

## GMCC and Welling Appliance Component (Thailand) Co., Ltd.



# 2021

## RECIP COMPRESSOR

GMCC and Welling Appliance Component (Thailand) Co., Ltd.

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# INTRODUCTION PRODUCT SERIES

## A Series

Ultra-low noise, low vibration. Using refrigerant R290 , the cooling capacity range is from 182W to 480W. for fixed speed model and 194W to 651W for Variable speed model



## B Series

Ultra-low noise, low vibration. Using refrigerant R1234tf , the cooling capacity range is from 84W to 270W. for fixed speed model and 200W to 420W for Variable model



## C Series

Ultra-low noise, low vibration. Using refrigerant R600a , the cooling capacity range is from 62W to 206W. for fixed speed model and 54W to 290W for Variable speed model



## T Series

Ultra-low noise, low vibration. Using refrigerant R134a , the cooling capacity range is from 82W to 345W. for fixed speed model and 61W to 430W for Variable speed model



## G Series

Ultra-low noise, low vibration. Using new refrigerant R449A , the cooling capacity range is from 375W to 459W.



## H Series

Ultra-low noise, low vibration. Using new refrigerant R513A , the cooling capacity range is from 90W to 370W.



## W Series

Ultra-small form factor, wider speed range, low noise and low vibration. Using refrigerant R600a, the cooling capacity range is from 63W to 230W.



## F Series

Ultra-efficient, wide speed range, low noise, low vibration, and ultra-low installation height. Using refrigerant R134a, the cooling capacity range is from 64W to 345W.



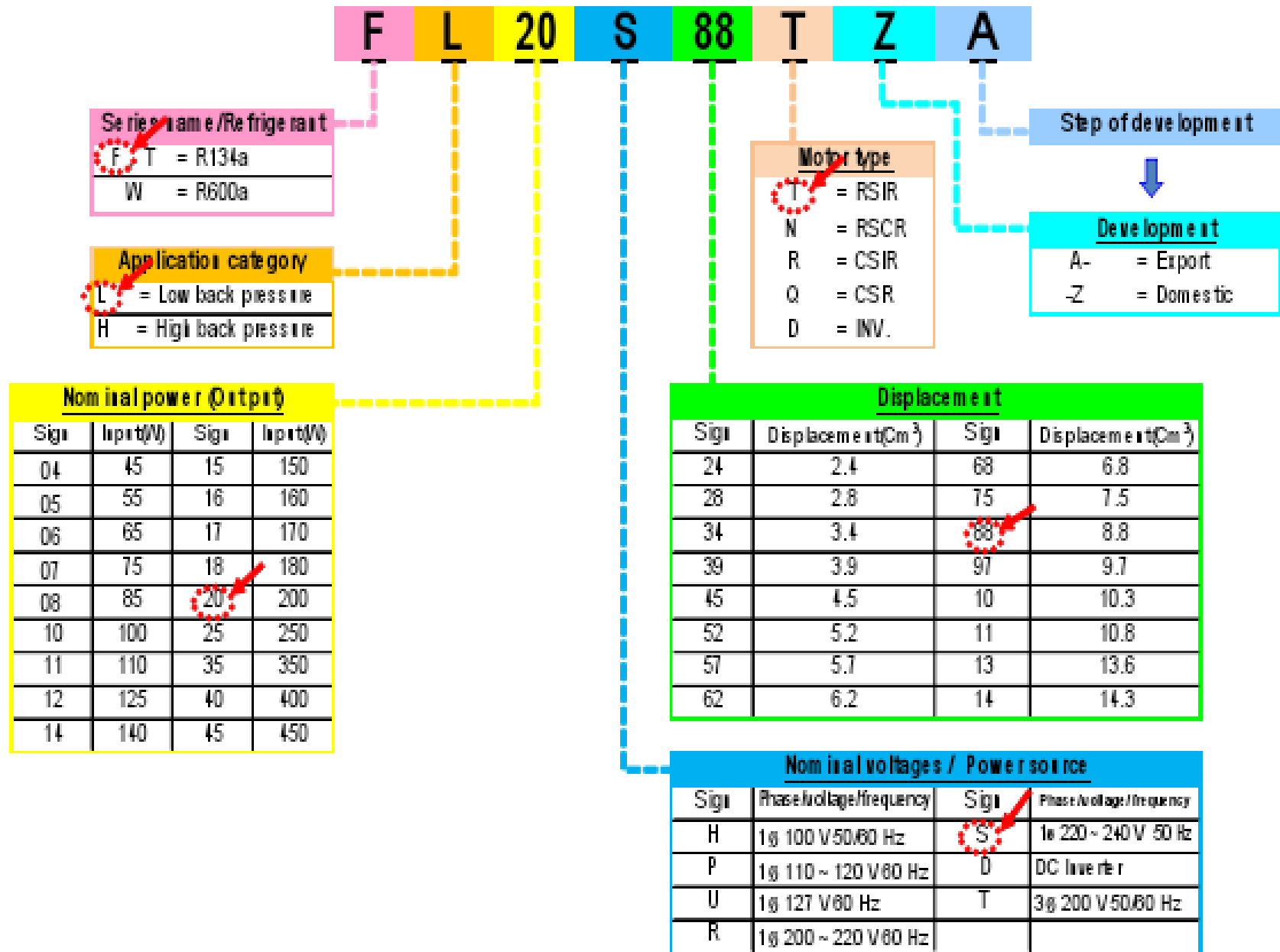
## R Series

Ultra-high cooling capacity, good overload capability, suitable for commercial product. the cooling capacity range is from 310W to 700W. for fixed speed model and 260W to 685W for Variable speed model

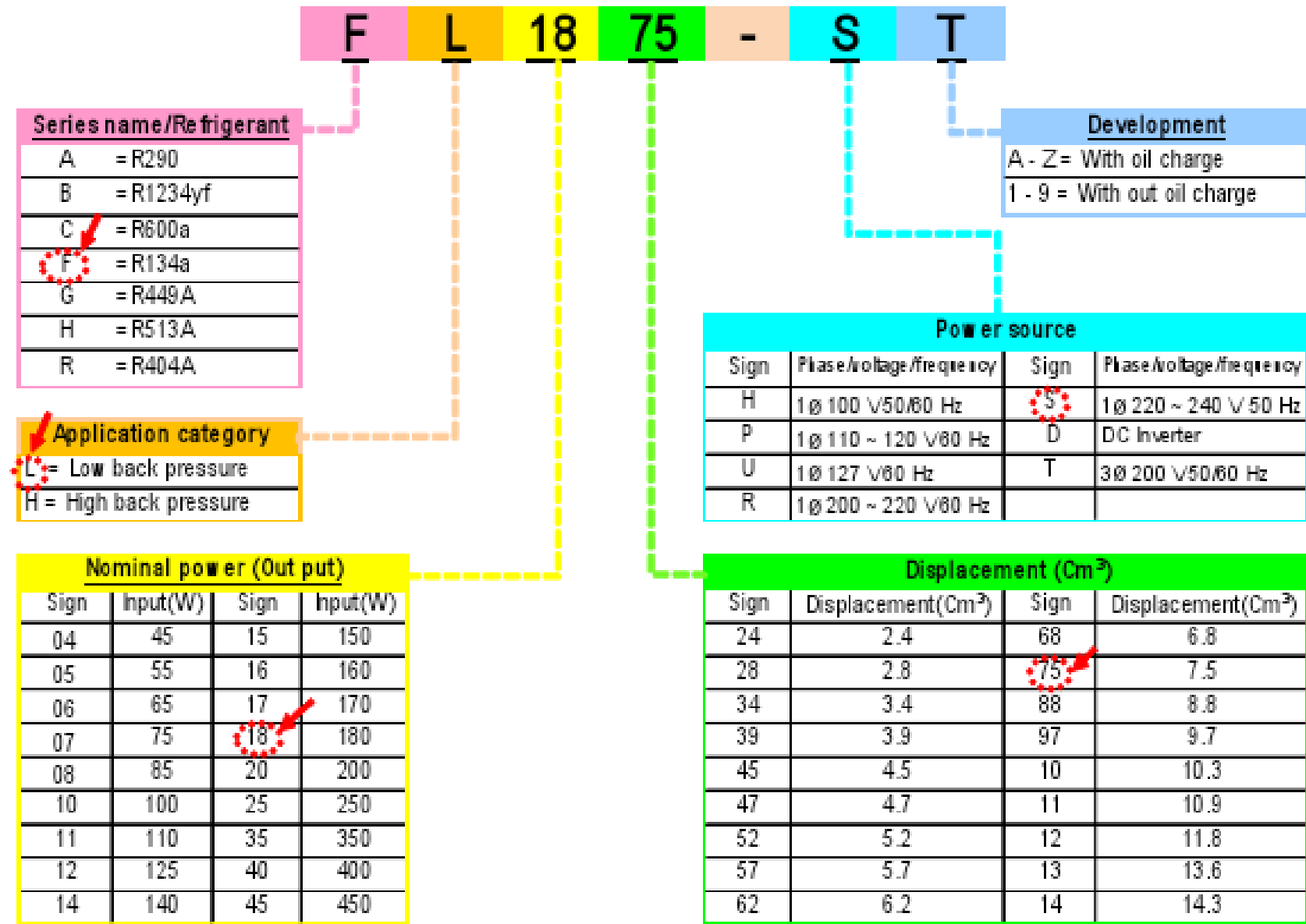


PRODUCT NAMING RULES TYPE 1

PRODUCT NAMING RULES TYPE 2



FL20S88TZA = Refrigerant R134a, LBP, 8.8 CC, Powersource 220-240V 50Hz, Circuit RSIR



FL1875-ST = Refrigerant R134a, LBP, 7.5 CC, Powersource 220-240V 50Hz

## TEST CONDITION

Test Conditions	ASHRAE Low Back Pressure (LBP)	ASHRAE High Back Pressure (HBP)
Evaporating Temperature	-23.3 °C (-10 °F)	7.2 °C (45 °F)
Condensing Temperature	54.4 °C (130 °F)	54.4 °C (130 °F)
Liquid Temperature	32.2 °C (90 °F)	46.1 °C (115 °F)
Return gas Temperature	32.2 °C (90 °F)	35 °C (95 °F)
Ambient Temperature	32.2 °C (90 °F)	35 °C (95 °F)

## CONVERSION TABLE

- 1、W×3.412=Btu/h
- 2、W×0.864=kcal/h
- 3、kcal/h×1.163=W
- 4、kcal/h×3.968=Btu/h
- 5、EER=COP×3.412
- 6、Capacity(at 50HZ)×1.16=Capacity(at 60HZ)

