

ROTARY COMPRESSOR

COMPRESSOR TECHNOLOGY
FOR AIR-CONDITIONING &
HEATPUMP APPLICATIONS



GLOBAL NETWORK

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WHY LG COMPRESSOR?

LG Component Solutions Business Unit offers meaningful and unique solutions to meet modern sustainability standards with environmentally sound and energy-efficient technologies.

To continue to deliver the highest level of satisfaction to all our partners, we will continue with our technological advancements to supply only the best sustainable components and inverter total solutions optimized for residential and commercial environments.



TECHNOLOGY

LG compressors are a group of high-precision machinery and assembly technologies continuously designed to perform even under the most challenging environments. Built with today's leading core technology, inverter motor and drive for optimized products developed to work around the world's evolving needs.

MODEL VARIETY

With an extensive product portfolio, LG offers a selection of three air conditioning compressors: single, twin, and two stage rotary, to fully support various business needs and applications.

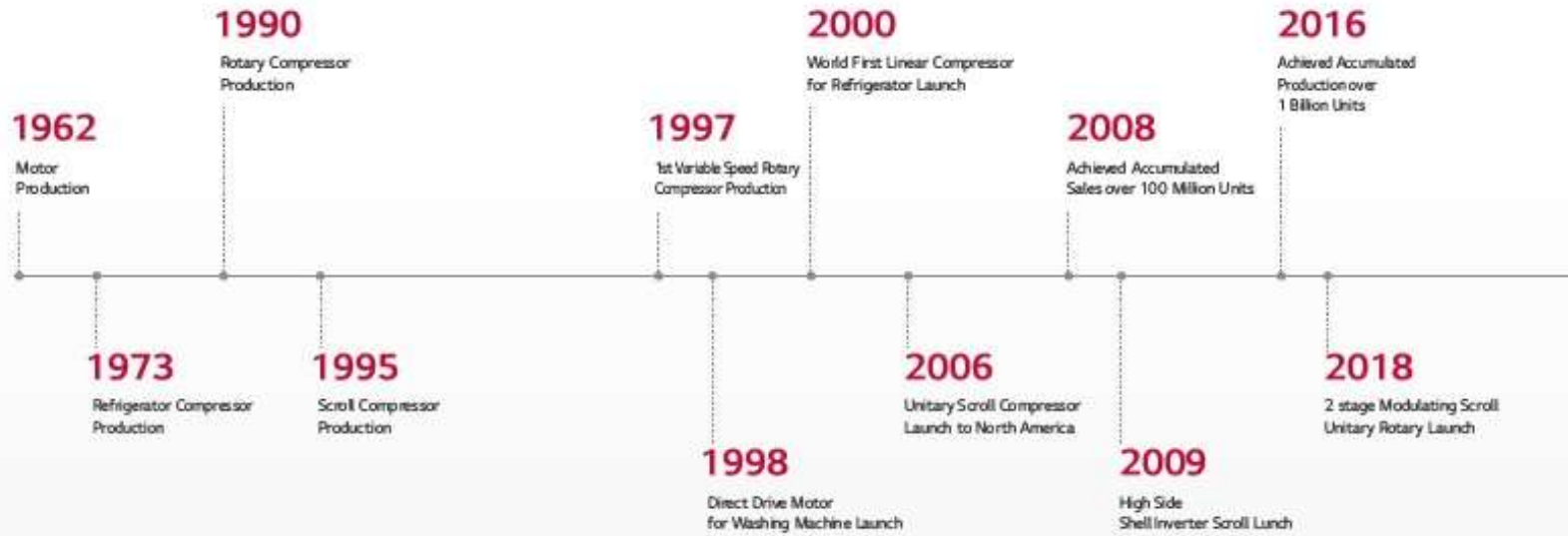
CUSTOMER SUPPORT

Enabling customers for optimal business performance, LG offers technical support to ensure our products are delivered with the differentiated level of quality verifiable through our highly qualified R&D process.

QUALITY

With worldwide recognition for high product quality and sustainability, LG ensures all products are delivered at full value with production quality and safety checks to ensure full customer satisfaction.

MILESTONES & GLOBAL SITE



○ SALES OFFICE 12 SITE

○ FACTORY 7 SITE

- Linear Korea, China (Taizhou)
- Redproccating Korea, China (Taizhou), India (Noida)
- Rotary Korea, China (Tianjin), Thailand (Rayong)
- Scroll Korea, China (Tianjin)
- Casting China (Qinhuangdao)





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Product Range

Variable Speed (Inverter)

Capacity [kW, R410A/R32]	1.3	2.2	2.8	3.5	4.5	5.3	6.3	7.0	8.3	9.0	10.3	14.0	15.0	16.0					
Displacement [cc/rev]	4.5	6.6	7.2	8.0	9.2	10.2	11.0	12.5	13.4	14.1	15.8	17.6	20.8	24.0	32.5	33.0	37.6	44.2	52.5
Refrigerant	R410A	*****																	
	R134a	*****												Dehumidifier, Heat Pump Dryer		AMP			
	R32	*****																	
Magnet	G-mk																		
	FM																		
Cylinder	1 Piston						2 Piston												

Fixed Speed

Frame	S (φ60mm)	A (φ70mm)	K (φ112mm)	J (φ121mm)	V (φ132mm)	P (φ139mm)													
Displacement [cc/rev]	4.0	4.8	8.0	12.5	15.1	22.2	25.0	28.0	36.2	40.7	52.5								
Capacity [kW]	R134a	1.3	1.5	2.2															
	R410A	1.3	2.3	4.5	5.4	6.9													
	R22	1.0	1.5	2.6	3.2	3.9	5.3	5.8	7.6	8.8	8.8								
	R290	1.5			1.8	2.0													
	R32	2.2			2.5	2.7	3.0	4.4	4.6	5.6	6.1	7.8	8.2						
Refrigerant	R134a	*****																	
	R410A	*****																	
	R22	*****												*****		*****			
	R290	*****			*****		*****			*****			*****						
R32	*****			*****		*****			*****			*****							
Cylinder	1 Piston						2 Piston						3 Piston						

Nomenclature

G K T 141 M A A

Refrigerant

D: R32 K: R290
E: R134a N: R407C
G: R410A Q: R22

Compressor size (mm)

S: φ90 J: φ122
A: φ101 V: φ132
K: φ112 P: φ139

Generation code

(A-Z)
T: Twin R: Horizontal

Capacity

Displacement
(ex: 141 = 14.1cc/rev)

Exterior specification
(A-Z)

Motor specification
(A-Z)

Motor code

Series	Phase (φ)	Power source (V)		Motor
		V	HZ	
C	1	115	60	Constant
G	1	220	60	?
H	1	220	50	?
J	1	200 / 220	50	?
K	1	208-230	60	?
P	1	220 / 240	50	?
Q	1	265	60	?
Y	3	330 / 420	50	?
U	3	390	60	?
D	BLDC Inverter		BLDC / Distributed	
M	BLDC Inverter		BLDC / Distributed	

Specification

Variable Speed R410A [1 of 2]

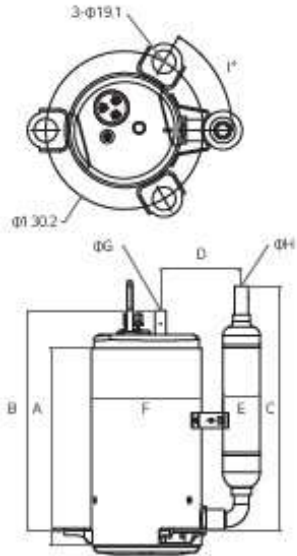
Refrigerant	Type	Series	Model	Magnet	Power	Cooling capacity		Input	EER	COP
						Btu/hr	Watts	Watts	Btu/Whr	W/W
R410A	1 Piston	GSG	GSG049MJ	NdFeB	DC280V	4,705	1,379	402	11.7	3.4
			GSG066MJ	NdFeB		6,900	2,022	590	11.7	3.4
			GSG075MJ	NdFeB		7,800	2,286	684	11.4	3.34
			GSG089MJ	NdFeB		9,900	2,901	875	11.3	3.3
			GSG089MK	NdFeB		9,900	2,901	890	11.3	3.3
			GSG089MC	NdFeB		9,900	2,901	1,024	9.67	2.83
			GSG102MK	NdFeB		10,950	3,209	1,015	10.8	3.2
			GSG102MJ	NdFeB		10,950	3,209	1,010	10.8	3.2
			GSG102MC	NdFeB		10,950	3,209	952	11.5	3.4
		GA	GA092MC	NdFeB	DC280V	9,900	2,958	893	11.1	3.3
			GA102MF	Ferrite		11,000	3,223	974	11.3	3.3
			GA102MK	NdFeB		10,900	3,194	950	11.5	3.4
			GA102MJ	NdFeB		10,800	3,165	947	11.4	3.3
			GA108MJ	NdFeB		11,400	3,341	991	11.5	3.4
			GA140MA	NdFeB		15,000	4,396	1,339	11.2	3.3

Note1 : Figures in the table are subject to change without prior notice for performance improvement.

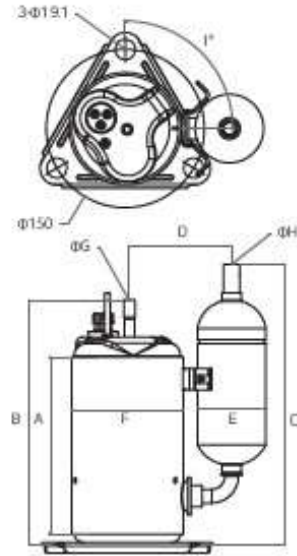
Note2 :	Test condition	Condenser temperature	Evaporator temperature	Suction temperature	Sub cool
	ASHRAE	54.4°C	7.2°C	18.3°C	8.3°C

Test condition (@ 60 Hz)	Range (rpm)	Dimension (mm)							
		A	B	C	D	E	F	G	H
ASHRAE	15-120	187.0	235.0	253.0	82.5	65.8	96.3	81	9.7
ASHRAE	15-120	187.0	235.0	253.0	82.5	65.8	96.3	81	9.7
ASHRAE	10-120	187.0	239.2	271.6	76.0	66.8	96.3	81	9.7
ASHRAE	10-120	206.4	257.0	276.8	76.0	66.8	96.3	81	12.8
ASHRAE	10-120	198.4	250.0	249.9	82.5	80.0	96.3	81	12.8
ASHRAE	10-120	206.4	260.0	285.0	76.0	66.8	96.3	81	12.8
ASHRAE	10-120	198.4	250.0	249.9	82.5	80.0	96.3	81	12.8
ASHRAE	10-120	206.4	258.0	249.9	82.5	80.0	96.3	81	12.8
ASHRAE	10-120		260.0	285.0	76.0	66.8	96.3	81	12.8
ASHRAE	10-120	168.0	232.6	247.1	99.6	75.0	108.2	81	12.8
ASHRAE	10-120	202.0	266.3	305.4	101.9	75.0	107.0	81	12.8
ASHRAE	10-120	212.0	274.9	303.4	99.6	75.0	108.2	81	12.8
ASHRAE	10-120		266.7	304.2	101.9	75.0	107.4	81	12.8
ASHRAE	10-120		253.0	253.5	93.9	80.0	107.4	81	12.8
ARI	10-120		262.0	260.0	95.0	80.0	107.4	81	12.8

• GSG



• GA



Specification

Variable Speed R410A [2 of 2]

Refrigerant	Type	Series	Model	Magnet	Power	Cooling capacity		Input		EER	COP	
						Btu/hr	Watts	Watts	Btu/Whr			
R410A	2 Pole	GST	GST066MA	NdFeB	DC280V	6,900	2,022	639	10.8	3.2		
			GST102MA	NdFeB		11,000	3,223	954	11.5	3.4		
			GAT	GA1134MA		NdFeB	DC380V	13,300	3,897	1,215	10.9	3.2
				GA1134MC		NdFeB		13,500	3,956	1,220	11.1	3.2
				GA1156MA		NdFeB		15,752	4,616	1,446	10.9	3.2
				GA1156MC		NdFeB		15,770	4,621	1,440	11.0	3.2
		GKT	GK1128MF	Ferrite	DC280V	13,600	3,985	1,236	11.0	3.2		
			GK1128MA	NdFeB		13,400	3,927	1,196	11.2	3.3		
			GK1141MA	NdFeB		14,600	4,278	1,300	11.2	3.3		
			GK1141MB	NdFeB		14,600	4,278	1,327	11.0	3.2		
			GK1176MA	NdFeB		18,800	5,509	1,649	11.4	3.3		
			GK1208MA	NdFeB		22,200	6,505	2,018	11.0	3.2		
		GJT	GK1240MA	NdFeB	DC380V	25,400	7,443	2,325	10.9	3.2		
			GJ1240MA	NdFeB		25,300	7,414	2,280	11.1	3.3		
			GJ1240MB	NdFeB		25,300	7,414	2,342	10.8	3.2		
			GJ1223MA	NdFeB		35,200	10,315	3,114	11.3	3.3		
			GPT1330MA	NdFeB		DC380V	35,200	10,315	3,114	11.3	3.3	
			GPT1442MA	NdFeB			47,500	13,919	4,241	11.2	3.3	
		GPT1442MB	NdFeB	DC520V	47,500	13,919	4,241	11.2	3.3			

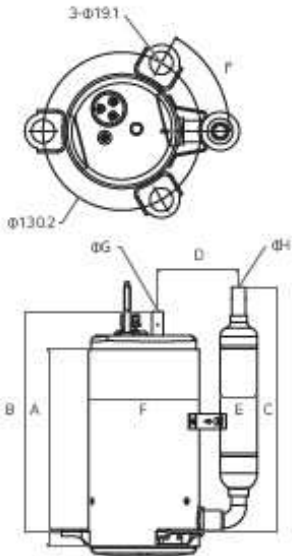
Note 1: Figures in the table are subject to change without prior notice for performance improvement.

