	24	980 ↓	552	0	24	1	25
AR / SR	12	-	24	985 ↓	408	14	10	1	25
JB / JQ	9	-	18	985 ↓	315	35	-	1	36
AR / SR	12	-	24	985 ↑	408	14	10	1	25
JB / JQ	9	-	18	985 ↑	315	35	-	1	36

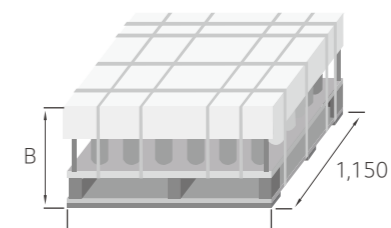
Note 1 : Only available 1 Step pallet for HSS.

Note 2 : Packing conditions are subjects to change without notice.

Packing quantity 12, 9



Packing quantity 16



Unit : mm