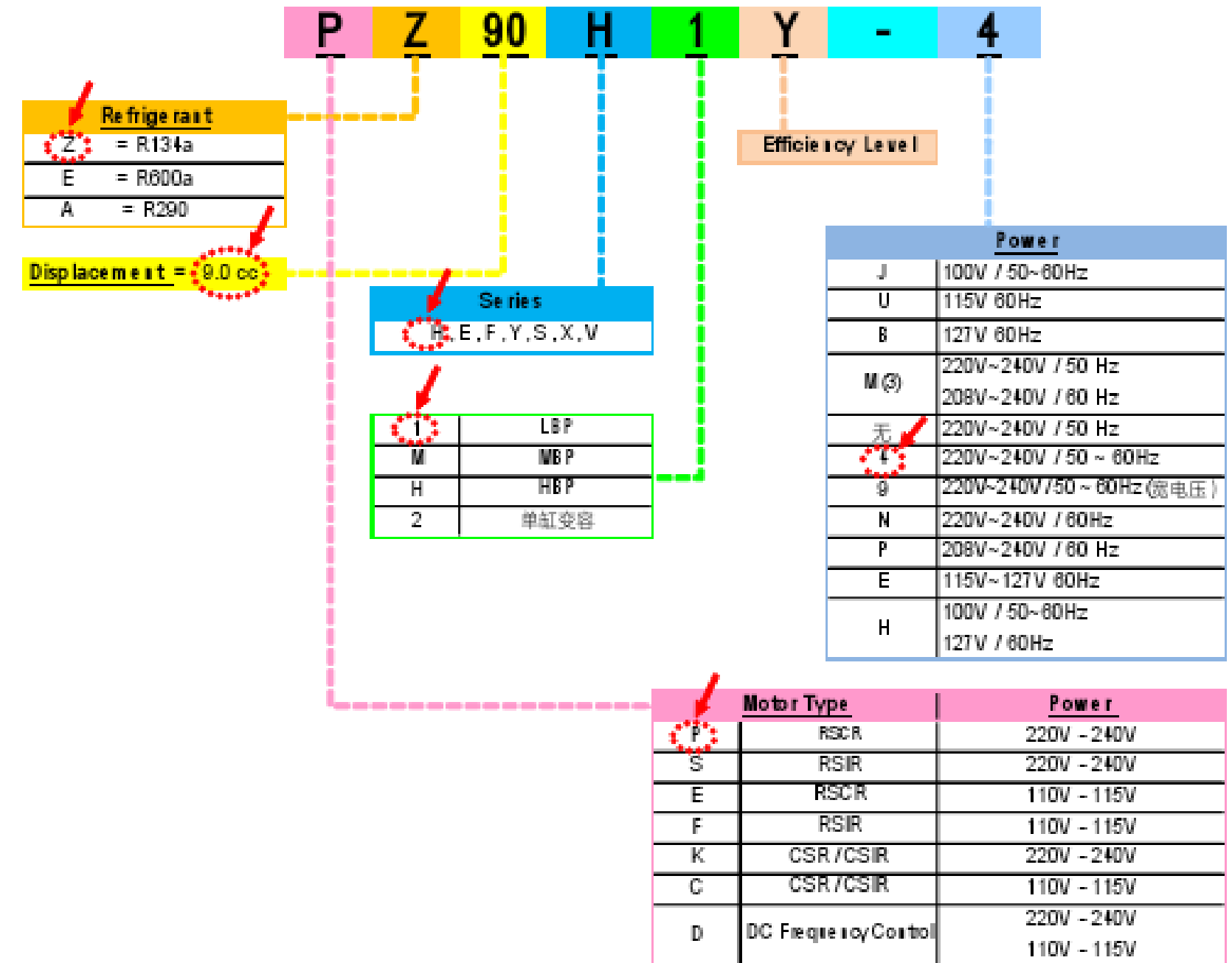
## COOLING TYPE

	Description
S	Static cooling : The compressor does not require forced cooling , but it must be installed in order to let the ambient air adequately cool it avoid overheating
F	Fan cooling : The compressor requires forced cooling through the use of a fan
OIL	Oil cooling : The compressor with pipe oil for cooling through

## ELECTRICAL MOTOR TYPE

	Description
RSIR	Resistive Start - Inductive Run : no start capacitor , no run capacitor
RSCR	Resistive Start - Capacitive Run : no start capacitor , run capacitor is needed to improve the torque
CSIR	Capacitor Start - Inductive Run : no run capacitor , start capacitor is needed to
CSR	Capacitor Start and Run Inductive Run : CSR with capacitive run and start windings
IR	Induction Run 3 Phase
INV	Inverter : Must be used control circuit board

## PRODUCT NAMING RULES TYPE 3



**PZ90H1Y-4 = Circuit RSCR , Refrigerant R600a , 9.0cc , LBP , Power 220V-240V 50 Hz**

## PRODUCT PERFORMANCE AND

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	rpm	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R404A LBP DC Inverter

100V/220~240V/50~60 Hz

R	RL4075-DA	7.47	Fan	BLDC	2000	260	224	887	1.40	4.78	-	Cu	200
					3000	400	344	1364	1.44	4.91			
					4200	535	460	1824	1.35	4.61			
	RL4075-DB	7.47	Fan	BLDC	1500	210	181	716	1.37	4.67	-	Cu	188
					3000	440	378	1500	1.55	5.29			
					4200	605	520	2063	1.49	5.08			
	RL4075-DC	7.47	Fan	BLDC	2000	247	212	842	1.32	4.50	-	Cu	200
					3000	380	327	1296	1.35	4.61			
					4200	508	437	1732	1.27	4.33			
	RL4588-DC	8.83	Fan	BLDC	1500	240	206	818	1.25	4.27	-	Cu	188
					3000	510	439	1739	1.49	5.08			
					4200	685	589	2336	1.45	4.95			

### R290 LBP DC Inverter

100V/220~240V/50~60 Hz

A	AL4088-DC	8.83	Fan	BLDC	1500	203	175	692	1.44	4.91	-	Cu	188
					3000	462	397	1575	1.77	6.04			
					4200	651	560	2220	1.74	5.94			
	AL4088-DC	8.83	Fan	BLDC	1500	194	167	662	1.42	4.85	-	Cu	188
					3000	450	387	1535	1.75	5.97			
					4200	640	550	2182	1.68	5.73			

### R1234yf LBP DC Inverter

100V/220~240V/50~60 Hz

B	BL2511-DA	10.9	Fan	BLDC	1800	200	172	682	1.54	5.25	-	Cu	188
					3000	320	275	1091	1.52	5.19			
					4500	420	361	1432	1.42	4.85			

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	rpm	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R600a LBP DC Inverter

100V/220~240V/50~60 Hz

W	WL14H92DPFS	9.12	Fan	BLDC	1200	63	54	215	1.57	5.38	-	Al	147
					1500	82	71	280	1.66	5.66			
					3000	168	144	573	1.73	5.90			
					4300	216	186	737	1.65	5.63			
	WL14H92DPEY	9.12	Fan	BLDC	1200	62	53	211	1.79	6.11	-	Al	147
					1500	82	71	280	1.88	6.41			
					3000	170	146	580	1.85	6.31			
					4300	213	183	726	1.67	5.70			
	WL14H92DPG	9.12	Fan	BLDC	1200	63	54	215	1.97	6.72	-	Cu	148
					1500	82	71	280	2.03	6.93			
					3000	175	151	597	1.98	6.76			
					4300	219	188	747	1.75	5.97			
CL1588-DA D	8.83	Fan	BLDC	1200	57	49	194	1.47	5.02	-	Al	148	
				1500	76	65	259	1.53	5.22				
				3000	155	133	529	1.58	5.39				
				4800	224	193	764	1.46	4.98				
CL1610-DL	10.3	Fan	BLDC	1200	66	57	225	1.53	5.22	-	Al	153	
				1500	83	71	283	1.61	5.49				
				3000	177	152	604	1.58	5.39				
				4800	267	230	910	1.40	4.78				
CL1711-DC	10.9	Fan	BLDC	1200	80	69	273	1.98	6.76	-	Cu	188	
				1500	110	95	375	1.80	6.14				
				3000	204	175	696	1.77	6.04				
				4800	290	249	989	1.48	5.05				

## PRODUCT PERFORMANCE AND

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R600a LBP FIXED SPEED

220V~240V/50Hz

C	CL0545-3A	4.5	ST	RSCR	220V/50Hz	62	53	211	1.12	3.82	-	AI	177
	CL0545-3AA	4.5	ST	RSCR	220V/50Hz	63	54	215	1.28	4.37	-	AI	177

### R600a LBP FIXED SPEED

220V~240V/50~60Hz

C	CL0768-3E	6.8	ST	RSCR	220V/50Hz	121	104	413	1.25	4.27	-	AI	177
					220V/60Hz	142	122	484	1.36	4.64			
	CL1188-3J	8.83	ST	RSCR	220V/50Hz	152	131	518	1.32	4.50	-	AI	181
					220V/60Hz	184	158	627	1.40	4.78			
	CL1310-3Y	10.2	ST	RSCR	220V/50Hz	177	152	604	1.37	4.67	-	AI	186
					220V/60Hz	206	177	702	1.45	4.95			

### R600a LBP FIXED SPEED

100V/50~60Hz

C	CL0545-HA	4.5	ST	RSCR	220V/50Hz	121	104	413	1.25	4.27	-	AI	177
					220V/60Hz	142	122	484	1.36	4.64			
	CL0657-HA	5.7	ST	RSCR	220V/50Hz	152	131	518	1.32	4.50	-	AI	181
					220V/60Hz	184	158	627	1.40	4.78			
	CL0768-HB	6.8	ST	RSCR	220V/50Hz	177	152	604	1.37	4.67	-	AI	186
					220V/60Hz	206	177	702	1.45	4.95			
	CL1188-HA	8.83	ST	RSCR	220V/50Hz	121	104	413	1.25	4.27	-	AI	177
					220V/60Hz	142	122	484	1.36	4.64			
	CL1297-HB	9.7	ST	RSCR	220V/50Hz	152	131	518	1.32	4.50	-	AI	181
					220V/60Hz	184	158	627	1.40	4.78			
	CL1310-HD	10.2	ST	RSCR	220V/50Hz	177	152	604	1.37	4.67	-	AI	186
					220V/60Hz	206	177	702	1.45	4.95			