Note 2:

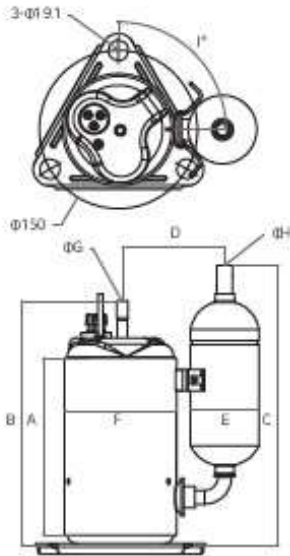
Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
ARI	54.4°C	7.2°C	35°C	8.3°C
ASHRAE	54.4°C	7.2°C	18.3°C	8.3°C

Test condition (@ 60 Hz)	Range (rpm)	Dimension (mm)							
		A	B	C	D	E	F	G	H
ASHRAE	10-130		2200	2223	97.5	65.8	96.3	81	9.7
ASHRAE	10-130	1940	2455	2821	87.5	65.8	96.3	81	9.7
ARI	10-130	2400	3036	3166	96.1	75.0	108.2	81	12.8
ARI	10-130	2400	2929	3059	99.6	75.0	108.2	81	12.8
ARI	10-130	2400	2929	3059	99.6	75.0	108.2	81	12.8
ARI	10-130	2400	2929	3059	99.6	75.0	108.2	81	12.8
ASHRAE	10-100	261.7	3220	3310	109.6	75.0	118.2	9.7	12.8
ARI	10-100	269.7	3300	331.3	109.6	75.0	118.2	9.7	12.8
ARI	10-100	264.7	335.7	349.5	118.7	90.0	118.2	9.7	12.8
ARI	10-100	249.7	3100	338.8	118.7	90.0	118.2	9.7	12.8
ARI	10-100	269.7	3200	328.8	118.7	90.0	118.2	9.7	12.8
ARI	10-110	238.5	299.5	346.5	109.6	75.0	118.2	9.7	12.8
ARI	10-110		3000	335.0	118.7	80.0	108.5	9.7	16.0
ARI	10-110	271.1	352.7	324.2	108.0	31.8	12.73	9.7	16.0
ARI	10-110	251.1	332.7	365.7	114.2	75.0	12.73	9.7	16.0
ARI	10-110	276.7	358.3	357.9	123.6	90.0	12.73	9.7	16.0
ARI	15-100	259.6	385.2	412.1	132.0	90.0	14.54	1.28	16.0
ARI	15-100	259.6	363.8	335.5	116.8	31.8	14.54	1.28	19.2
ARI	15-100	259.6	363.8	335.5	116.8	31.8	14.54	1.28	19.2

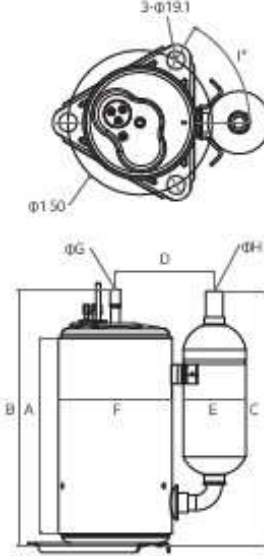
· GST



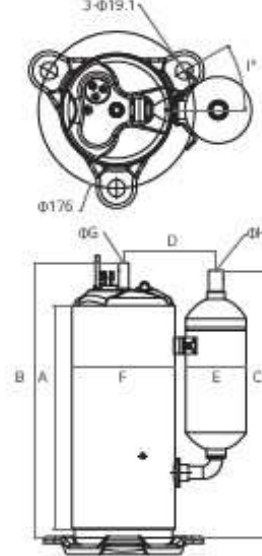
· GAT



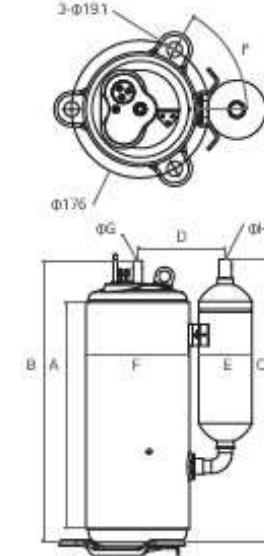
· GKT



· GJT



· GPT



Specification

Variable Speed R32 [1 of 2]

Refrigerant	Type	Series	Model	Magnet	Power	Cooling capacity		Input	EER	COP
						Btu/hr	Watts	Watts	Btu/W-hr	WW
R32	1 Pston	DSG	DSG042MK	NdFeB	DC280V	4,705	1,379	402	11.7	3.4
			DSG062MJ	NdFeB		7,200	2,110	632	11.4	3.3
			DSG072MJ	NdFeB		8,400	2,462	737	11.4	3.3
			DSG082MK	NdFeB		10,000	2,930	893	11.2	3.3
			DSG082MJ	NdFeB		10,000	2,930	880	11.4	3.3
			DSG082MC	NdFeB		10,000	2,930	875	11.4	3.3
			DSG102MK	NdFeB		11,470	3,361	1,024	11.2	3.3
			DSG102MJ	NdFeB		11,470	3,361	1,015	11.3	3.3
			DSG102MC	NdFeB		11,470	3,361	1,010	11.4	3.3
		DA	DA102MF	Ferrite		11,450	3,355	1,032	11.1	3.3
			DA102MJ	NdFeB		11,450	3,355	1,004	11.4	3.3
			DA100MJ	NdFeB		11,800	3,458	1,032	11.5	3.4
			DA140MA	NdFeB		16,170	4,740	1,445	11.2	3.3

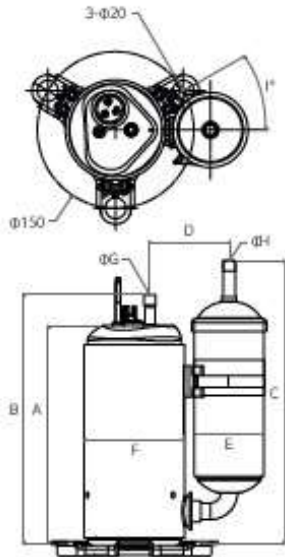
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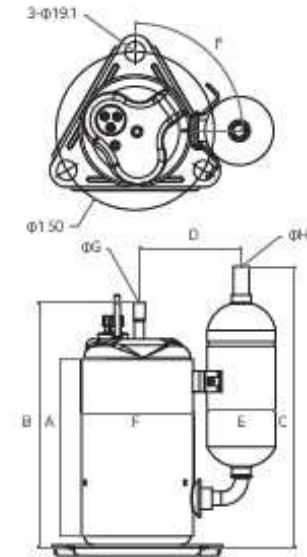
Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
AR	54.4°C	7.2°C	18.3°C	8.3°C
ASHRAE	54.4°C	7.2°C	35°C	8.3°C

Test condition @ 60Hz	Range (psi)	Dimension (mm)							
		A	B	C	D	E	F	G	H
ASHRAE	10-120	1870	2350	2530	825	658	963	81	97
ASHRAE	10-120	1870	2392	2716	760	668	963	81	97
ASHRAE	10-120	1870	2392	2716	760	668	963	81	97
ASHRAE	10-120	1984	2500	2499	825	800	963	81	128
ASHRAE	10-120	2064	2570	2768	760	668	963	81	128
ASHRAE	10-120	2064	2600	2850	760	668	963	81	128
ASHRAE	10-120	1984	2500	2499	825	800	963	81	128
ASHRAE	10-120	2064	2580	2499	825	800	963	81	128
ASHRAE	10-120		2600	2850	760	668	963	81	128
ASHRAE	10-120	2020	2667	3042	1019	750	1062	81	128
ASHRAE	10-120	2020	2667	3042	1019	750	1062	81	128
ASHRAE	10-120		2530	2535	939	800	1074	81	128
AR	10-120		2620	2600	950	800	1074	81	128

· DSG



· DA



Specification

Variable Speed R32 [2 of 2]

Refrigerant	Type	Series	Model	Magnet	Power	Cooling capacity		Input	EER	COP
						Btu/hr	Watts	Watts	Btu/Whr	WW
R32	2-Roton	DST	DST066MA	NdFeB	DC280V	7,200	2,110	666	108	3.2
			DST102MA	NdFeB		11,400	3,341	1,036	110	3.2
			DAI130MA	NdFeB		14,800	4,337	1,345	110	3.2
		DAT	DAI130MC	NdFeB	DC380V	14,450	4,234	1,320	109	3.2
			DAI150MA	NdFeB		17,400	5,100	1,580	110	3.2
			DAI150MC	NdFeB		17,300	5,070	1,585	110	3.2
		DKT	DKT141MB	NdFeB	DC280V	15,400	4,513	1,403	110	3.2
			DKT176MA	NdFeB		19,500	5,714	1,757	110	3.2
			DKT208MA	NdFeB	DC380V	23,100	6,769	2,120	109	3.2
		DJT	DKT240MA	NdFeB		26,900	7,883	2,480	108	3.2
			DJT240MA	NdFeB	DC380V	26,900	7,883	2,403	110	3.3
			DPT330MA	NdFeB	DC380V	37,300	10,931	3,356	111	3.3
		DPT	DPT442MA	NdFeB	DC520V	50,500	14,799	4,510	112	3.3

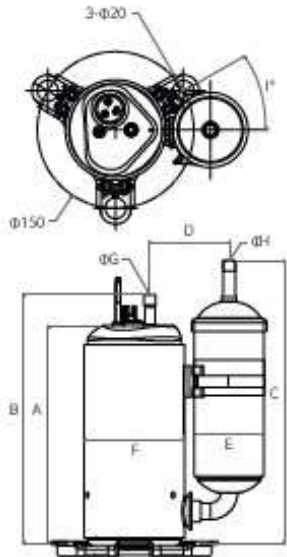
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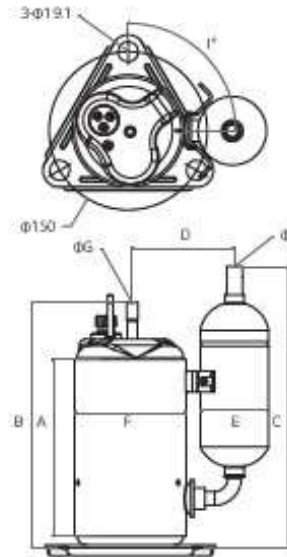
Test condition	Condenser temperature	Evaporation temperature	Saturation temperature	Sub cool
AR	54.4°C	7.2°C	18.3°C	8.3°C
ASHRAE	54.4°C	7.2°C	3.9°C	8.3°C

Test condition @ 60Hz	Range (rpm)	Dimension (mm)							
		A	B	C	D	E	F	G	H
ASHRAE	10-120		220.0	222.3	97.5	65.8	96.3	8.1	9.7
ASHRAE	10-130	194.0	245.5	282.1	87.5	65.8	96.3	8.1	9.7
AR	10-130		249.0	269.0	96.0	80.0	108.2	8.1	12.8
AR	10-130	240.0	293.2	306.3	99.6	75.0	108.2	8.1	12.8
AR	10-130	240.0	381.0	290.0	96.0	80.0	108.2	8.1	12.8
AR	10-130		292.9	306.3	99.6	75.0	108.2	8.1	12.8
AR	10-100	249.7	310.0	338.8	118.7	90.0	118.2	9.7	12.8
AR	10-110	269.7	320.3	337.9	118.7	90.0	118.2	9.7	12.8
AR	10-120	238.5	331.0	338.9	109.6	75.0	118.2	9.7	16.0
AR	10-110		300.0	335.0	118.7	80.0	108.5	9.7	16.0
AR	10-110	271.1	352.7	324.2	108.0	31.8	127.3	9.7	16.0
AR	10-110	259.6	363.8	433.0	131.5	90.0	145.4	12.8	16.0
AR	15-100	259.6	363.8	433.0	131.5	90.0	145.4	12.8	16.0