### R600a LBP FIXED SPEED

115V/60Hz

C	CL0547-PA	4.7	ST	RSCR	115V/60Hz	93	80	317	1.35	4.61	-	Cu	177
	CL0768-PA	6.8	ST	RSCR	115V/60Hz	138	119	471	1.47	5.02	-	Cu	181
	CL1188-PA	8.83	ST	RSCR	115V/60Hz	162	139	552	1.41	4.81	-	Cu	181
	CL1297-PB	9.7	ST	RSCR	115V/60Hz	195	168	665	1.49	5.08	-	Cu	186

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	rpm	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R134a LBP DC Inverter

100V/220~240V/50~60 Hz

T	TL14H54DPA	5.4	Fan	BLDC	1200	64	55	218	1.71	5.83	-	Cu	147
					1500	80	69	273	1.79	6.11			
					3000	169	145	576	1.77	6.04			
	TL16H62DPA	6.2	Fan	BLDC	1200	74	64	252	1.71	5.83	-	Cu	147
					1500	95	82	324	1.80	6.14			
					3000	198	170	675	1.77	6.04			
F	TL18H76DPA	7.6	Fan	BLDC	1200	97	83	331	1.76	6.01	-	Cu	147
					1500	121	104	413	1.82	6.21			
					3000	238	205	812	1.78	6.07			
	FL1557-DZ	5.7	Fan	BLDC	1200	61	52	208	1.53	5.22	-	Cu	188
					1500	76	65	259	1.60	5.46			
					3000	162	139	552	1.55	5.29			
F	FL1875-DZ	7.47	Fan	BLDC	1200	80	69	273	1.43	4.88	-	Cu	188
					1500	103	89	351	1.50	5.12			
					3000	208	179	709	1.53	5.22			
	FL2511-DZ	10.9	Fan	BLDC	1200	127	109	433	1.35	4.61	-	Cu	188
					1500	158	136	539	1.40	4.78			
					3000	320	275	1091	1.54	5.25			
					4500	430	370	1466	1.46	4.98			



DC Inverter Refrigerator Compressor.

The efficient DC inverter motors with ultra-wide range of voltage and rotating speed can meet the requirements for energy conservation and silence of high-end variable-frequency refrigerators.

PRODUCT PERFORMANCE AND

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

**R134a LBP FIXED SPEED**

100V/50~60Hz

F	FL0528-HA	2.8	ST	RSIR	100V/50Hz	72	62	246	0.97	3.31	-	Cu	165
					100V/60Hz	82	71	280	1.00	3.41			
	FL0634-HJ	3.4	ST	RSIR	100V/50Hz	80	69	273	0.92	3.14	-	Cu	177
					100V/60Hz	92	79	314	1.00	3.41			
	FL0739-HB	3.9	ST	RSIR	100V/50Hz	94	81	321	0.97	3.31	-	Cu	179
					100V/60Hz	105	90	358	0.99	3.38			
	FL0845-HB	4.5	ST	RSIR	100V/50Hz	106	91	361	1.00	3.41	-	Cu	179
					100V/60Hz	120	103	409	1.04	3.55			
	FL0847-HA	4.7	Fat	RSCR	100V/50Hz	138	119	471	1.47	5.02	-	Cu	196
					100V/60Hz	168	144	573	1.50	5.12			
	FL1052-HD	5.2	Fat	RSIR	100V/50Hz	128	110	436	1.19	4.06	-	Cu	179
					100V/60Hz	146	126	498	1.22	4.16			
	FL1152-HG	5.2	Fat	RSIR	100V/50Hz	135	116	460	1.00	3.41	-	Cu	179
					100V/60Hz	158	136	539	1.03	3.51			
	FL1257-HB	5.7	ST	RSIR	100V/50Hz	142	122	484	1.10	3.75	-	Cu	195
					100V/60Hz	167	144	569	1.16	3.96			
	FL1462-HB	6.2	ST	CSR	100V/50Hz	160	138	546	1.28	4.37	-	Cu	195
					100V/60Hz	186	160	634	1.22	4.16			
	FL1675-HF	7.5	Fat	CSR	100V/50Hz	190	163	648	1.14	3.89	-	Cu	211
					100V/60Hz	218	187	743	1.20	4.09			
FL1875-HF	7.5	Fat	CSR	100V/50Hz	220	189	750	1.44	4.91	-	Cu	211	
				100V/60Hz	257	221	876	1.35	4.61				
FL2088-HG	8.83	Oil	CSR	100V/50Hz	268	230	914	1.51	5.15	-	Cu	211	
				100V/60Hz	300	258	1023	1.47	5.02				
FL2088-HJ	8.83	Fat	CSR	100V/50Hz	248	213	846	1.48	5.05	-	Cu	211	
				100V/60Hz	298	256	1016	1.44	4.91				

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

**R134a LBP FIXED SPEED**

220V~240V/50Hz

F	FL06S34TAE	3.4	ST	RSIR	220-240V/50Hz	85	73	290	0.90	3.07	-	AI	165
	FL0739-SQ	3.9	ST	RSIR	220-240V/50Hz	114	98	389	1.20	4.09	-	AI	177
	FL0847-SD	4.7	ST	RSIR	220-240V/50Hz	130	112	443	1.19	4.06	-	AI	177
	FL1152-SB	5.2	ST	RSIR	220-240V/50Hz	143	123	488	1.27	4.33	-	AI	181
	FL1257-SR	5.7	ST	RSIR	220-240V/50Hz	160	138	546	1.25	4.27	-	AI	186
	FL12S57NAJ	5.7	ST	RSCR	220-240V/50Hz	167	144	569	1.39	4.74	-	AI	186
	FL14S62TAD	6.2	ST	RSIR	220-240V/50Hz	175	151	597	1.30	4.44	-	AI	196
	FL15S68TAJ	6.8	ST	RSIR	220-240V/50Hz	195	168	665	1.22	4.16	-	AI	181
	FL18ST5TAE	7.47	Oil	RSIR	220-240V/50Hz	208	179	709	1.26	4.30	-	AI	211
	FL20S88MAAL	8.83	ST	RSIR	220-240V/50Hz	253	218	863	1.45	4.95	-	AI	211
	FL29S14QZA	14.3	Fat	CSR	220-240V/50Hz	345	297	1176	1.28	4.37	-	CI	211

**R134a LBP FIXED SPEED**

220V~240V/50~60Hz

F	FL0634-SK	3.4	ST	RSIR	220-240V/50Hz	89	77	303	0.92	3.14	-	AI	165
					220-240V/60Hz	102	88	348	1.02	3.48			
F	FL0847-ST	4.7	ST	RSIR	220-240V/50Hz	135	116	460	1.23	4.20	-	AI	177
					220-240V/60Hz	164	141	559	1.30	4.44			
F	FL11S52TZB	5.2	ST	RSIR	220-240V/50Hz	145	125	494	1.25	4.27	-	AI	181
					220-240V/60Hz	178	153	607	1.30	4.44			
F	FL1257-RM	5.7	ST	RSCR	220-240V/50Hz	155	133	529	1.07	3.65	-	AI	181
					220-240V/60Hz	175	151	597	1.16	3.96			
F	FL14S62TAF	6.2	ST	RSCR	220-240V/50Hz	175	151	597	1.25	4.27	-	AI	196
					220-240V/60Hz	200	172	682	1.24	4.23			
F	FL20S88TZA	8.83	ST	RSCR	220-240V/50Hz	255	219	870	1.25	4.27	-	AI	211
					220-240V/60Hz	295	254	1006	1.28	4.37			
F	FL3014-SV	14.3	Fat	CSR	220-240V/50Hz	360	310	1228	1.42	4.85	-	Cu	211
					220-240V/60Hz	410	353	1398	1.40	4.78			

## PRODUCT PERFORMANCE AND

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (7.2 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R134a HBP FIXED SPEED

200V/50-60Hz

F	FH0634-RB	3.4	Fan	R-SIR	200V/50Hz	328	910	1118	1.86	6.35	-	Cu	165
					200V/60Hz	370	1034	1262	1.83	6.24			
	FH0739-RZ	3.9	Fan	R-SIR	200V/50Hz	375	323	1279	1.94	6.62	-	Cu	179
					200V/60Hz	420	361	1432	1.86	6.35			
	FH1045-RA	4.5	Fan	R-SIR	200V/50Hz	423	910	1442	2.07	7.06	-	Cu	179
					200V/60Hz	486	1034	1657	2.01	6.86			
	FH1552-RZ	5.2	Fan	R-SIR	200V/50Hz	517	445	1763	2.14	7.30	-	Cu	179
					200V/60Hz	590	507	2012	2.10	7.17			
	FH2075-RC	7.47	Fan	R-SIR	200V/50Hz	700	850	2387	1.91	6.52	-	Cu	211
					200V/60Hz	790	980	2694	1.90	6.48			
	FH2588-RB	8.83	Fan	R-SIR	200V/50Hz	900	910	3069	2.14	7.30	-	Cu	211
					200V/60Hz	1020	1034	3478	2.08	7.10			

### R134a HBP FIXED SPEED

220V/50-60Hz

F	FH2588-8Y	8.83	Fan	C-SR	220V/50Hz	910	783	3103	2.39	8.15	-	Cu	211
					220V/60Hz	1020	877	3478	2.20	7.51			
	FH2711-8B	10.8	Fan	C-SR	220V/50Hz	1140	980	3887	2.44	8.33	-	Cu	198
					220V/60Hz	1325	1140	4518	2.47	8.43			
	FH3014-8C	14.3	Fan	C-SR	220V/50Hz	1450	910	4945	2.50	8.53	-	Cu	211
					220V/60Hz	1660	1034	5661	2.42	8.26			

### R134a HBP FIXED SPEED

220V-240V/50Hz

F	FH0634-8B	3.4	Fan	R-SIR	220-240V/50Hz	320	910	1091	1.83	6.24	-	Cu	165
	FH3014-8Z	14.3	Fan	C-SR	220-240V/50Hz	1450	910	4945	2.50	8.53	-	Cu	211

### R134a HBP FIXED SPEED

220V-240V/50-60Hz

F	FH0739-8D	3.9	Fan	R-SIR	220~220V/50Hz	380	910	1296	2.00	6.82	-	Cu	179
					220~220V/60Hz	440	1034	1500	2.00	6.82			
	FH1045-8A	4.5	Fan	R-SIR	220~220V/50Hz	440	378	1500	2.10	7.17	-	Cu	179
					220~220V/60Hz	505	434	1722	2.10	7.17			