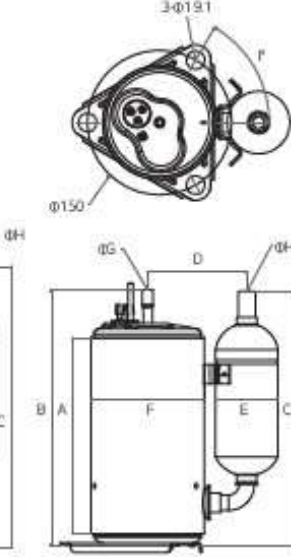
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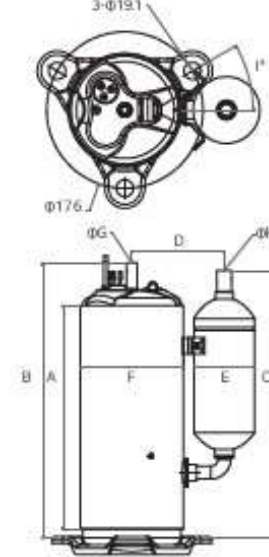
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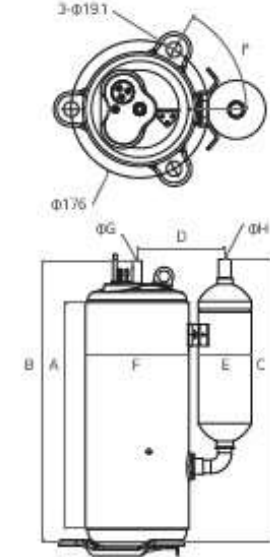
- DKT



- DJT



- DPT



Specification

Fixed Speed R410A [1 of 4]

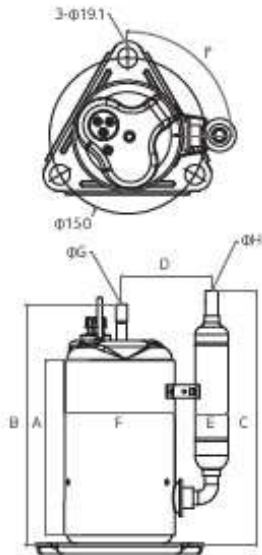
Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP
						Btu/hr	Watts	Watts	Btu/Whr	WW
R410A	1 Piston	50Hz	10, 220 / 240V	GAB	GAB040P	3,130	917	340	9.20	2.70
					GAB042P	3,410	999	355	9.60	2.81
					GAB046P	4,520	1,325	455	9.93	2.91
					GAB048P	3,985	1,168	403	9.90	2.90
					GAB072P	5,950	1,744	590	10.08	2.95
					GAB086P	6,900	2,022	690	10.00	2.93
				GKN	GKN090P	7,700	2,256	748	10.30	3.02
					GKN094P	8,050	2,359	805	10.00	2.93
					GKN102P	8,700	2,549	845	10.30	3.02
					GKN120P	9,700	2,842	970	10.00	2.93
					GKN127P	10,900	3,194	1,090	10.00	2.93
					GKN141P	11,350	3,326	1,146	9.90	2.90
				GJS	GJS151P	12,200	3,575	1,232	9.90	2.90
					GJS134P	10,120	2,966	1,150	8.80	2.58
					GJS208P	16,800	4,923	1,645	10.21	2.99
				GVH	GJS222P	18,800	5,509	1,825	10.30	3.02
					GVH240P	20,720	6,072	1,937	10.70	3.13
					GVH250P	21,389	6,269	2,018	10.60	3.11
					GVH265P	22,900	6,711	2,234	10.30	3.02
					GVH282P	24,430	7,160	2,305	10.60	3.11

Note 1: Figures in the table are subject to change without prior notice for performance improvement.

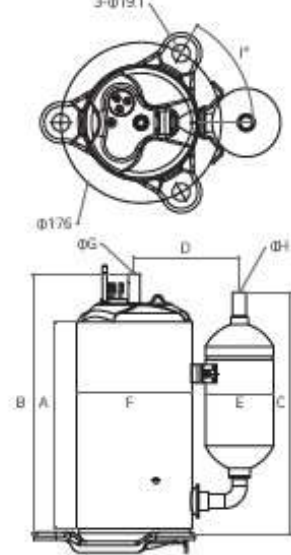
Test condition	Condenser temperature	Evaporator temperature	Suction temperature	Sub cool
ASHRAE	54.4°C	7.2°C	35°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	1820	2449	248.9	85.6	50.8	106.2	8.1	9.7
ASHRAE	1820	2449	248.9	85.6	50.8	106.2	8.1	9.7
ASHRAE	1820	2359	196.9	86.2	31.8	106.2	6.5	9.7
ASHRAE	1820	2449	248.9	85.6	50.8	106.2	8.1	9.7
ASHRAE	1980	2509	248.9	85.6	50.8	106.2	8.1	9.7
ASHRAE	2040	2743	243.6	93.0	50.8	118.2	8.1	9.7
ASHRAE	2090	2586	238.9	93.0	50.8	118.2	8.1	9.7
ASHRAE	2040	2723	262.6	109.0	75.0	118.2	8.1	12.8
ASHRAE	2140	2746	253.9	93.7	65.0	118.2	8.1	9.7
ASHRAE	2120	2723	253.6	93.0	50.8	118.2	8.1	9.7
ASHRAE	2120	2730	263.9	104.0	65.0	118.2	8.1	9.7
ASHRAE	2120	2723	253.6	103.0	65.0	118.2	8.1	12.8
ASHRAE	2170	2773	262.6	109.0	75.0	118.2	8.1	12.8
ASHRAE	1710	2130	190.5	113.3	75.0	127.3	8.1	9.7
ASHRAE	2370	2989	288.2	115.5	75.0	127.3	9.7	12.8
ASHRAE	2370	2972	320.0	113.0	75.0	127.3	9.7	12.8
ASHRAE	268.7	341.8	336.7	120.1	75.0	138.5	9.7	16.0
ASHRAE	268.7	341.8	336.7	120.1	75.0	138.5	9.7	16.0
ASHRAE	250.5	323.6	333.7	120.1	75.0	138.5	9.7	16.0
ASHRAE	293.7	366.8	340.2	120.1	90.0	138.5	9.7	16.0

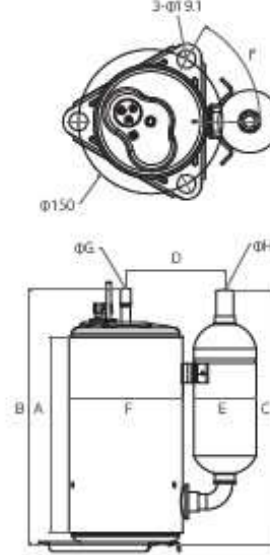
- GAB



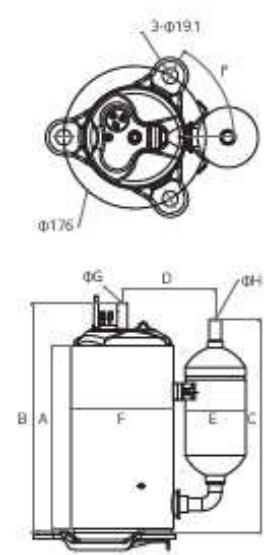
- GKN



- GJS



- GVH



Specification

Fixed Speed R410A [2 of 4]

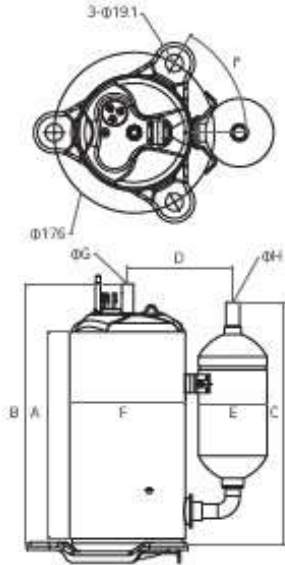
Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP
						Btu/hr	Watts			
R410A	1 Piston	50Hz	10, 220 / 240V	GVS	GVS26SP	22,650	6,638	2,175	10.41	3.05
					GVS29SP	24,950	7,312	2,495	10.00	2.93
					GVS32SP	27,450	8,045	2,718	10.10	2.96
					GAB045C	5,280	1,547	406	13.00	3.81
					GAB046C	4,600	1,348	455	10.11	2.96
					GAB050C	5,880	1,723	446	13.18	3.86
		60Hz	10, 115V	GAB	GAB068C	7,950	2,330	605	13.15	3.85
					GAB070C	7,050	2,066	696	10.13	2.97
					GAB072C	7,080	2,075	701	10.10	2.96
					GAB086C	8,470	2,482	841	10.07	2.95
					GKN083C	8,350	2,447	819	10.20	2.99
					GKN086C	8,600	2,520	843	10.20	2.99
		GKN	GKN090C	9,400	2,755	922	10.20	2.99		
			GKN102C	10,150	2,974	1,015	10.00	2.93		
			GKN106C	10,750	3,150	1,075	10.00	2.93		
			GKN110C	11,100	3,253	1,088	10.20	2.99		
			GKN127C	13,200	3,868	1,294	10.20	2.99		

Note 1: Figures in the table are subject to change without prior notice for performance improvement.

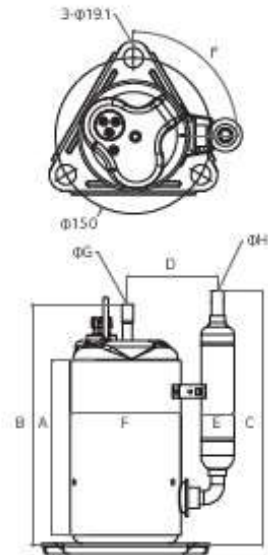
Note 2:	Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
	ASHRAE	54.4°C	7.2°C	35°C	8.3°C
	LW	49°C	10°C	18°C	5°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	276.7	351.7	335.8	120.1	75.0	138.5	9.7	160
ASHRAE	266.7	341.7	351.8	128.4	90.0	138.5	9.7	160
ASHRAE	276.7	349.8	352.7	128.5	90.0	138.5	9.7	160
LW	175.2	229.1	196.9	85.5	31.8	106.2	8.1	9.7
ASHRAE	182.0	235.9	196.9	86.2	31.8	106.2	6.5	9.7
LW	180.7	243.6	196.9	85.5	31.8	106.2	8.1	9.7
LW	192.2	246.1	238.9	85.5	31.8	106.2	8.1	9.7
ASHRAE	191.0	244.9	240.9	86.2	31.8	106.2	6.5	9.7
ASHRAE	191.0	244.9	228.9	85.6	50.8	106.2	8.1	9.7
ASHRAE	192.2	246.1	248.9	85.6	50.8	106.2	8.1	12.8
ASHRAE	212.0	263.3	253.6	104.0	65.0	118.2	8.1	12.8
ASHRAE	212.0	263.3	253.6	104.0	65.0	118.2	8.1	12.8
ASHRAE	212.0	260.3	251.6	93.7	50.8	118.2	8.1	9.7
ASHRAE	212.0	258.6	233.6	93.0	50.8	118.2	8.1	9.7
ASHRAE	227.8	260.3	251.6	93.7	50.8	118.2	8.1	9.7
ASHRAE	212.0	262.3	263.6	109.0	75.0	118.2	8.1	9.7
ASHRAE	212.0	263.3	253.6	93.7	50.8	118.2	8.1	12.8

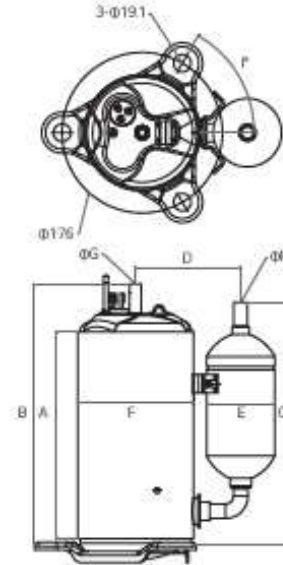
• GVS



• GAB



• GKN



Specification

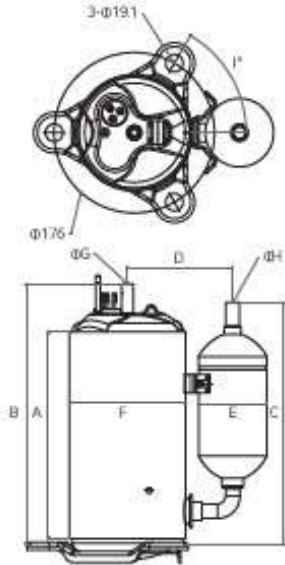
Fixed Speed R410A [3 of 4]

Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP	
						Btu/hr	Watts	Watts	Btu/Whr	WW	
R410A	1 Piston	60Hz	10, 208-230V	GKN	GKN083K	8,700	2,549	845	10.30	3.02	
					GKN090K	9,150	2,681	897	10.20	2.99	
					GKN102K	10,150	2,974	995	10.20	2.99	
					GKN110K	11,250	3,297	1,092	10.30	3.02	
					GKN120K	12,100	3,546	1,222	9.90	2.90	
					GKN134K	13,250	3,883	1,338	9.90	2.90	
					GKN141K	14,200	4,161	1,434	9.90	2.90	
					GKN151K	15,400	4,513	1,556	9.90	2.90	
					GKH	GKH151K	14,940	4,378	1,450	10.30	3.02
						GKH151K	15,400	4,513	1,495	10.30	3.02
				GSE	GSE160K	15,800	4,630	1,540	10.26	3.01	
					GSE176K	18,200	5,333	1,733	10.50	3.08	
					GKH198K	20,100	5,891	1,900	10.58	3.10	
				GVH	GVH240K	24,850	7,283	2,368	10.50	3.08	
					GVH250K	25,887	7,587	2,459	10.53	3.09	
					GVS208K	20,450	5,994	2,045	10.00	2.93	
				GVS	GVS198K	20,500	6,008	1,970	10.40	3.05	
					GVS215K	22,300	6,536	2,180	10.23	3.00	
					GVS240K	23,750	6,961	2,318	10.25	3.00	
					GVS265K	27,750	8,133	2,670	10.40	3.05	
GVS280K	28,700	8,411	2,870		10.00	2.93					