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R134a LBP FIXED SPEED

100V/60Hz

F	FL0634-PC	3.4	ST	R-SIR	100V/60Hz	82	71	280	1.12	3.82	-	Al	179
	FL0739-PD	3.9	ST	R-SIR	100V/60Hz	115	99	392	1.14	3.89	-	Al	179
	FL0739-PJ	4.7	ST	R-SIR	100V/60Hz	140	120	471	1.40	4.78	-	Al	177
	FL0845-PC	5.2	ST	R-SIR	100V/60Hz	126	108	430	1.15	3.92	-	Al	179
	FL1052-PA	5.7	ST	R-SIR	100V/60Hz	141	121	481	1.11	3.79	-	Al	179
	FL1152-PA	5.7	ST	R-SGR	100V/60Hz	164	141	559	1.33	4.54	-	Al	188
	FL1257-PE	6.2	ST	R-SGR	100V/60Hz	180	155	614	1.38	4.71	-	Al	180
	FL1462-PB	6.8	ST	R-SIR	100V/60Hz	180	155	614	1.15	3.92	-	Al	200

### R134a LBP FIXED SPEED

100V/60Hz

F	FL1462-PE	7.47	ST	R-SGR	100V/60Hz	208	179	709	1.43	4.88	-	Al	216
	FL1568-PC	8.83	ST	R-SGR	100V/60Hz	210	181	716	1.28	4.37	-	Al	216
	FL1875-PB	8.83	OII	R-SIR	100V/60Hz	225	194	767	1.18	4.03	-	Al	216
	FL2088-PB	8.83	ST	R-SIR	100V/60Hz	282	243	962	1.36	4.64	-	Al	196

### R134a LBP FIXED SPEED

115V/60Hz

F	FL0528-PB	2.8	Fan	C-SR	115V/60Hz	82	71	280	1.17	3.99	-	Cu	179
	FL0634-PD	3.4	ST	R-SIR	115V/60Hz	92	79	314	0.95	3.24	-	Cu	177
	FL1152-PD	5.2	ST	C-SIR	115V/60Hz	146	126	498	1.16	3.96	-	Cu	196
	FL1257-PM	5.7	ST	R-SIR	115V/60Hz	175	151	597	1.09	3.72	-	Al	181
	FL1257-PL	5.7	ST	R-SIR	115V/60Hz	192	165	655	1.29	4.40	-	Al	186

### R134a LBP FIXED SPEED

127V/60Hz

F	FL0634-UA	3.4	ST	R-SIR	127V/60Hz	98	84	334	1.04	3.55	-	Cu	179
	FL0739-UA	3.9	ST	R-SIR	127V/60Hz	114	98	389	1.05	3.58	-	Cu	179
	FL1052-UA	5.2	ST	R-SIR	127V/60Hz	147	126	501	1.08	3.68	-	Cu	179
	FL1152-UA	5.2	ST	R-SIR	127V/60Hz	153	132	522	1.12	3.82	-	Cu	179
	FL1152-UD	5.2	ST	R-SGR	127V/60Hz	165	142	563	1.45	4.95	-	Cu	188
	FL1257-UA	5.7	ST	R-SIR	127V/60Hz	180	155	614	1.24	4.23	-	Cu	180
	FL1262-UA	6.2	ST	R-SIR	127V/60Hz	173	149	590	1.13	3.86	-	Cu	196
	FL1462-UA	6.2	ST	R-SIR	127V/60Hz	180	155	614	1.16	3.96	-	Cu	200
	FL1568-UD	6.8	ST	R-SIR	127V/60Hz	228	196	777	1.29	4.40	-	Cu	200
	FL1875-UA	7.47	OII	R-SIR	127V/60Hz	225	194	767	1.18	4.03	-	Cu	198
	FL1875-UE	7.47	Fan	R-SGR	127V/60Hz	260	224	887	1.52	5.19	-	Cu	216
	FL2088-UB	8.83	OII	R-SGR	127V/60Hz	282	243	962	1.36	4.64	-	Cu	196



## PRODUCT PERFORMANCE AND

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (7.2 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/W/h			

### R134a HBP FIXED SPEED

100V/50~60Hz

F	FH1045-HA	4.5	Fan	RSIR	100~110V/50Hz	445	383	1517	2.23	7.61	-	Cu	179
					100~110V/60Hz	510	439	1739	2.13	7.27			
	FH1552-HB	5.2	Fan	CSIR	100~110V/50Hz	555	477	1893	2.30	7.85	-	Cu	179
					100~110V/60Hz	640	550	2182	2.30	7.85			
	FH2075-HB	7.47	Fan	CSIR	100~110V/50Hz	725	910	2472	2.05	6.99	-	Cu	211
					100~110V/60Hz	815	1034	2779	1.95	6.65			
	FH2075-HC	7.47	Fan	CSIR	100~110V/50Hz	688	592	2346	1.94	6.62	-	Cu	211
					100~110V/60Hz	771	663	2629	1.85	6.31			
	FH2588-HB	8.83	Fan	CSIR	100~110V/50Hz	916	788	3124	2.41	8.22	-	Cu	211
					100~110V/60Hz	1034	889	3526	2.20	7.51			

### R134a HBP FIXED SPEED

100V~110V/50~60Hz

F	FH2797-PA	9.7	BT	CSIR	100~110V/50Hz	1000	860	3410	2.50	8.53	-	Cu	211
					100~110V/60Hz	1120	963	3819	2.33	7.95			
	FH2913-PA	13.4	BT	CSIR	100~110V/50Hz	1350	1161	4604	2.33	7.95	-	Cu	211
					100~110V/60Hz	1550	1333	5286	2.28	7.78			

### R134a HBP FIXED SPEED

110V~120V/60Hz

F	FH0634-PA	3.4	Fan	RSIR	110~120V/60Hz	372	320	1269	1.78	6.07	-	Cu	165
	FH0739-PA	3.9	Fan	RSIR	110~120V/60Hz	440	378	1500	2.00	6.82	-	Cu	165
	FH1045-PA	4.5	Fan	RSIR	110~120V/60Hz	510	439	1739	2.13	7.27	-	Cu	179
	FH2075-PA	7.47	Fan	CSIR	110~120V/60Hz	820	705	2796	1.95	6.65	-	Cu	211
	FH2075-PB	7.47	Fan	RSIR	110~120V/60Hz	815	701	2779	1.95	6.65	-	Cu	211
	FH2588-PA	8.83	Fan	CSIR	115V/60Hz	1034	889	3526	2.20	7.51	-	Cu	211

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (7.2 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/W/h			

### R134a HBP FIXED SPEED

220V~240V/50~60Hz

F	FH2075-SW	7.47	Fan	CSR	220~220V/50Hz	770	910	2626	2.50	8.53	-	Cu	211
					220~220V/60Hz	895	1034	3052	2.47	8.43			
	FH2588-SF	8.83	Fan	RSCR	220~220V/50Hz	875	753	2984	2.11	7.20	-	Cu	211
					220~220V/60Hz	1010	869	3444	2.10	7.17			
	FH2588-SYA	8.83	Fan	CSR	220~220V/50Hz	916	850	3124	2.29	7.81	-	Al	218
					220~220V/60Hz	1034	980	3526	2.20	7.51			
	FH2588-SW	8.83	Fan	CSR	220~220V/50Hz	890	910	3035	2.47	8.43	-	Cu	211
					220~220V/60Hz	1030	1034	3512	2.35	8.02			
	FH2797-SA	9.7	Fan	CSR	220~220V/50Hz	1000	860	3410	2.56	8.73	-	Cu	211
					220~220V/60Hz	1120	963	3819	2.36	8.05			
FH2913-SB	13.4	Fan	CSR	220~220V/50Hz	1350	1161	4604	2.45	8.36	-	Cu	211	
				220~220V/60Hz	1550	1333	5286	2.36	8.12				

### R134a HBP FIXED SPEED

100V/50~60Hz

F	FH0634-HA	3.4	Fan	RSIR	100~110V/50Hz	320	910	1091	1.80	6.14	-	Cu	165
					100~110V/60Hz	372	1034	1269	1.78	6.07			
	FH0739-HA	3.9	Fan	RSIR	100~110V/50Hz	390	335	1330	2.11	7.20	-	Cu	179
					100~110V/60Hz	440	378	1500	2.00	6.82			



## PRODUCT PERFORMANCE AND

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/W/h			

### R404A LBP FIXED SPEED

220V~240V/50Hz

A	RL2557-SA	5.7	Fan	CSR	220~240V/50Hz	300	258	1023	1.33	4.54	-	Cu	211
	RL3568-SA	6.8	Oil	CSR	220~240V/50Hz	380	327	1296	1.27	4.33	-	Cu	211
	RL4075-SB	7.47	Oil	CSR	220~240V/50Hz	430	370	1466	1.35	4.61	-	Cu	211
	RL4588-SB	8.83	Oil	CSR	220~240V/50Hz	490	421	1671	1.27	4.33	-	Cu	211
	RL4588-SZ	8.83	Fan	CSR	220~240V/50Hz	490	421	1671	1.21	4.13	-	Cu	211
	RL7012-SZ	11.8	Fan	CSR	220~240V/50Hz	630	542	2148	1.41	4.81	-	Cu	216

### R404A LBP FIXED SPEED

220V~240V/60Hz

R	RL2557-RA	5.7	Fan	CSR	220~240V/60Hz	360	310	1228	1.32	4.50	-	Cu	211
	RL3568-RZ	6.8	Fan	CSR	220~240V/60Hz	450	387	1535	1.32	4.50	-	Cu	211
	RL7012-RA	11.8	Fan	CSR	220~240V/60Hz	700	602	2387	1.36	4.64	-	Cu	216

### R404A LBP FIXED SPEED

3Phase 200V/50~60Hz

R	RL3062-TB	6.2	Fan	IR	3 <sub>φ</sub> 200V/50Hz	340	292	1159	1.33	4.54	-	Cu	211
					3 <sub>φ</sub> 200V/60Hz	400	344	1364	1.31	4.47			
	RL3568-TA	6.8	Fan	IR	3 <sub>φ</sub> 200V/50Hz	370	318	1262	1.32	4.50	-	Cu	211
					3 <sub>φ</sub> 200V/60Hz	430	370	1466	1.26	4.30			
	RL4075-TB	7.47	Fan	IR	3 <sub>φ</sub> 200V/50Hz	410	353	1398	1.37	4.67	-	Cu	211
					3 <sub>φ</sub> 200V/60Hz	470	404	1603	1.34	4.57			
	RL4588-TA	8.83	Oil	IR	3 <sub>φ</sub> 200V/50Hz	470	404	1603	1.30	4.44	-	Cu	211
					3 <sub>φ</sub> 200V/60Hz	530	456	1807	1.23	4.20			

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/W/h			

### R290 LBP FIXED SPEED

220V~240V/50Hz

A	AL1228-SA	2.8	ST	CSR	220-240V/50Hz	121	104	413	1.33	4.54	-	Cu	196
	AL1739-SB	3.9	ST	CSR	220-240V/50Hz	182	157	621	1.45	4.95	-	Cu	196