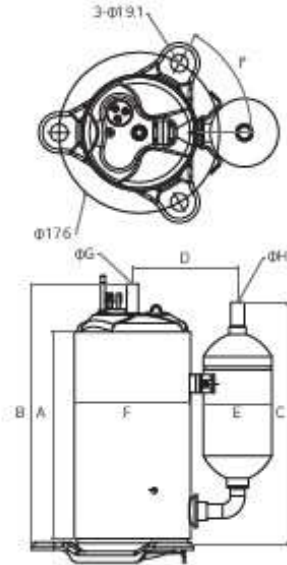
Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

Test condition	Condenser temperature	Evaporator temperature	Suction temperature	Sub cool
ASHRAE	54.4°C	7.2°C	3.9°C	8.3°C

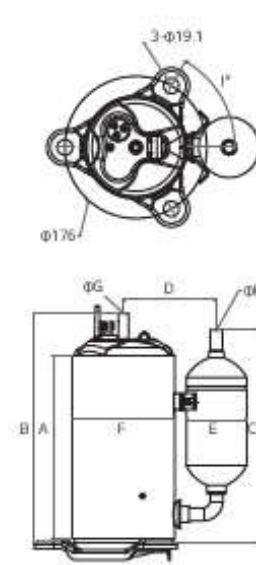
• GKN



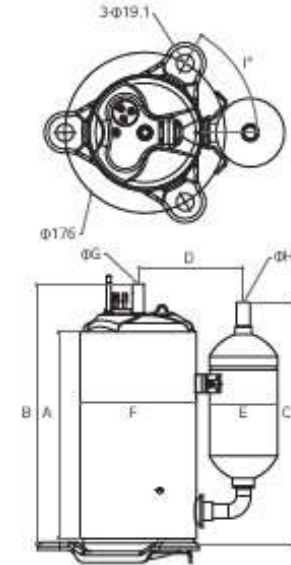
• GJS



• GVH



• GVS



Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	2090	2593	251.6	1030	650	118.2	9.7	128
ASHRAE	2070	2676	258.9	937	508	118.2	8.1	97
ASHRAE	2042	2553	253.6	1040	650	118.2	8.1	128
ASHRAE	2070	2603	251.6	1040	650	118.2	8.1	97
ASHRAE	2120	2633	262.6	1096	750	118.2	8.1	128
ASHRAE	2120	2633	262.6	1096	750	118.2	8.1	128
ASHRAE	2120	2710	270.4	1096	750	118.2	8.1	128
ASHRAE	2170	2783	262.6	1096	750	118.2	8.1	128
ASHRAE	2420	3016	334.2	1155	750	127.3	9.7	160
ASHRAE	2270	2848	264.4	1155	750	127.3	9.7	128
ASHRAE	2420	3031	308.2	1138	750	127.3	9.7	128
ASHRAE	2270	2848	264.8	1155	750	127.3	9.7	128
ASHRAE	2687	3418	316.7	1201	750	138.5	9.7	128
ASHRAE	2737	3468	316.7	1201	750	138.5	9.7	160
ASHRAE	2737	3468	316.7	1201	750	138.5	9.7	160
ASHRAE	2717	3448	336.7	1185	750	138.5	9.7	160
ASHRAE	2717	3448	303.7	1201	750	138.5	9.7	160
ASHRAE	2667	3417	315.8	1284	900	138.5	9.7	160
ASHRAE	2717	3448	336.7	1185	750	138.5	9.7	160
ASHRAE	2717	3467	351.8	1284	900	138.5	9.7	160
ASHRAE	2667	3398	336.7	1201	750	138.5	9.7	160

Specification

Fixed Speed R410A [4 of 4]

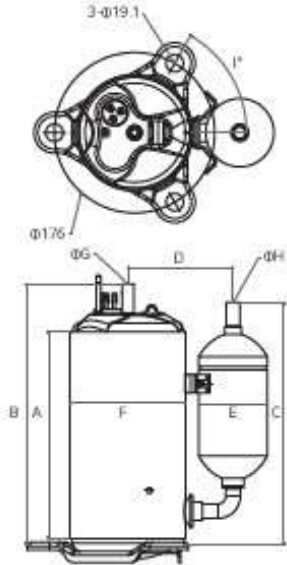
Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	ODP
						Btu/hr	Watts	Watts	Btu/Whr	WW
R410A	1 Rston	60Hz	10, 265V	GKN	GKN083Q	8,350	2,447	811	10.30	302
					GKN102Q	10,150	2,974	1,025	9.90	290
					GKN110Q	11,250	3,297	1,092	10.30	302
					GKN120Q	12,100	3,546	1,222	9.90	290
					GKN141Q	14,100	4,132	1,410	10.00	293
					GKN151Q	15,200	4,454	1,505	10.10	296
					GJS151Q	15,400	4,513	1,495	10.30	302
	2 Rston	50Hz	10, 230-240V 30, 380/420V	GPT	GJS176Q	17,700	5,187	1,735	10.20	299
					GPT330P	28,300	8,293	2,748	10.30	302
					GPT407P	34,800	10,198	3,551	9.80	287
		60Hz	10, 208-230V	GPT	GPT330Y	27,200	7,971	2,775	9.80	287
					GPT290K	29,300	8,586	3,117	9.40	275
					GPT330K	33,750	9,892	3,515	9.60	281
					GPT342K	35,770	10,482	3,614	9.90	290

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

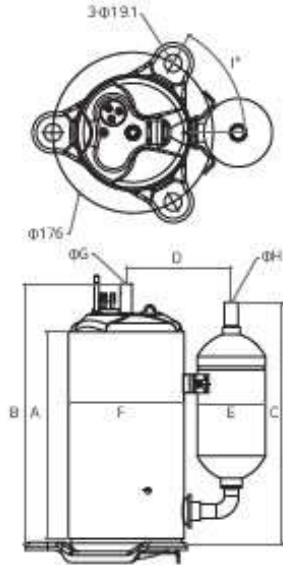
Note 2 :	Test condition	Condenser temperature	Evaporator temperature	Saturation temperature	Sub cool
	ASHRAE	54°C	7.2°C	35°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	2090	259.3	251.6	10.30	6.50	118.2	8.1	128
ASHRAE	2040	255.3	253.6	10.40	6.50	118.2	8.1	128
ASHRAE	2090	259.3	251.6	10.30	6.50	118.2	8.1	128
ASHRAE	2120	262.3	262.6	10.90	7.50	118.2	8.1	128
ASHRAE	2120	262.3	262.6	10.90	7.50	118.2	8.1	128
ASHRAE	2120	272.3	262.6	10.90	7.50	118.2	8.1	128
ASHRAE	2270	287.0	266.0	11.30	7.50	127.3	9.7	128
ASHRAE	2270	287.0	266.0	10.90	7.50	127.3	9.7	128
ASHRAE	2819	308.2	414.6	13.20	9.00	145.4	9.7	160
ASHRAE	309.3	387.0	414.0	13.20	9.00	145.4	9.7	160
ASHRAE	318.3	396.0	414.0	13.20	9.00	145.4	9.7	160
ASHRAE	270.9	376.2	414.1	13.20	9.00	145.4	9.7	160
ASHRAE	290.9	395.0	397.0	12.40	7.50	146.2	12.8	160
ASHRAE	281.9	389.0	415.4	13.20	9.00	146.2	9.7	160

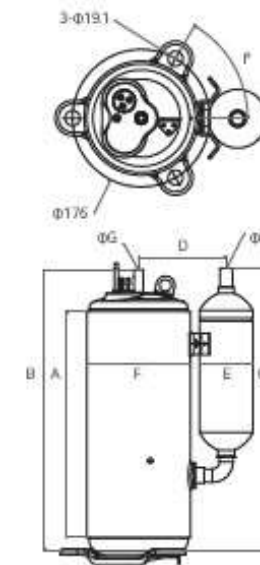
• GKN



• GJS



• GPT



Specification

Fixed Speed R32 [1 of 2]

Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	ODP				
						Btu/hr	Watts	Watts	Btu/Whr	W/W				
R32	1 Piston	50Hz	10, 220 / 240V	DKN	DKN090P	7,800	2,286	788	9.90	2.90				
					DKN094P	8,000	2,344	800	10.00	2.93				
					DKN092P	8,670	2,541	867	10.00	2.93				
					DKN100P	9,350	2,740	950	9.80	2.87				
					DKN118P	10,250	3,004	1,030	9.95	2.92				
					DKN120P	10,442	3,036	1,028	10.16	2.98				
				DIS	DKN127P	10,700	3,136	1,150	9.30	2.73				
					DKN41P	12,100	3,546	1,290	9.40	2.75				
					DIS165P	14,000	4,103	1,451	9.65	2.83				
				DVH	DIS189P	15,700	4,601	1,600	9.80	2.88				
					DIS230P	19,350	5,670	1,995	9.70	2.84				
					DVH176P	15,200	4,454	1,520	10.00	2.93				
				DVS	DVH225P	26,524	7,774	2,094	12.67	3.71				
					DVH240P	20,850	6,111	2,060	10.10	2.97				
									DVS295P	25,500	7,473	2,630	9.70	2.84
									DVS325P	28,000	8,205	2,995	9.35	2.74

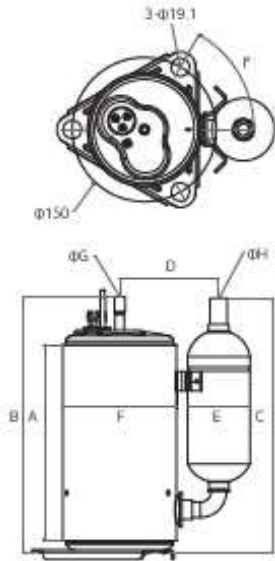
Note 1: Figures in the table are subject to change without prior notice for performance improvement.

Note 2:

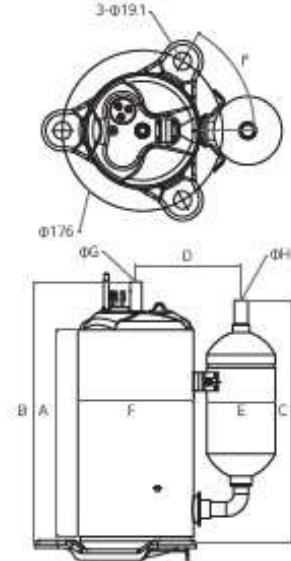
Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
ARI	54.4°C	7.2°C	18.3°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ARI	214.0	274.3	263.6	10.30	6.50	118.5	8.0	9.7
ARI	223.2	274.8	248.6	10.30	6.50	118.5	8.0	12.8
ARI	223.2	274.8	248.6	10.30	6.50	118.5	8.0	12.8
ARI	223.2	274.8	248.6	10.30	6.50	118.5	8.0	12.8
ARI	223.2	274.8	248.6	10.30	6.50	118.5	8.0	12.8
ARI	217.0	284.3	263.6	10.40	6.50	118.5	8.0	12.8
ARI	217.0	268.6	254.9	10.30	6.50	118.5	8.0	12.8
ARI	217.0	268.6	254.9	10.30	6.50	118.5	8.0	12.8
ARI	242.0	301.6	288.2	11.00	6.50	127.3	9.7	12.8
ARI	242.0	301.6	286.2	11.50	7.50	127.3	9.7	12.8
ARI	242.0	308.0	326.3	11.50	7.50	127.2	9.7	12.8
ARI	248.5	324.8	313.3	11.85	7.50	138.5	9.7	12.8
ARI	268.7	341.8	316.7	12.01	7.50	138.5	9.7	12.8
ARI	268.7	341.8	336.7	12.01	7.50	138.5	9.7	16.0
ARI	266.7	339.8	336.7	12.01	7.50	138.5	9.7	16.0
ARI	276.7	349.8	336.7	12.00	7.50	138.5	9.7	16.0

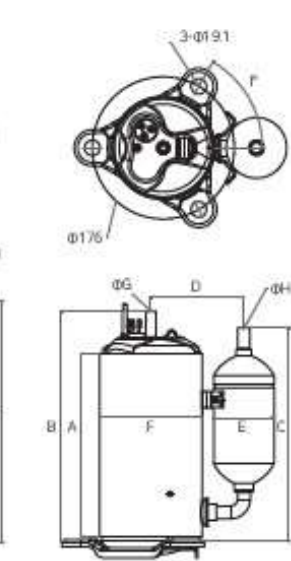
· DKN



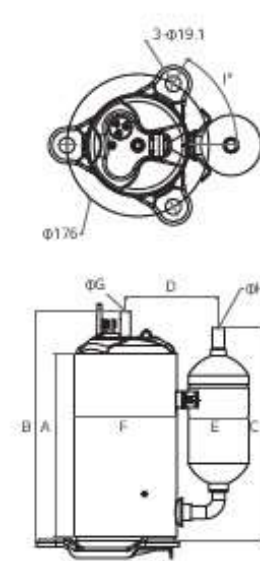
· DJS



· DVH



· DVS



Specification

Fixed Speed R32 [2 of 2]

Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP
						Btu/hr	Watts			
R32	Fixed	60Hz	10, 115V	DAB	DAB062C	7,439	2,190	588	12.65	3.71
					DAB065C	7,380	2,163	620	11.90	3.49
					DAB080C	9,238	2,708	764	12.09	3.54
				DKN	DKN102C	11,800	3,458	968	12.19	3.57
					DKN120C	13,990	4,097	1,187	11.78	3.45
					DAB080K	9,300	2,725	790	11.92	3.49
			10, 208-230V	DKN	DKN083K	8,700	2,549	888	9.80	2.87
					DKN094K	9,853	2,888	995	9.90	2.90
					DKN102K	12,000	3,516	990	12.24	3.59
				DJS	DKN118K	12,300	3,604	1,255	9.80	2.87
					DKN120K	12,508	3,666	1,263	9.90	2.90
					DJS160K	16,950	4,967	1,713	9.90	2.90
			DVH	DVH151K	17,920	5,252	1,400	12.80	3.75	
				DVH189K	19,900	5,832	1,955	10.20	2.98	
				DVH218K	27,050	7,928	2,041	13.25	3.88	
			DVH229K	27,900	8,177	2,098	13.30	3.90		

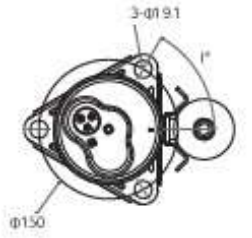
Note1: Figures in the table are subject to change without prior notice for performance improvement.

Note2:

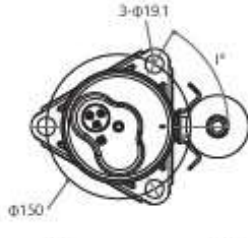
Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
ASHRAE	54.4°C	7.2°C	18.3°C	8.3°C
LW	49°C	10°C	18°C	9°C
AR	54.4°C	7.2°C	18.3°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
LW	1922	2461	238.9	85.5	31.8	106.2	8.0	9.7
ASHRAE	1922	2461	238.9	85.5	31.8	106.2	8.0	9.7
ASHRAE	1922	2461	208.9	85.6	50.8	106.2	8.0	12.8
LW	2120	2730	259.3	93.0	50.8	117.7	8.0	12.8
LW	2120	2636	248.6	93.0	50.8	117.7	8.0	12.8
LW	1922	2464	209.2	85.6	50.8	106.2	8.0	12.8
ARI	2132	2648	248.6	93.0	50.8	117.7	8.0	12.8
ARI	2132	2648	248.6	93.0	50.8	117.7	8.0	12.8
LW	2278	2807	258.9	93.0	50.8	117.7	8.0	12.8
ARI	2132	2648	248.6	93.0	50.8	117.7	8.0	12.8
ARI	2170	2843	263.6	104.0	65.0	118.5	8.0	12.8
ARI	2420	3031	308.2	113.8	75.0	127.3	9.7	12.8
LW	2607	3308	327.2	119.4	75.0	138.5	9.7	16.0
ARI	2607	3308	327.2	119.4	75.0	138.5	9.7	16.0
LW	2657	3358	332.2	119.4	75.0	138.5	9.7	16.0
LW	2657	3358	332.2	119.4	75.0	138.5	9.7	16.0

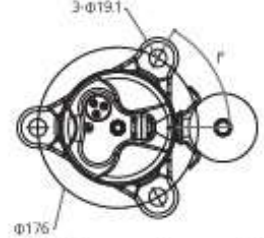
- DAB



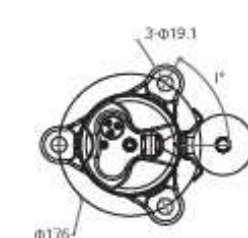
- DKN



- DJS



- DVH



Specification

Fixed Speed R22 [1 of 5]

Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP
						Btu/hr	Watts	Watts	Btu/Whr	WW
R22	1 Piston	50Hz	10, 200 / 220V	QKN	QKN125I	7,000	2,051	660	10.60	3.11
					QKN156I	9,000	2,637	833	10.80	3.16
					QKN141H	8,400	2,462	757	11.10	3.25
					QKN151H	9,020	2,643	813	11.10	3.25
					QKN159H	9,350	2,740	827	11.30	3.31
					QKN164H	9,550	2,799	860	11.10	3.25
			10, 220V	QVS	QVS300H	17,600	5,158	1,530	11.50	3.37
					QVS489P	5,150	1,509	495	10.40	3.05
					QVS102P	5,830	1,708	555	10.50	3.08
					QVS149P	6,360	1,864	611	10.41	3.05
					QVS259P	7,100	2,081	670	10.60	3.11
					QVS145P	8,250	2,418	750	11.00	3.22
			10, 220 / 240V	QKN	QKN156P	9,250	2,711	811	11.40	3.34
					QKN164P	9,550	2,799	860	11.10	3.25
					QVS196P	11,400	3,341	1,040	10.96	3.21
					QVS208P	11,850	3,473	1,040	11.39	3.34
					QVS222P	12,950	3,795	1,136	11.40	3.34
					QVS208P	11,850	3,473	1,040	11.39	3.34

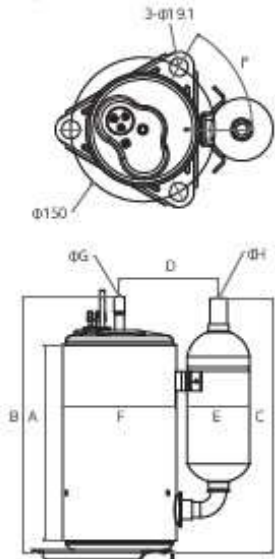
Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

Note 2 :

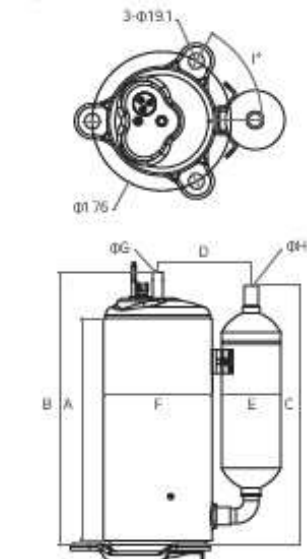
Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
ASHRAE	54.4°C	7.2°C	35°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	204.0	274.3	243.6	93.0	50.8	118.2	8.0	9.7
ASHRAE	204.0	275.0	255.9	93.7	50.8	118.2	8.0	12.8
ASHRAE	215.0	273.7	295.0	114.0	75.0	118.2	8.0	12.8
ASHRAE	215.0	276.7	295.0	114.0	75.0	118.2	8.0	12.8
ASHRAE	212.0	273.0	253.6	114.0	75.0	118.2	8.0	12.8
ASHRAE	271.7	344.8	336.7	120.1	75.0	132.1	9.7	16.0
ASHRAE	202.0	260.0	227.8	86.2	31.8	106.2	8.0	9.7
ASHRAE	202.0	264.9	264.0	89.0	50.8	106.2	6.5	9.7
ASHRAE	202.0	261.7	245.9	84.0	31.8	106.2	6.5	9.7
ASHRAE	198.8	261.7	236.0	89.0	50.8	106.2	8.0	9.7
ASHRAE	212.0	264.3	253.6	93.0	50.8 / 65	118.2	8.0	9.7 / 12.8
ASHRAE	207.0	273.2	239.5	93.7	50.8	118.2	6.5	9.7
ASHRAE	212.0	273.3	283.6	109.6	75.0	118.2	8.0	12.8
ASHRAE	237.0	297.8	287.4	114.0	75.0	127.3	9.7	12.8
ASHRAE	242.0	301.6	286.2	115.5	75.0	127.3	9.7	12.8
ASHRAE	242.0	302.6	257.2	108.0	65.0	127.3	9.7	12.8

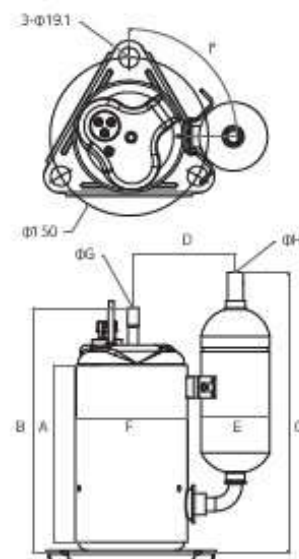
· QKN



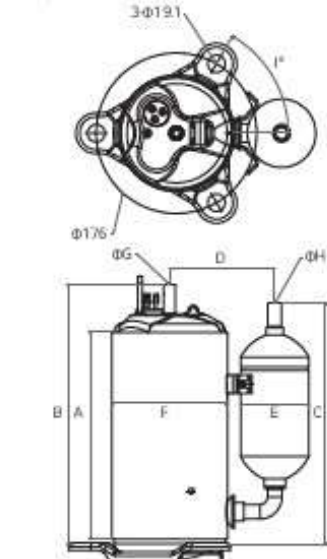
· QVS



· QA



· QJS



Specification

Fixed Speed R22 [2 of 5]

Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	OPF				
						Btu/hr	Watts	Watts	Btu/Whr	WW				
R22	1 Pctan	50Hz	1φ, 220 / 240V	QH	QH190P	11,100	3,253	977	11.36	3.33				
					QH215P	12,450	3,649	1,112	11.20	3.28				
					QVS286P	17,150	5,026	1,491	11.50	3.37				
					QVS295P	17,600	5,158	1,530	11.50	3.37				
					QVS308P	18,400	5,392	1,607	11.45	3.36				
					QVS325P	19,300	5,636	1,770	10.90	3.20				
				QVS	QVS362P	21,660	6,347	1,884	11.50	3.37				
					QVS348P	20,550	6,022	1,894	10.85	3.18				
					QP376P	22,500	6,593	2,030	11.08	3.25				
					QP390P	23,500	6,886	2,080	11.30	3.31				
					QP407P	24,400	7,150	2,180	11.19	3.28				
					QP425P	25,600	7,502	2,335	10.96	3.21				
				QP	QP442P	26,200	7,678	2,380	11.01	3.23				
					QP425Y	25,000	7,326	2,380	10.50	3.08				
						50Hz	3φ, 380 / 400V	QP						

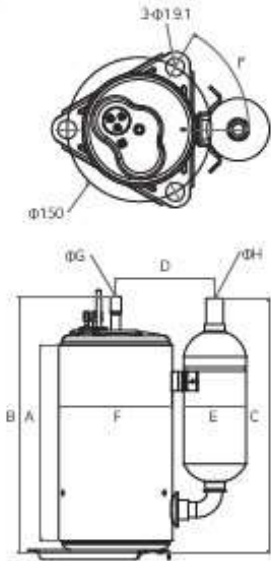
Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

Note 2 :

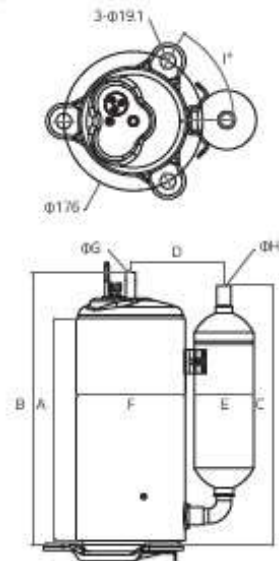
Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
ASHRAE	54.4°C	7.2°C	35°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	2420	3016	256.2	1080	6.50	127.3	9.7	128
ASHRAE	2370	2966	286.2	1150	7.50	127.3	9.7	128
ASHRAE	2515	3246	294.7	1284	9.00	132.1	9.7	160
ASHRAE	2515	3246	303.7	1201	7.50	132.1	9.7	160
ASHRAE	261.7	3348	303.7	1201	7.50	132.1	9.7	160
ASHRAE	261.7	3358	334.4	1201	7.50	132.1	9.7	160
ASHRAE	281.7	356.7	335.8	1201	7.50	132.1	9.7	160
ASHRAE	271.7	3448	336.7	1201	7.50	132.1	9.7	160
ASHRAE	2500	327.3	308.4	123.7	7.50	145.4	9.7	160
ASHRAE	2500	3250	326.3	123.7	7.50	145.4	9.7	160
ASHRAE	2500	327.3	308.4	123.7	7.50	145.4	9.7	160
ASHRAE	2500	341.5	357.4	132.8	9.00	145.4	9.7	160
ASHRAE	2500	327.3	341.4	123.7	7.50	145.4	9.7	160
ASHRAE	2750	3530	345.0	123.7	7.50	145.4	9.7	160

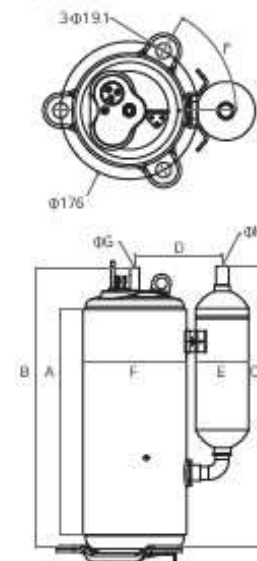
· QJH



· QVS



· QP



Specification

Fixed Speed R22 [3 of 5]