### R290 LBP FIXED SPEED

220V~240V/60Hz

A	AL1228-RA	2.8	ST	CSR	220-240V/60Hz	147	126	501	1.36	4.64	-	Cu	196
	AL1739-RA	3.9	ST	CSR	220-240V/60Hz	211	181	720	1.41	4.81	-	Cu	196

### R290 LBP FIXED SPEED

220V~240V/50~60Hz

A	AL3068-SZA	6.8	ST	CSR	220-240V/50Hz	320	275	1091	1.46	4.98	-	A	200
					220-240V/60Hz	375	323	1279	1.50	5.12			
	AL4088-SZA	8.83	ST	CSR	220-240V/50Hz	400	344	1364	1.45	4.95	-	A	216
					220-240V/60Hz	480	413	1637	1.48	5.05			

### R290 LBP FIXED SPEED

100V/50~60Hz

A	AL1739-HB	3.9	ST	CSR	100V/50Hz	182	157	621	1.35	4.61	-	Cu	196
					100V/60Hz	218	187	743	1.39	4.74			

### R290 LBP FIXED SPEED

110V~120/60Hz

A	AL1228-PA	2.8	ST	CSR	110~120V/50Hz	149	128	508	1.16	3.96	-	Cu	196
	AL1739-PA	3.9	ST	CSR	110~120V/50Hz	217	187	740	1.36	4.64	-	Cu	196

## PRODUCT PERFORMANCE AND

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/W/h			

### R1234yf LBP FIXED SPEED

220V~240V/50Hz

B	BL2088-SA	8.83	Fan	CSR	220-240V/50Hz	275	237	938	1.44	4.91	-	Cu	211
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### R1234yf LBP FIXED SPEED

220V~240V/60Hz

B	BL2088-RA	8.83	Fan	CSR	220-240V/60Hz	321	276	1095	1.40	4.78	CB	Cu	211
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### R1234yf LBP FIXED SPEED

100V/50~60Hz

B	BL1568-HA	6.8	ST	RSIR	100V/50Hz	177	152	604	1.13	3.86	-	Cu	196
					100V/60Hz	206	177	702	1.18	4.03			
	BL2088-HA	8.83	Fan	CSR	100V/50Hz	270	232	921	1.42	4.85	-	Cu	211
					100V/60Hz	320	275	1091	1.42	4.85			

### R1234yf HBP FIXED SPEED

100V/50~60Hz

B	BL1552-HA	5.2	ST	RSIR	100V/50Hz	528	454	1800	2.15	7.34	-	Cu	179
					100V/60Hz	612	526	2087	2.15	7.34			
	BL2075-HA	7.47	Fan	CSIR	100V/50Hz	677	582	2309	1.82	6.21	-	Cu	211
					100V/60Hz	755	649	2575	1.72	5.87			

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/W/h			

### R404A LBP FIXED SPEED

3Phase 200V/50~60Hz

R	RL4588-TC	8.83	Fan	IR	3 $\phi$ 200V/50Hz	470	404	1603	1.30	4.44	-	Cu	211
					3 $\phi$ 200V/60Hz	530	456	1807	1.23	4.20			
	RL4588-TD	8.83	Fan	IR	3 $\phi$ 200V/50Hz	456	392	1555	1.24	4.23	-	Cu	211
					3 $\phi$ 200V/60Hz	514	442	1753	1.27	4.33			

### R404A LBP FIXED SPEED

100V/50~60Hz

R	RL2557-HB	5.7	Fan	CSR	100V/50Hz	310	267	1057	1.34	4.57	-	Cu	211
					100V/60Hz	365	314	1245	1.36	4.64			
	RL3062-HA	6.2	Oil	CSR	100V/50Hz	350	301	1194	1.25	4.27	-	Cu	211
					100V/60Hz	420	361	1432	1.31	4.47			
	RL3062-HB	3.2	Fan	CSR	100V/50Hz	350	301	1194	1.25	4.27	-	Cu	211
					100V/60Hz	420	361	1432	1.31	4.47			
	RL3568-HA	6.8	Oil	CSR	100V/50Hz	380	327	1296	1.26	4.30	-	Cu	211
					100V/60Hz	450	387	1535	1.32	4.50			
	RL3568-HB	6.8	Fan	CSR	100V/50Hz	380	327	1296	1.26	4.30	-	Cu	211
					100V/60Hz	450	387	1535	1.32	4.50			
	RL4075-HA	7.47	Oil	CSR	100V/50Hz	430	370	1466	1.30	4.44	-	Cu	211
					100V/60Hz	490	421	1671	1.32	4.50			
	RL4075-HB	7.47	Fan	CSR	100V/50Hz	430	370	1466	1.30	4.44	-	Cu	211
					100V/60Hz	490	421	1671	1.32	4.50			
	RL4588-HA	8.83	Oil	CSR	100V/50Hz	490	421	1671	1.25	4.27	-	Cu	211
					100V/60Hz	570	490	1944	1.29	4.40			
RL4588-HC	8.83	Fan	CSR	100V/50Hz	490	421	1671	1.25	4.27	-	Cu	211	
				100V/60Hz	570	490	1944	1.29	4.40				

### R404A LBP FIXED SPEED

110V~120V/60Hz

R	RL2557-PB	5.7	Fan	CSR	110~120V/60Hz	365	314	1245	1.32	4.50	-	Cu	211
	RL4588-PA	8.83	Oil	CSR	110~120V/60Hz	570	490	1944	1.29	4.40	-	Cu	211

## PRODUCT PERFORMANCE AND

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R449A LBP FIXED SPEED

220V~240V/50Hz

G	GL2557-SA	5.7	Fan	CSR	220-240V/50Hz	248	213	846	1.28	4.37	-	Cu	211
	GL4588-SA	8.83	Fan	CSR	220-240V/50Hz	375	323	1279	1.20	4.09	-	Cu	211

### R449A LBP FIXED SPEED

100V/50~60Hz

G	GL2557-HA	5.7	Fan	CSR	100V/50Hz	249	214	849	1.25	4.27	-	Cu	211
					100V/60Hz	294	253	1003	1.29	4.40			
	GL4588-HA	8.83	Fan	CSR	100V/50Hz	387	333	1320	1.16	3.96	-	Cu	211
					100V/60Hz	459	395	1565	1.27	4.33			

### R449A LBP FIXED SPEED

110V/60Hz

G	GL4588-PA	8.83	Fan	CSR	100V/60Hz	450	387	1535	1.20	4.09	-	Cu	211
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Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R513A LBP FIXED SPEED

220V~240V/50Hz

H	HL1568-SA	6.8	ST	CSR	220-240V/50Hz	216	186	737	1.34	4.57	-	Cu	200
	HL2088-SA	8.83	OIL	CSR	220-240V/50Hz	270	232	921	1.38	4.71	-	Cu	211
	HL2711-SA	10.8	Fan	CSR	220-240V/50Hz	323	278	1101	1.36	4.64	-	Cu	211

### R513A LBP FIXED SPEED

220V~240V/60Hz

H	HL1568-RA	6.8	ST	CSR	220-240V/60Hz	253	218	863	1.28	4.37	-	Cu	200
	HL2088-RA	8.83	OIL	CSR	220-240V/60Hz	316	272	1078	1.29	4.40	-	Cu	211
	HL2711-RA	10.8	Fan	CSR	220-240V/60Hz	370	318	1262	1.33	4.54	-	Cu	211

### R513A LBP FIXED SPEED

100V/50~60Hz

H	HL1568-HA	6.8	Fan	CSR	100V/50Hz	213	183	726	1.41	4.81	-	Cu	216
					100V/60Hz	249	214	849	1.42	4.85			
	HL2088-HA	8.83	OIL	CSR	100V/50Hz	280	241	955	1.41	4.81	-	Cu	211
					100V/60Hz	324	279	1105	1.42	4.85			
	HL2711-HA	10.8	Fan	CSR	100V/50Hz	327	281	1115	1.32	4.50	-	Cu	216
					100V/60Hz	371	319	1265	1.28	4.37			