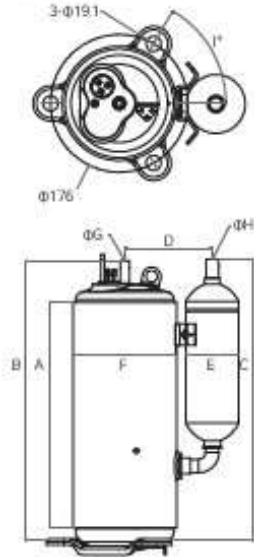
Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP
						Btu/hr	Watts	Watts	Btu/Whr	WW
R22	1 Pctm	60Hz	1φ, 115V	QA-E	QA104C	7,250	2,125	670	10.82	3.17
					QA110C	7,885	2,311	725	10.88	3.19
					QA114C	7,950	2,330	736	10.80	3.17
					QA125C	9,000	2,637	857	10.50	3.08
					QKN156C	11,150	3,267	1,014	11.00	3.22
					QKN164C	11,650	3,414	1,059	11.00	3.22
				QA-E	QA104G	7,150	2,095	662	10.80	3.17
					QA114G	7,890	2,312	730	10.81	3.17
					QA125G	8,400	1,875	615	10.41	3.05
					QA103K	7,150	2,095	662	10.80	3.17
					QA104K	7,150	2,095	662	10.80	3.17
					QA109K	7,350	2,154	662	11.10	3.25
			QA	QA110K	7,600	2,227	705	10.78	3.16	
				QA114K	7,890	2,312	730	10.81	3.17	
				QKN134K	9,350	2,740	820	11.40	3.34	
				QKN141K	9,800	2,872	867	11.30	3.31	
				QKN145K	10,100	2,960	894	11.30	3.31	
				QKN164K	11,500	3,370	1,027	11.20	3.28	

Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

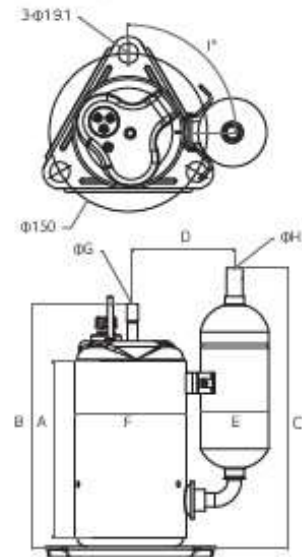
Test condition	Condenser temperature	Evaporator temperature	Satkin temperature	Sub cool
ASHRAE	54.4°C	7.2°C	3.9°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	2020	261.7	205.9	84.0	31.8	106.2	8.1	9.7
ASHRAE	204.7	262.6	205.9	86.2	41.3	106.2	6.5	9.7
ASHRAE	2020	261.7	205.9	84.0	31.8	106.2	8.1	9.7
ASHRAE	204.7	237.6	205.9	86.2	41.3	106.2	6.5	9.7
ASHRAE	1990	258.0	248.6	93.7	50.8	118.2	8.1	12.8
ASHRAE	2070	263.3	253.6	93.7	50.8	118.2	8.1	12.8
ASHRAE	251.5	324.6	294.7	128.4	90.0	132.1	9.7	16.0
ASHRAE	251.5	324.6	303.7	120.1	75.0	132.1	9.7	16.0
ASHRAE	1960	258.9	226.9	84.0	31.8	106.2	8.1	9.7
ASHRAE	2020	264.9	244.0	89.0	65.0	106.2	8.1	12.8
ASHRAE	1988	261.7	265.9	89.0	50.8	106.2	8.1	9.7
ASHRAE	204.7	267.6	265.9	85.6	50.8	106.2	8.1	9.7
ASHRAE	1988	261.7	205.9	84.0	41.3	106.2	8.1	9.7
ASHRAE	1988	261.7	248.0	89.0	50.8	106.2	8.1	9.7
ASHRAE	1990	260.3	248.6	93.7	50.8	118.2	6.5	9.7
ASHRAE	2040	284.3	272.6	109.0	75.0	118.2	8.1	12.8
ASHRAE	1990	258.3	248.6	93.7	50.8	118.2	8.1	12.8
ASHRAE	2070	268.3	248.6	93.7	50.8	118.2	8.1	12.8

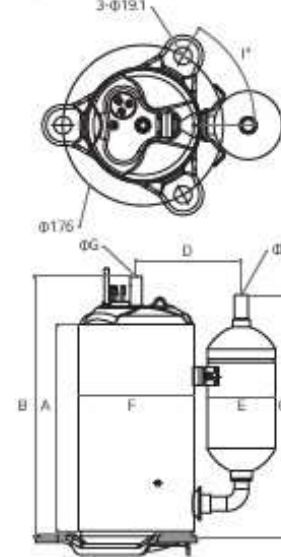
· QP



· QA-E / QA



· QKN



Specification

Fixed Speed R22 [4 of 5]

Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	OP	
						Btu/hr	Watts	Watts	Btu/Whr	W/W	
R22	Piston	60Hz	1φ, 208-230V	QJS	QJS196K	13,900	4,073	1,264	11.00	3.22	
					QJS208K	14,850	4,352	1,303	11.40	3.34	
					QJS250K	18,150	5,319	1,592	11.40	3.34	
				QVS	QVS325K	24,000	7,033	2,172	11.05	3.24	
					QVS348K	25,200	7,385	2,250	11.20	3.28	
					QP376K	27,700	8,117	2,541	10.90	3.19	
				QP	QP390K	29,200	8,557	2,646	11.04	3.23	
					QP407K	30,100	8,821	2,736	11.00	3.22	
					QP425K	31,900	9,348	2,929	10.89	3.19	
				1φ, 265V 3φ, 380V	QKN	QKN164Q	11,500	3,370	1,065	10.80	3.16
						QP407U	30,100	8,821	2,787	10.80	3.16

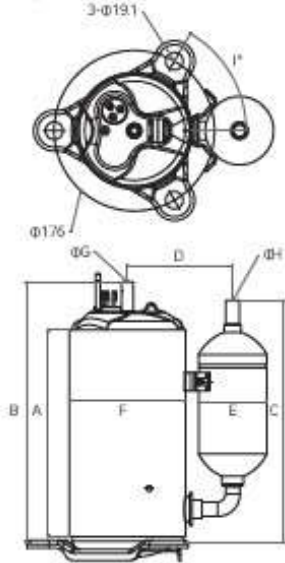
Note1 : Figures in the table are subject to change without prior notice for performance improvement.

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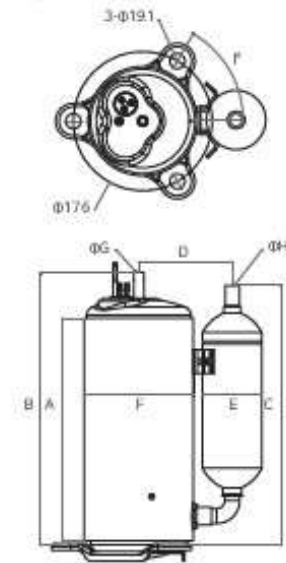
Test condition	Condenser temperature	Evaporator temperature	Suction temperature	Sub cool
ASHRAE	54.4°C	7.2°C	3.9°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	2120	272.6	266.2	1130	750	127.3	9.7	12.8
ASHRAE	2370	297.6	266.2	1130	750	127.3	9.7	12.8
ASHRAE	2565	329.6	315.8	1201	750	132.1	9.7	16.0
ASHRAE	2667	334.8	294.7	1201	750	132.1	9.7	16.0
ASHRAE	2565	322.5	315.8	1201	750	132.1	9.7	16.0
ASHRAE	2500	327.3	341.4	1237	750	145.4	9.7	16.0
ASHRAE	2390	316.3	341.4	1237	750	145.4	9.7	16.0
ASHRAE	2500	327.3	321.4	1237	750	145.4	9.7	16.0
ASHRAE	2500	361.0	345.0	1237	750	145.4	9.7	16.0
ASHRAE	2040	264.3	253.6	1030	650	118.2	8.0	12.8
ASHRAE	2750	275.0	353.0	1237	750	145.4	9.7	16.0

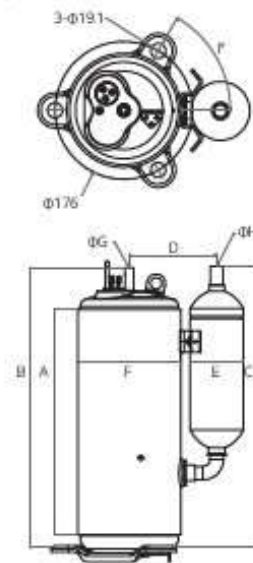
· QJS



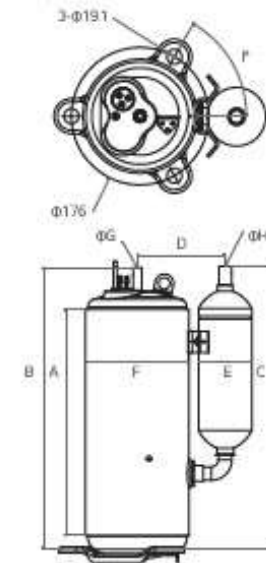
· QVS



· QP



· QKN



Specification

Fixed Speed R22 [5 of 5]

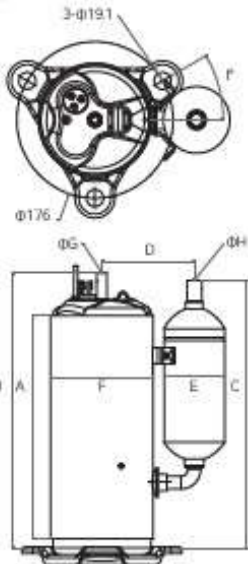
Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	QOP	
						Btu/hr	Watts	Watts	Btu/Whr	W/W	
R22	2 Piston	50Hz	1Ø, 220V	QJT	QJT310H	18,000	5,275	1,650	10.91	3.20	
					QJT442J	26,880	7,877	2,400	11.20	3.28	
				QPT	QPT325P	19,300	5,656	1,771	10.90	3.19	
					QPT336P	19,750	5,788	1,828	10.80	3.17	
					QPT348P	20,500	6,007	1,898	10.80	3.17	
					QPT442P	26,000	7,619	2,487	10.45	3.06	
			QPT	QPT464P	28,500	8,352	2,688	10.60	3.11		
				QPT488P	29,380	8,610	2,660	11.05	3.24		
				QPT525P	31,100	9,114	2,880	10.80	3.16		
				3Ø, 380 / 420V	QPT	QPT425Y	25,000	7,326	2,380	10.50	3.08
						QPT525Y	30,400	8,909	2,951	10.30	3.02
					QJT	QJT325K	23,700	6,945	2,194	10.80	3.17
		QJT336K	24,200			7,092	2,260	10.71	3.14		
		QJT348K	25,000			7,326	2,313	10.81	3.17		
		QJT362K	26,000			7,619	2,430	10.70	3.14		
		QJT407K	30,100	8,821		2,736	11.00	3.22			
		QJT442K	31,700	9,289		3,020	10.50	3.08			
		60Hz	1Ø, 208-230V	QPT	QPT464K	33,300	9,758	3,141	10.60	3.11	
					QPT488K	35,300	10,344	3,461	10.20	2.99	
					QPT525K	36,800	10,784	3,644	10.10	2.96	

Note1 : Figures in the table are subject to change without prior notice for performance improvement.

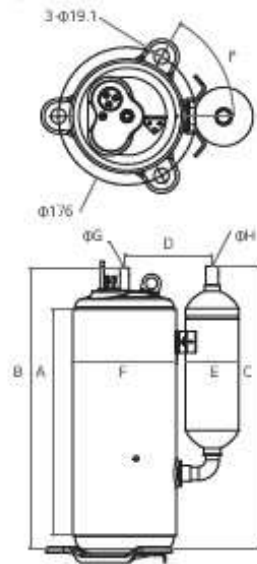
Note2 :	Test condition	Condenser temperature	Evaporator temperature	Suction temperature	Sub cool
	AR	54.4°C	7.2°C	18.3°C	8.3°C
	ASHRAE	54.4°C	7.2°C	35°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	276.7	337.0	357.1	114.0	75.0	127.3	9.70	128
ASHRAE	290.9	369.4	398.4	133.4	90.0	145.4	9.70	160
ASHRAE	276.7	332.2	345.0	114.0	75.0	127.3	9.7	128
ASHRAE	266.7	327.0	326.1	114.0	75.0	127.3	9.7	128
ASHRAE	276.7	341.0	341.6	125.5	90.0	127.3	9.7	160
ASHRAE	281.9	359.2	337.1	123.7	75.0	145.4	9.7	160
ASHRAE	281.9	359.2	368.1	133.4	90.0	145.4	9.7	160
ARI	281.9	385.2	411.9	133.4	90.0	145.4	9.7	160
ARI	281.9	396.6	413.5	133.4	90.0	145.4	9.7	160
ASHRAE	307.3	386.0	415.0	132.3	90.0	145.4	9.7	160
ASHRAE	307.3	386.0	415.0	132.3	90.0	145.4	9.7	160
ASHRAE	276.7	342.0	332.0	114.0	75.0	127.3	9.7	128
ASHRAE	266.7	329.0	378.9	114.0	75.0	127.3	9.7	128
ASHRAE	276.7	341.0	331.6	114.0	75.0	127.3	9.7	160
ASHRAE	276.7	341.0	331.6	114.0	75.0	127.3	9.7	160
ASHRAE	309.3	386.6	413.5	133.4	90.0	145.4	9.7	160
ASHRAE	290.9	367.1	326.5	133.4	90.0	145.4	9.7	160
ASHRAE	281.9	388.2	434.6	132.0	90.0	145.4	9.7	160
ASHRAE	318.3	395.6	397.5	123.7	75.0	145.4	12.8	160
ASHRAE	318.3	397.2	414.4	132.0	90.0	145.4	9.7	160

· QJT



· QPT



Specification

Special Application for Tropical

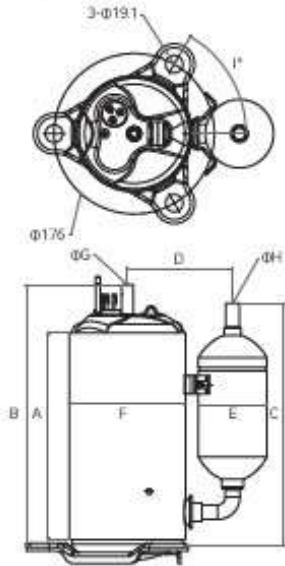
Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP	
						Btu/hr	Watts				
R410A	Piston	50Hz	1φ 220 / 240V	GS	GS22ZP	18,800	5,509	1,825	10.30	3.02	
					GVH	GVH180P	15,400	4,513	1,466	10.50	3.08
						GVH198P	16,940	4,964	1,629	10.40	3.05
				GVH208P		17,400	5,099	1,692	10.28	3.01	
				GVS	GVH250P	21,400	6,271	2,018	10.60	3.11	
					GVH282P	24,150	7,077	2,320	10.41	3.05	
					GVS265P	22,650	6,638	2,175	10.41	3.05	
					GVS290P	24,800	7,267	2,432	10.20	2.99	
					GVS295P	24,950	7,312	2,495	10.00	2.93	
					GS	GS160K	15,800	4,630	1,540	10.26	3.01
				GS176K		18,200	5,333	1,733	10.50	3.08	
				GVH		GVH179K	17,800	5,216	1,680	10.60	3.10
	GVH198K	20,100	5,891			1,900	10.58	3.10			
	GVH219K	22,000	6,447			2,077	10.59	3.10			
	GVS	GVH240K	24,850	7,283		2,368	10.50	3.08			
		GVS198K	20,500	6,008	1,970	10.40	3.05				
		GVS215K	22,300	6,536	2,180	10.23	3.00				
		GVS265K	27,750	8,133	2,670	10.40	3.05				

Note1: Figures in the table are subject to change without prior notice for performance improvement.

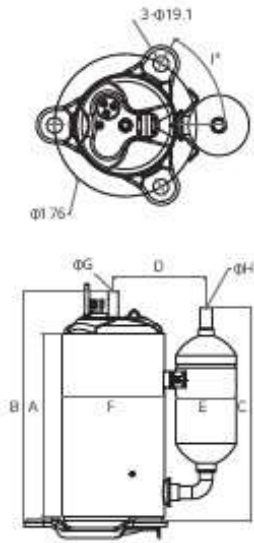
Note2:	Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
	ASHRAE	54.4°C	7.2°C	35°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	237.0	297.2	320.0	113.0	75.0	127.3	9.7	128
ASHRAE	268.7	341.8	316.7	120.1	75.0	138.5	9.7	128
ASHRAE	268.7	341.8	316.7	120.1	75.0	138.5	9.7	128
ASHRAE	268.7	341.8	316.7	120.1	75.0	138.5	9.7	128
ASHRAE	273.7	346.8	316.7	120.1	75.0	138.5	9.7	160
ASHRAE	273.7	346.8	316.7	120.1	75.0	138.5	9.7	160
ASHRAE	276.7	351.7	335.8	120.1	75.0	138.5	9.7	160
ASHRAE	276.7	351.7	335.8	120.1	75.0	138.5	9.7	160
ASHRAE	266.7	341.7	351.8	128.4	90.0	138.5	9.7	160
ASHRAE	242.0	303.1	308.2	113.8	75.0	127.3	9.7	128
ASHRAE	227.0	284.8	264.8	115.5	75.0	127.3	9.7	128
ASHRAE	248.5	320.8	316.7	128.4	90.0	138.5	9.7	160
ASHRAE	268.7	341.8	316.7	120.1	75.0	138.5	9.7	128
ASHRAE	268.7	341.8	294.7	128.4	90.0	138.5	9.7	160
ASHRAE	273.7	346.8	316.7	120.1	75.0	138.5	9.7	160
ASHRAE	271.7	344.8	303.7	120.1	75.0	138.5	9.7	160
ASHRAE	266.7	341.7	315.8	128.4	90.0	138.5	9.7	160
ASHRAE	271.7	346.7	351.8	128.4	90.0	138.5	9.7	160

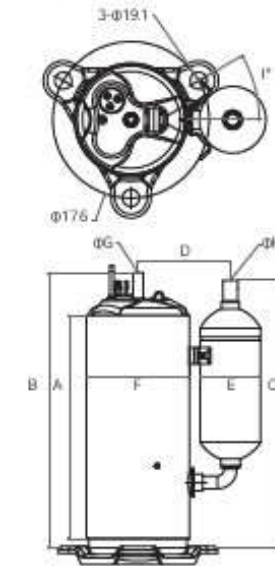
· GJS



· GVH / GVS



· GJT



Specification

Special Application for Tropical

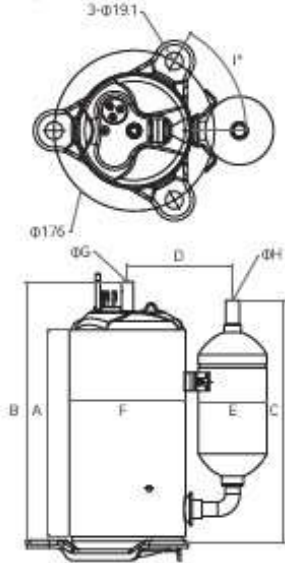
Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP	
						Btu/hr	Watts				
R22	1 Piston	50Hz	1 ϕ , 220 / 240V	QJS	QJS222P	12,950	3,795	1,136	11.40	3.34	
					QJ407P	24,400	7,150	2,180	11.19	3.28	
					QJ425P	25,600	7,502	2,335	10.96	3.21	
				QP	QJ442P	26,200	7,678	2,380	11.01	3.23	
					QVS325P	19,300	5,656	1,770	10.90	3.20	
					QP	QJ425Y	25,000	7,326	2,380	10.50	3.08
					QVS250K	18,150	5,319	1,592	11.40	3.34	
	60Hz	1 ϕ , 208-230V	QVS	QVS325K	24,000	7,033	2,172	11.05	3.24		
				QVS348K	25,200	7,385	2,250	11.20	3.28		
				QP	QJ390K	29,200	8,557	2,646	11.04	3.23	
	2 Piston	50Hz	1 ϕ , 220-240V	QJT	QJT325P	19,300	5,656	1,771	10.90	3.19	
					QJT348P	20,500	6,007	1,898	10.80	3.17	
					QPT	QPT407K	30,100	8,821	2,736	11.00	3.22
		60Hz	1 ϕ , 208-230V	QPT	QPT407K	30,100	8,821	2,736	11.00	3.22	

Note1: Figures in the table are subject to change without prior notice for performance improvement.

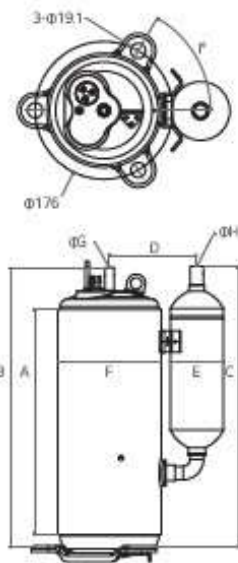
Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
ASHRAE	54.4°C	7.2°C	39°C	8.3°C

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	2420	3026	257.2	1080	650	127.3	9.7	128
ASHRAE	2500	3273	308.4	1237	750	145.4	9.7	160
ASHRAE	2500	3415	357.4	1328	900	145.4	9.7	160
ASHRAE	2500	3273	341.4	1237	750	145.4	9.7	160
ASHRAE	2617	3358	334.4	1201	750	132.1	9.7	160
ASHRAE	2750	3530	345.0	1237	750	145.4	9.7	160
ASHRAE	2565	3296	315.8	1201	750	132.1	9.7	160
ASHRAE	2667	3348	294.7	1201	750	132.1	9.7	160
ASHRAE	2565	3225	315.8	1201	750	132.1	9.7	160
ASHRAE	2390	3163	341.4	1237	750	145.4	9.7	160
ASHRAE	2767	3322	345.0	1140	750	127.3	9.7	128
ASHRAE	2767	3410	341.6	1255	900	127.3	9.7	160
ASHRAE	3093	3966	413.5	1334	900	145.4	9.7	160

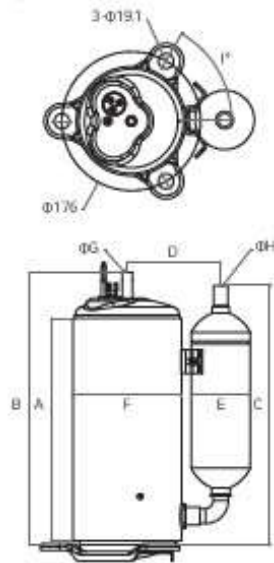
· QJS



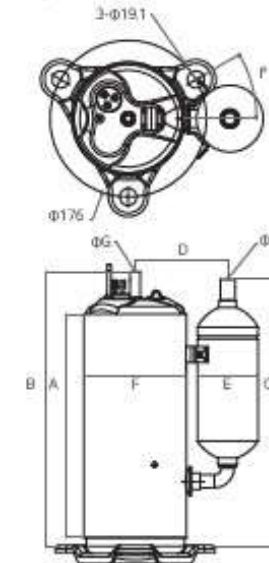
· QP



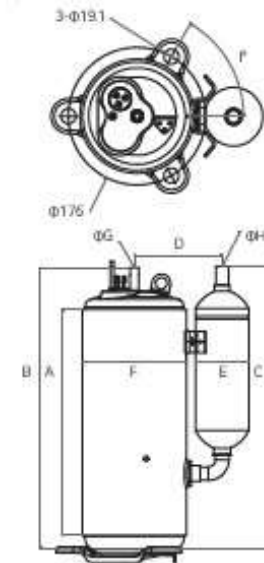
· QVS



· QJT



· QPT



Specification

Special Application for Heat Pump Inverter Dryer

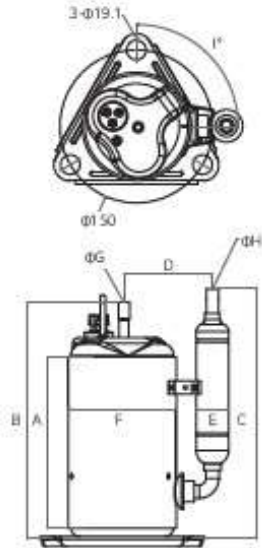
Refrigerant	Type	Series	Model	Magnet	Power	Cooling capacity		Input	ESR	COP	Test condition @ 60Hz
						Btu/hr	Watts				
R134a	1 Piston	EA	EA090MA	Nd-Fe	DC280V	3,990	1,169	325	123	3.6	A3-RAE
		EAR	EAR072MA	Nd-Fe		3,700	1,084	300	123	3.6	A3-RAE
		EST	EST092MA	Nd-Fe		4,600	1,348	380	121	3.5	A3-RAE
	2 Piston	EST	EST092MB	Nd-Fe		4,550	1,333	376	121	3.5	A3-RAE
		EST	EST102MA	Nd-Fe		5,100	1,495	412	124	3.6	A3-RAE
		PST	PST066MA	Nd-Fe		4,100	1,201	359	114	3.3	A3-RAE
R290	2 Piston	PST	PST092MA	Nd-Fe	5,600	1,641	465	120	3.5	A3-RAE	
		PST	PST102MA	Nd-Fe	6,200	1,817	515	120	3.5	A3-RAE	

Note1 : Figures in the table are subject to change without prior notice for performance improvement.