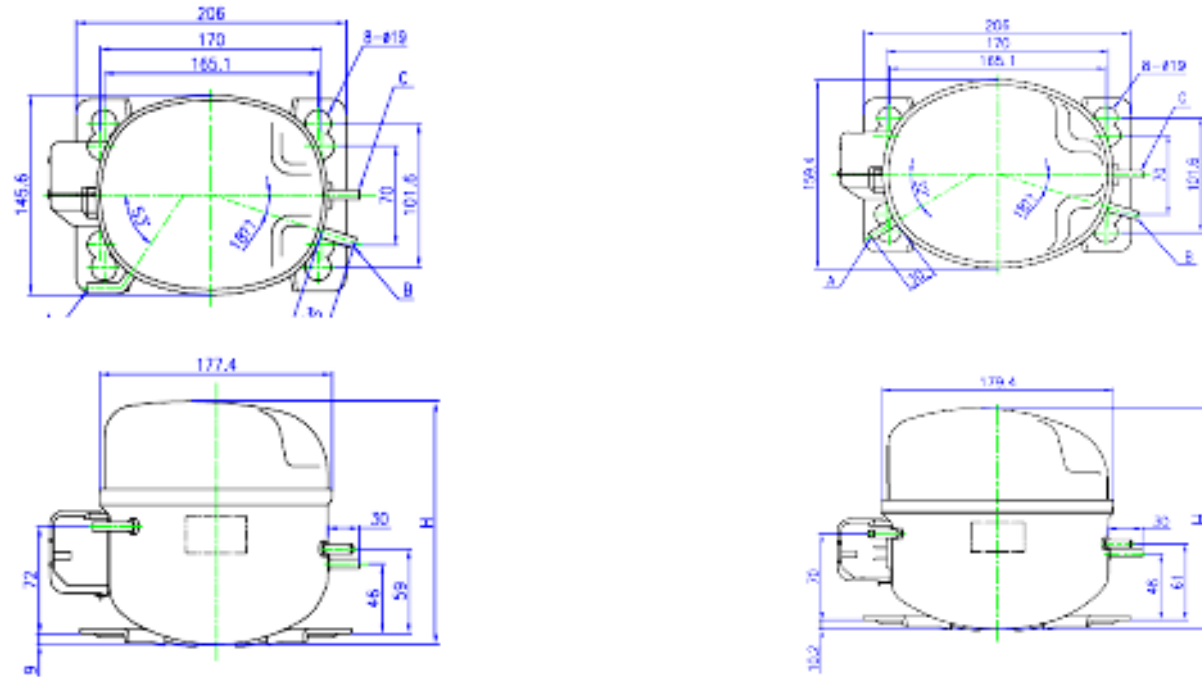
### R513A LBP FIXED SPEED

110V/60Hz

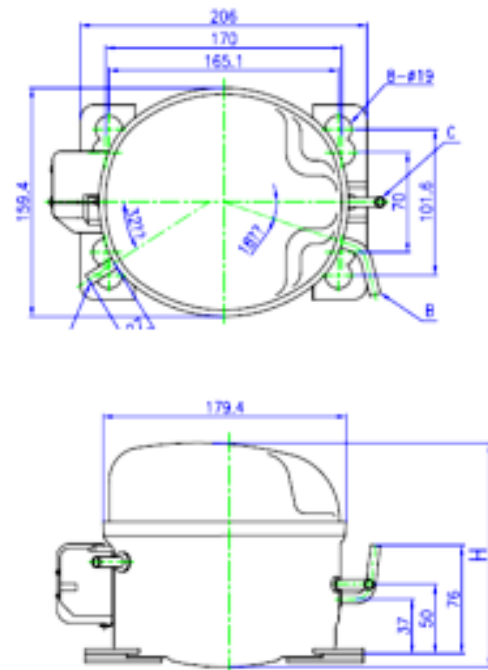
H	HL0528-PA	2.8	ST	RSIR	100V/60Hz	90	77	307	0.97	3.31	-	Cu	165
	HL1568-PA	6.8	ST	CSIR	100V/60Hz	251	216	856	1.31	4.47	-	Cu	200
	HL2088-PA	8.83	OIL	CSR	100V/60Hz	305	262	1040	1.39	4.74	-	Cu	211
	HL2711-PA	10.8	Fan	CSR	100V/60Hz	374	322	1275	1.28	4.37	-	Cu	216

# OUTLINE DRAWING OF COMPRESSOR

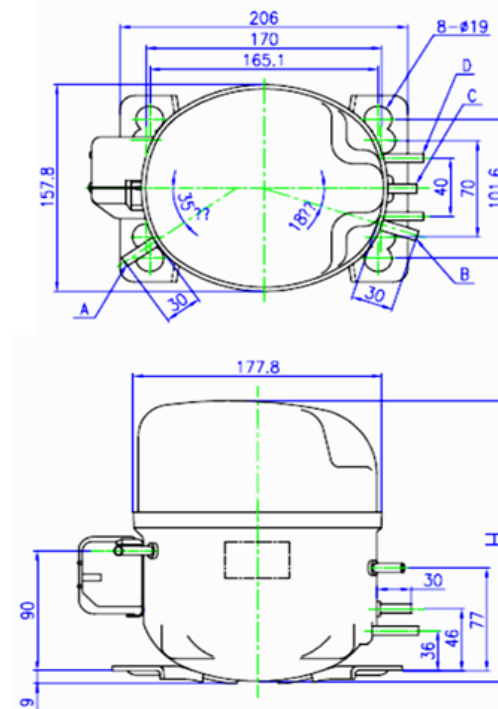
## Series A ,B , C , F , G ,H ,R



## Series T , W



## Series B , F , R



### REMARK

DIM. MODEL	A	B	C	D
	SUCTION TUBE	PROCESS TUBE	DISCHARGE TUBE	OIL-COOLER TUBE
ALL MODEL	ø8(OD)X6.5(ID)	ø8(OD)X6.5(ID)	ø6.95(OD)X4.95(ID)	ø6.95(OD)X4.95(ID)

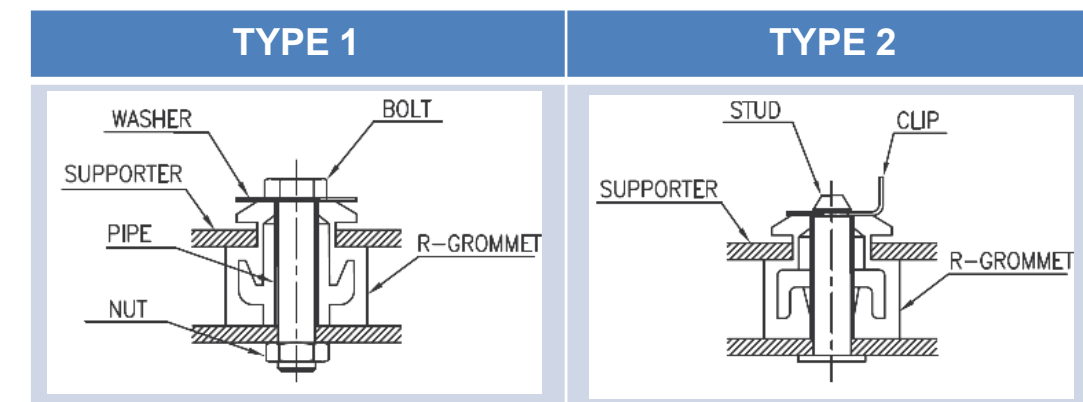
UNIT : mm

Series	Height (mm)
A	196 / 200 / 211
B	188 / 196 / 211
C	146 / 153 / 177 / 181 / 186 / 188
F	165 / 177 / 179 / 181 / 186 / 188 / 196 / 211 / 216
G	211
H	165 / 200 / 211 / 216
R	188 / 200 / 211 / 216
T	147
W	146 / 147

### Remark

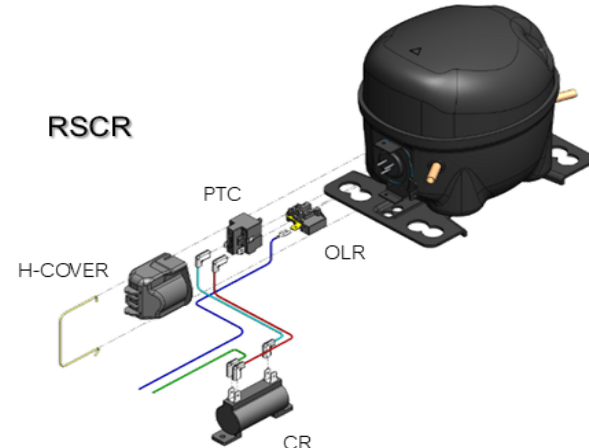
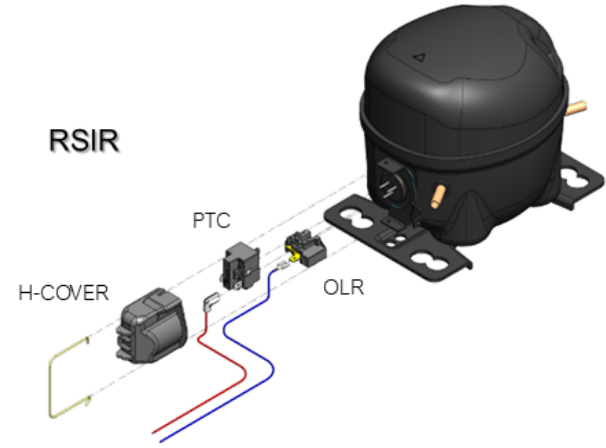
1. In principle, suction and discharge pipes are not interchangeable, if interchanged, the COP and cooling capacity will be reduced by about 5%;
2. Whether water pan clip is added or not can be determined according to customer requirements;
3. Inner diameters of the three tubes and bending direction can be determined according to customer requirements.

## MOUNTING OF COMPRESSOR

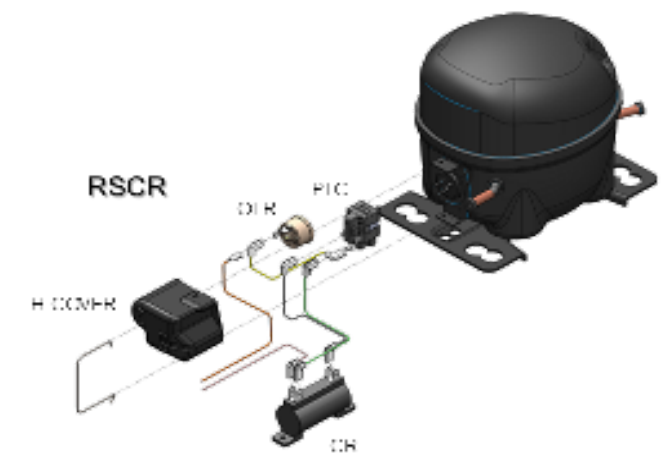
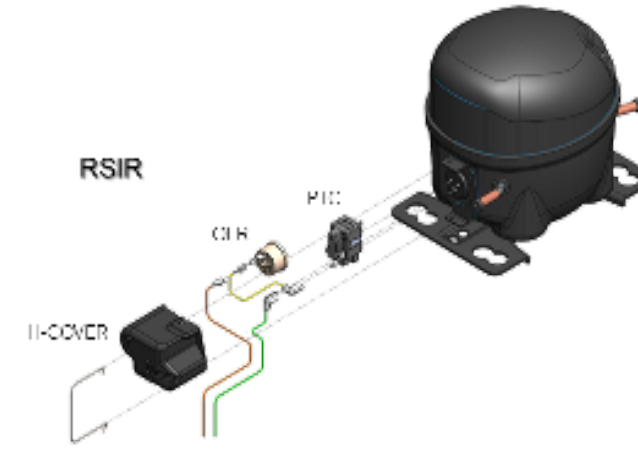


# INSTALLATION OF ACCERSSORIES

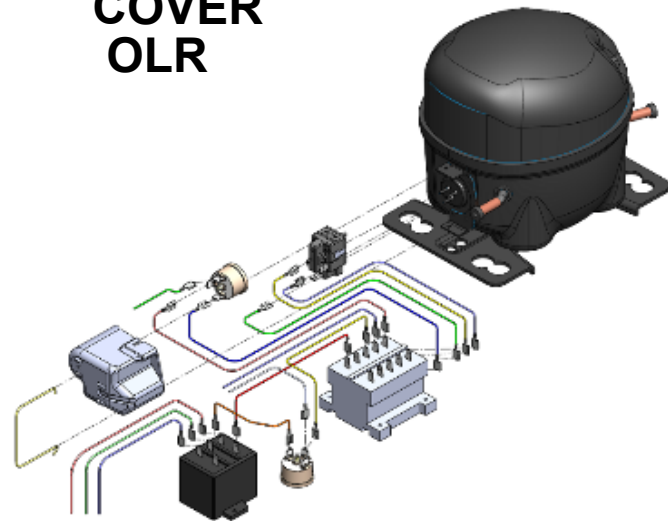
## STANDARD PLUG-IN OLR COVER (F4)



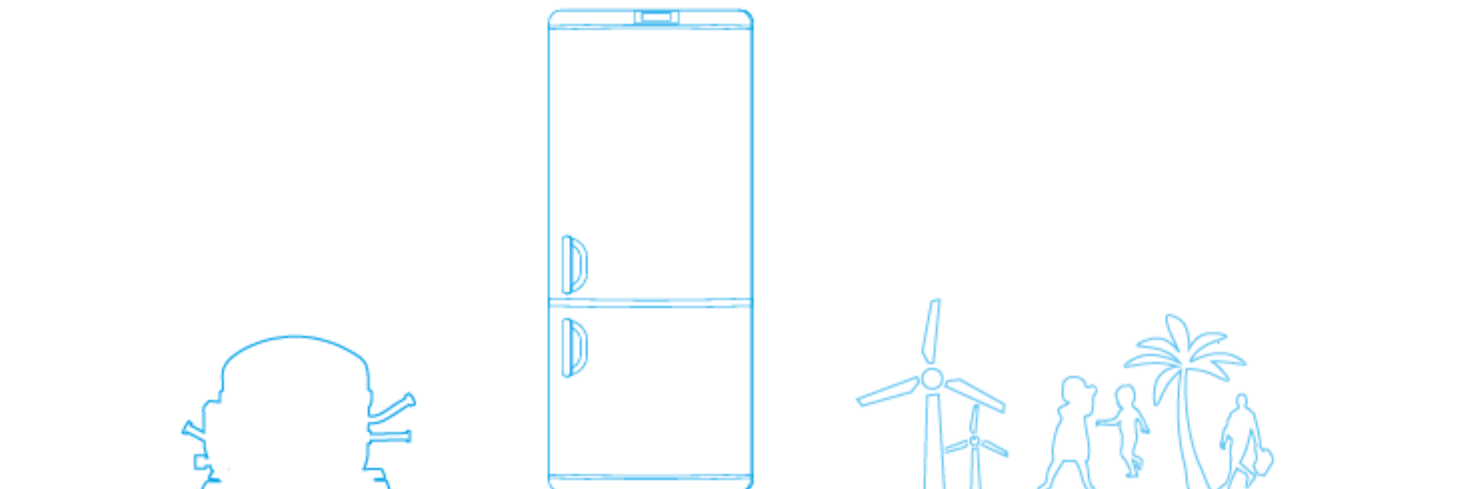
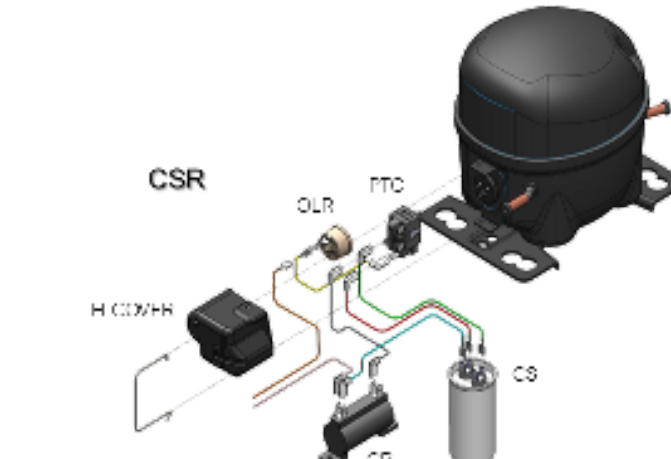
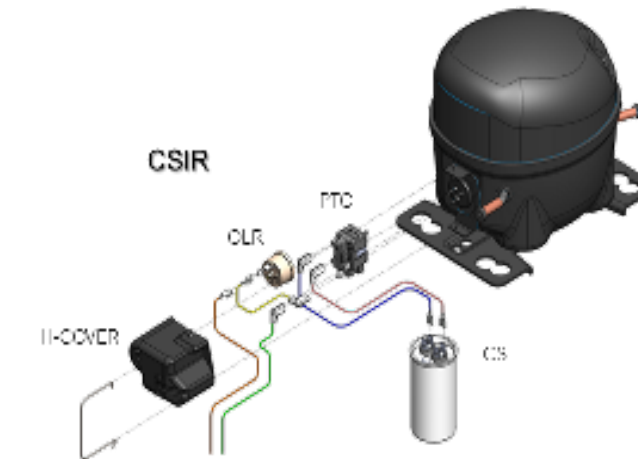
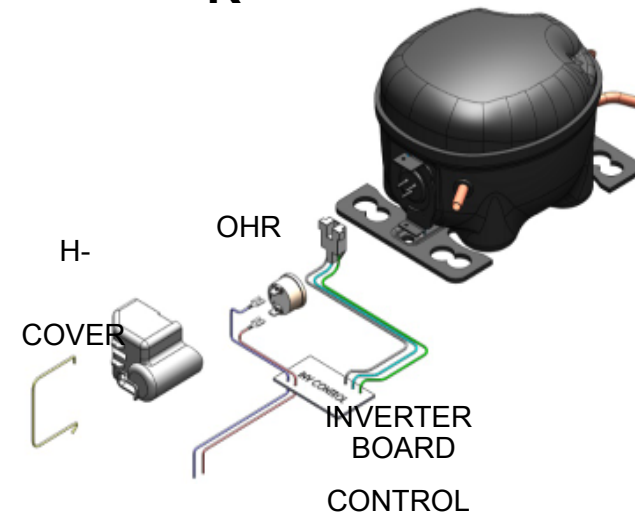
## STANDARD STANDARD OLR COVER (F)



## IR 3 STANDARD STANDARD COVER OLR



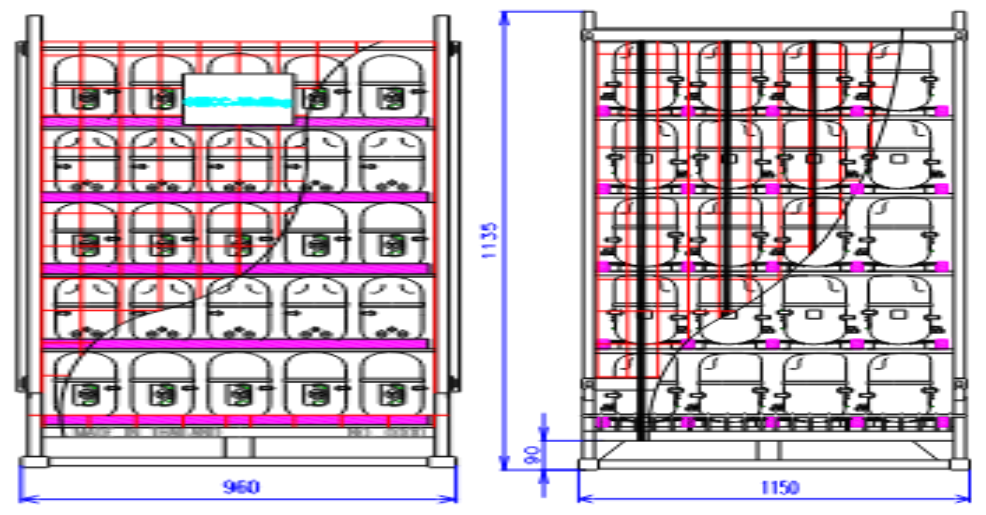
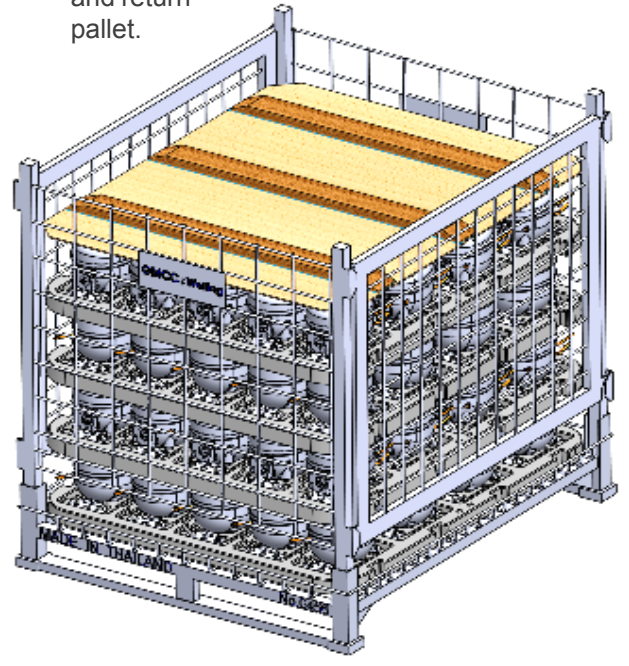
## INVERTE R



# COMPRESSOR STANDARD PACKING

## Steel Packing

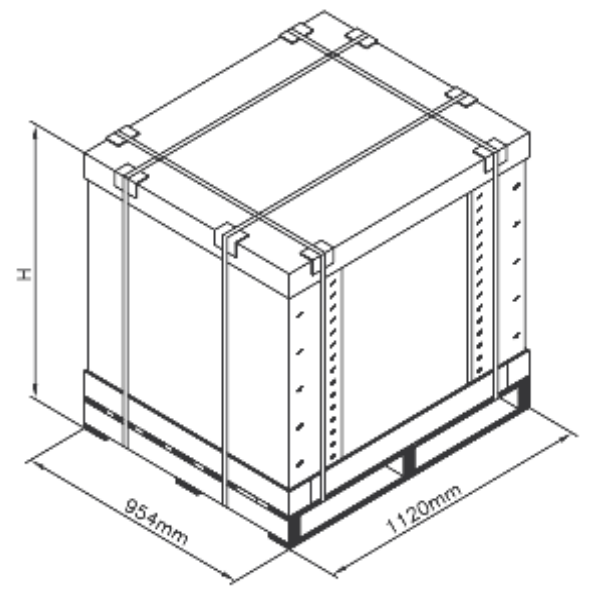
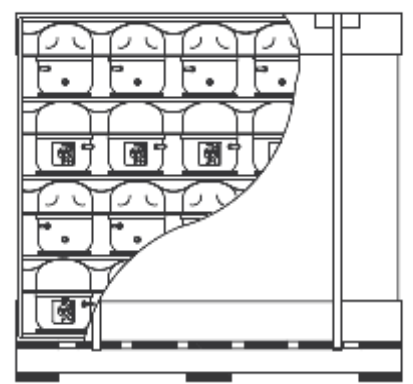
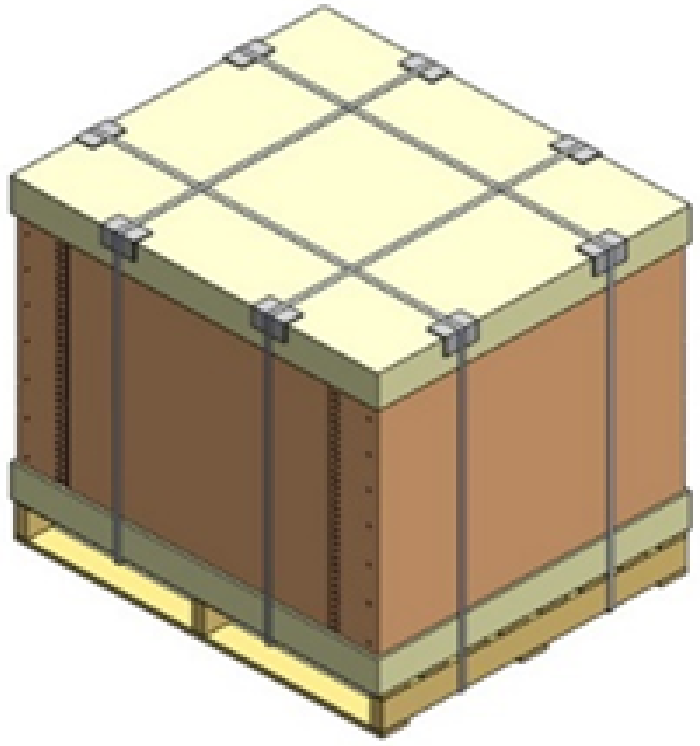
for domestic and return pallet.