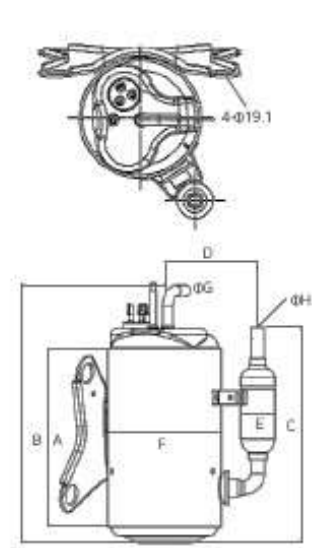
Note2 :	Test condition	Condenser temperature	Evaporation temperature	Suction temperature	Sub cool
	Dryer condition	71°C	23°C	35°C	24.9°C

Range (psi)	Dimension (mm)							
	A	B	C	D	E	F	G	H
20-90	158.0	223.0	216.2	86.0	31.8	107.4	8.0	9.7
20-90	165.0	238.7	200.0	86.0	31.8	106.2	6.5	9.7
20-90	149.0	198.6	191.3	66.7	31.8	96.3	8.0	9.7
20-100	169.0	220.6	225.3	66.7	50.8	96.3	8.0	9.7
20-130	169.0	220.6	225.3	66.7	50.8	96.3	8.0	9.7
20-130	169.0	220.6	225.3	66.7	50.8	96.3	8.0	9.7
20-130	169.0	220.6	225.3	66.7	50.8	96.3	8.0	9.7

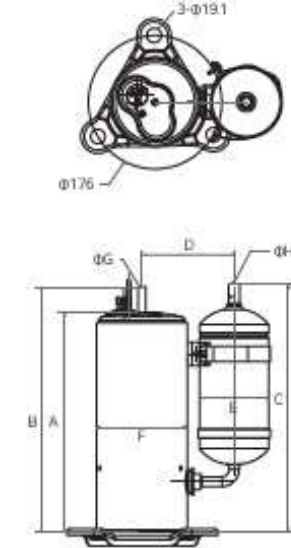
• EA



• EAR



• EST / PST



Specification

Special Application for Heat Pump Dryer

Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP
						Btu/hr	Watts			
R134a	1 Piston	50Hz	10, 220 / 240V	EAB	EAB078PM	5,325	1,560	457	11.7	3.4
					EAB078PA	5,210	1,527	420	12.4	3.6
				EA	EAO89PAB	6,000	1,758	480	12.5	3.7
					EAO92PA	6,220	1,823	512	12.1	3.6
R290	1 Piston	50Hz	10, 220 / 240V	PAB	PAB065PA	3,350	982	345	9.7	2.8
					PAB078PA	4,030	1,181	391	10.3	3.0
					PAB085PA	4,440	1,301	435	10.2	3.0
			PSG	PSG065PA	3,290	964	346	9.5	2.8	
				PSG075PA	3,740	1,096	374	10.0	2.9	
				PSG085PA	4,290	1,257	429	10.0	2.9	

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
Dryer condition	178.7	235.3	182.6	85.0	31.8	106.2	8.0	9.7
Dryer condition	168.7	225.3	179.6	85.0	31.8	106.2	8.0	9.7
Dryer condition	165.8	229.7	199.9	85.0	31.8	106.2	8.0	9.7
Dryer condition	193.0	248.6	196.6	88.0	31.8	106.2	8.0	9.7
ASHRAE	169.2	219.9	176.7	85.0	31.8	106.2	8.0	9.7
ASHRAE	184.2	234.9	176.7	85.0	31.8	106.2	8.0	9.7
ASHRAE	184.2	234.9	176.7	85.0	31.8	106.2	8.0	9.7
ASHRAE	-	228.3	176.1	67.0	31.8	96.3	8.0	9.7
ASHRAE	-	232.3	176.1	67.0	31.8	96.3	8.0	9.7
ASHRAE	-	235.7	199.6	67.0	31.8	96.3	8.0	9.7

Special Application for Heat Pump Water Heater

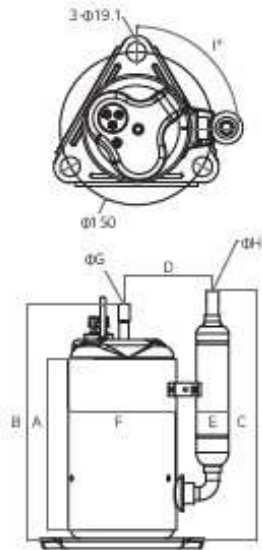
Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP
						Btu/hr	Watts			
R134a	1 Piston	60Hz	10, 220 / 240V	EAB	EAB085KA	4,190	1,228	360	11.64	3.41
					EAB085KB	4,190	1,228	360	11.64	3.41

Test condition	Dimension (mm)							
	A	B	C	D	E	F	G	H
ASHRAE	202.0	264.2	224.2	98.0	65.0	106.2	8.0	12.8
ASHRAE	202.0	254.2	224.2	98.0	65.0	106.2	8.5	9.7

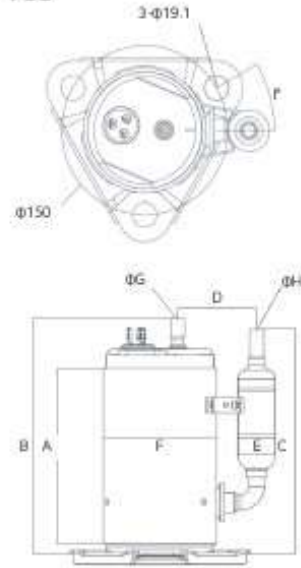
Note1: Figures in the table are subject to change without prior notice for performance improvement.

Note2:	Test condition	Condenser temperature	Evaporator temperature	Suction temperature	Sub cool
	ASHRAE	54.4°C	7.2°C	35°C	8.3°C

• EAB / EA / PAB



• PSG



Specification

Special Application for Unitary

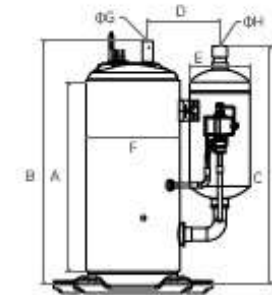
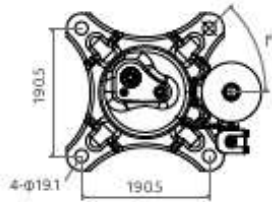
Refrigerant	Type	Frequency	Voltage	Series	Model	Cooling capacity		Input	EER	COP
						Btu/hr	Watts	Watts	Btu/Whr	W/W
R410A	1 Piston	60Hz	1Ø,230V	GVA	GVA153KA	15,150	4,440	1,546	9.8	2.9
						21,400	6,271	1,028	20.8	6.1
					GVA156KA	15,200	4,454	1,551	9.8	2.9
						21,500	6,300	1,034	20.8	6.1
					GVA198KA	19,700	5,773	1,950	10.1	3.0
						27,650	8,103	1,298	21.3	6.2
GVA202KA	20,000	5,861	2,000	10.0	2.9					
	28,100	8,234	1,319	21.3	6.2					
	23,320	6,834	2,332	10.0	2.9					
GVA236KA	33,370	9,779	1,559	21.4	6.3					

Refrigerant	Type	Series	Model	Magnet	Power	Cooling capacity		Input	EER	COP
						Btu/hr	Watts	Watts	Btu/Whr	W/W
R410A	2 Piston	GJT	GJT240MC	NdFeB	DC380V	25,400	7,443	2,327	10.9	3.2
						37,120	10,878	2,350	15.8	4.6
						19,350	5,670	843	23.0	6.7
		GPT	GPT442MA	NdFeB		47,000	13,773	4,360	10.8	3.2
						63,350	18,564	4,060	15.6	4.6
						35,800	10,491	1,555	23.0	6.7

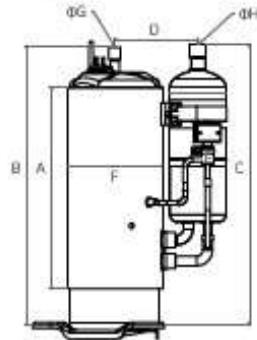
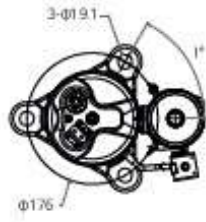
Note 1 : Figures in the table are subject to change without prior notice for performance improvement.

Note 2 :	Test condition	Condenser temperature	Evaporator temperature	Suction temperature	Sub cool
	AR	54.4°C	7.2°C	18.3°C	8.3°C

· GVA



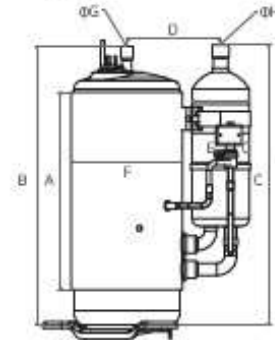
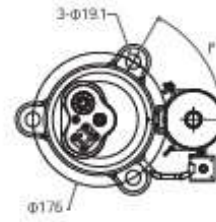
· GJT



Test condition	Dimension (mm)								
	A	B	C	D	E	F	G	H	I
AR	2770	3525	350.1	106.8	900	139.3	128	192	450
DOE-B									
AR	2720	347.5	350.1	106.8	900	139.3	128	192	450
DOE-B									
AR	2770	3525	350.1	106.8	900	139.3	128	192	450
DOE-B									
AR	2770	3525	350.1	106.8	900	139.3	128	192	450
DOE-B									
AR	2820	357.5	350.1	106.8	900	138.5	128	192	450
DOE-B									

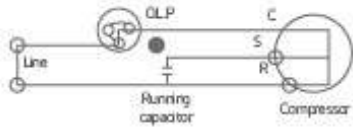
Test Condition @ 60Hz	Range (psi)	Dimension (mm)								
		A	B	C	D	E	F	G	H	I
AR @60Hz	10-110	2700	371.6	375.0	1136	75.0	127.3	128	191	60
DOE-A @70Hz										
DOE-B @35Hz										
AR @60Hz	15-100	2596	365.3	367.3	1230	75.0	146.2	128	191	60
DOE-A @63Hz										
DOE-B @35Hz										

· GPT

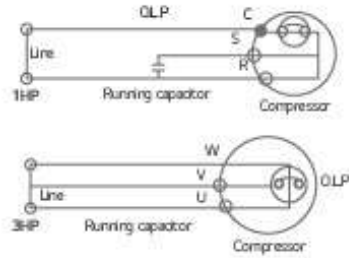


Wiring Diagram

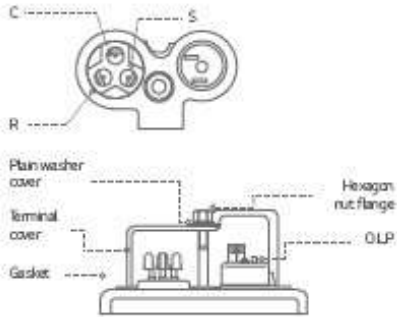
For External O.L.P



For Internal O.L.P

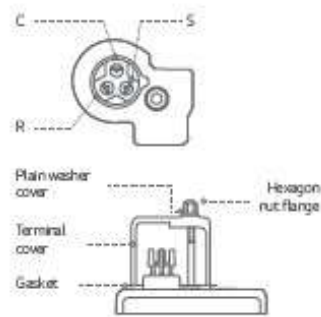


Cover Terminal Fitting

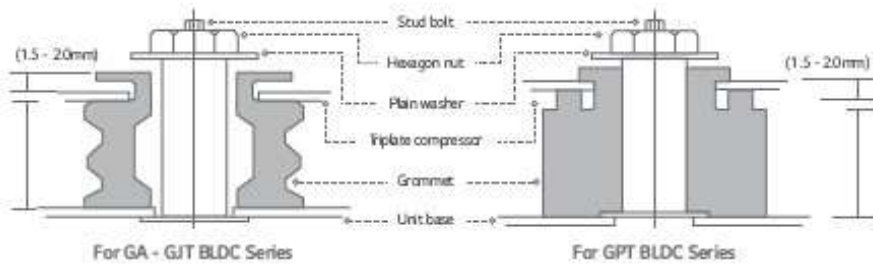


*O.L.P.: Over Load Protector

Cover Terminal Fitting



Mounting



Accessory Parts

Series	Standard accessory					Optional accessory		
	Terminal cover	Gasket	Plain washer	Hexagon nut	Grommet	Stud bolt	Plain washer	Nut
EA	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
GA / DA / GK / GJT / GJT	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
GPT	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
EHS / GKS / GI / QK / GK NK / QKS / GKT / OP	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

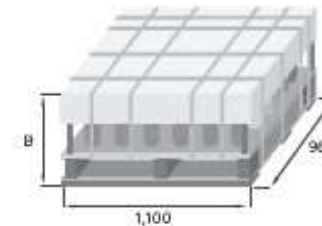


Packing & Container Stuffing Quantity

Items	1 Step pallet		2 Steps pallet		1 Container (20 ft)				
	Packing quantity	Size B	Packing quantity	Size B	Packing quantity	Step 1	Step 2	Accessory	Total
GS / GSG / GST	42	430	84	610 †	2,436	0	29	1	30
DA / EA / GA	20	430	40	610 †	1,420	1	35	1	37
DA / GA	20	430	40	610	1,420	1	35	1	37
DIT / GJT	20	510	40	740 †	860	1	21	1	23
DKT / GKT	16	420	32	810	752	1	23	1	25
DPT / GPT	16	520	32	740 †	560	1	17	1	19
EHS / GK / NK / OK	20	420	40	645	1,160	12	23	1	36
GI / NI / GI	20	370	40	740 †	940	1	23	1	25
GP / NP / OP	16	520	32	920 †	688	1	21	1	23

Note 1 : Packing conditions are subjects to change without notice.

1 Step pallet



2 Steps pallet