Comp. Height (mm)	Layer	Quantity (Pcs.)
156 ~ 188	5	100 Pcs
195 ~ 216	4	80 Pcs

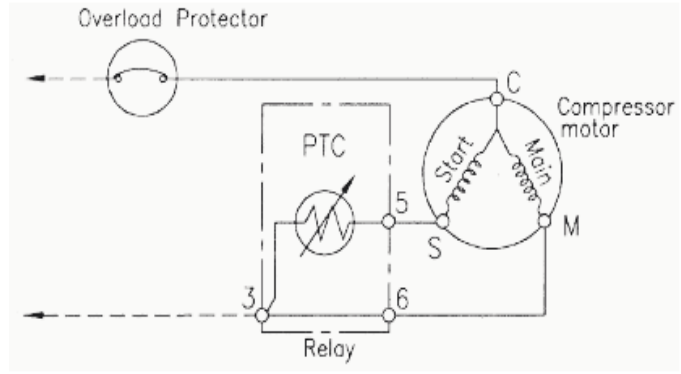
## One way Packing

for domestic and export.

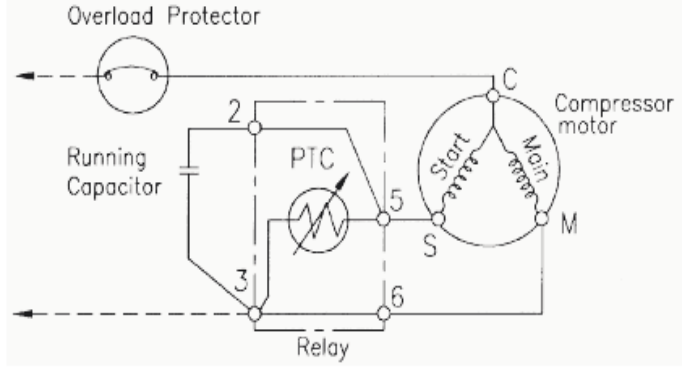


Comp. Height (mm)	H(mm)	Layer	Quantity (Pcs.)
156 ~ 195	1025	5	100 Pcs
	1095	5	100 Pcs
195 ~ 216	977	4	80 Pcs
	1035	4	80 Pcs

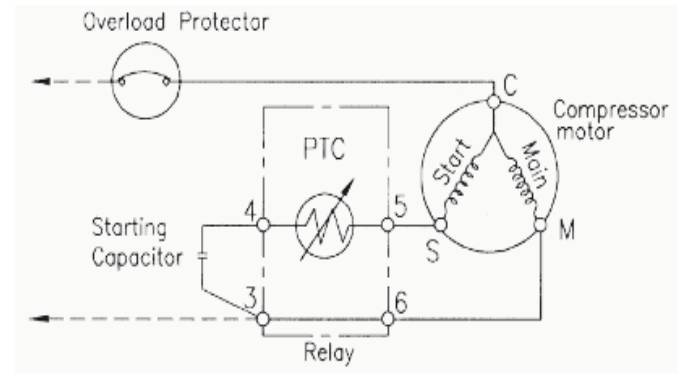
# ELECTRIC WIRING DIAGRAM



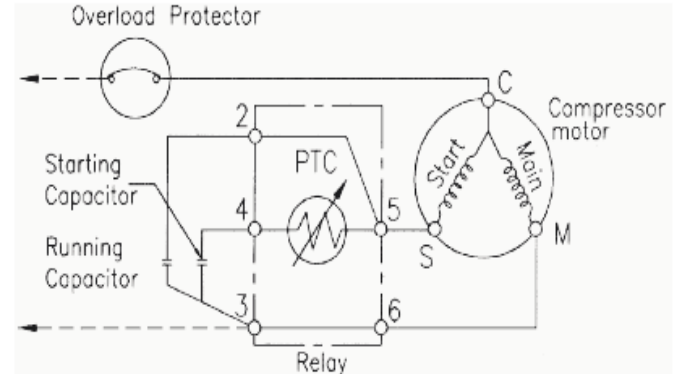
RSIR



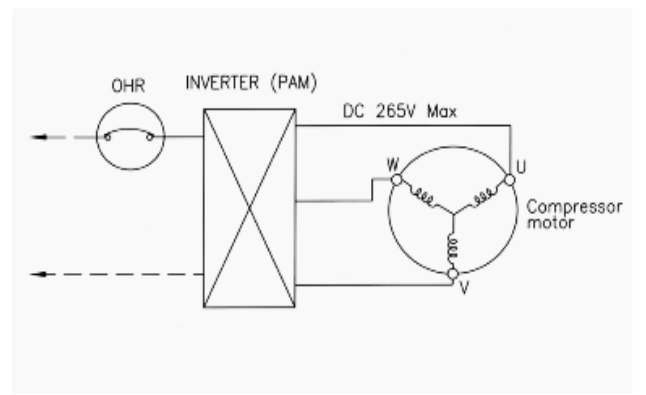
RSCR



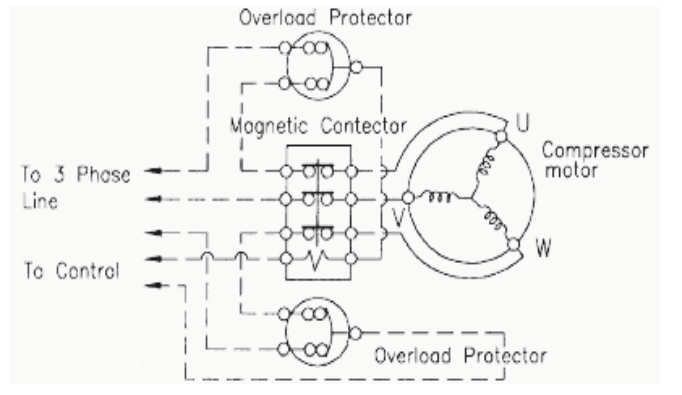
CSIR



CSR



INVERTER



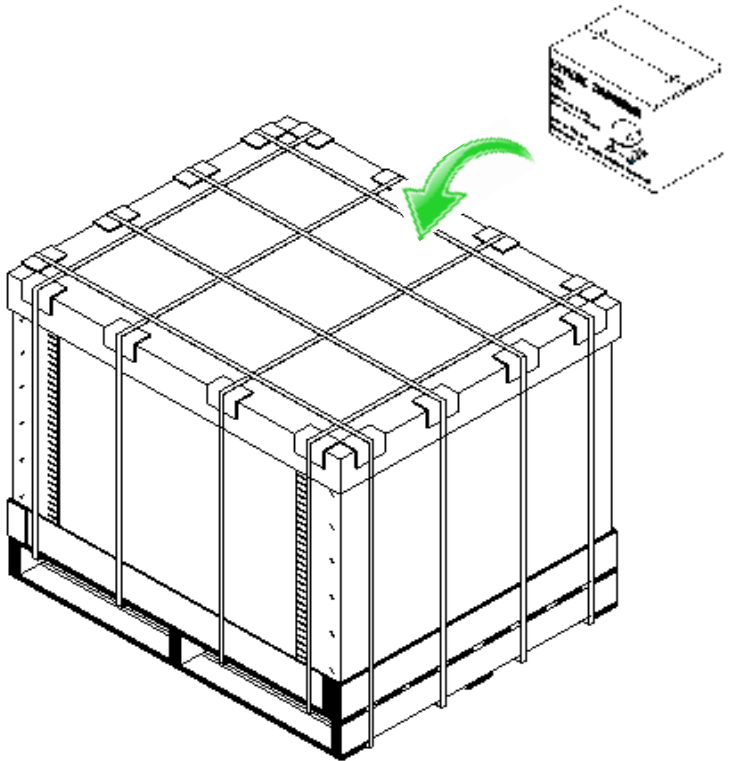
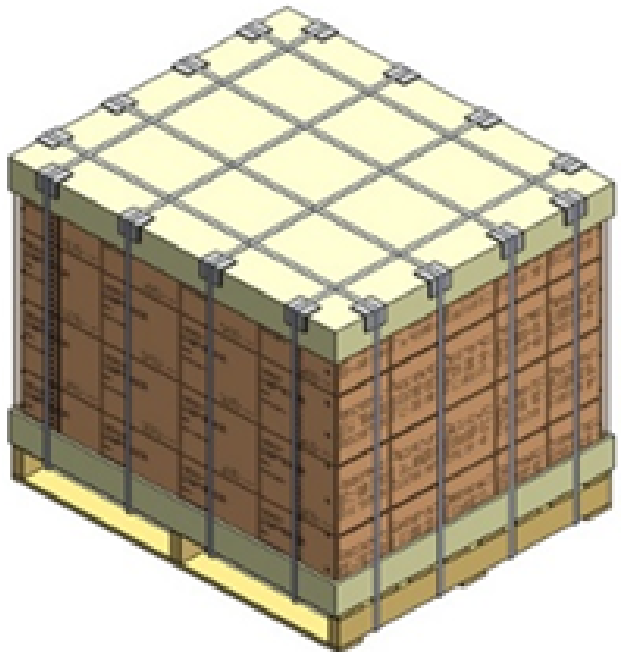
IR

INTRODUCTION PRODUCT SERIES

H Series  
X Series



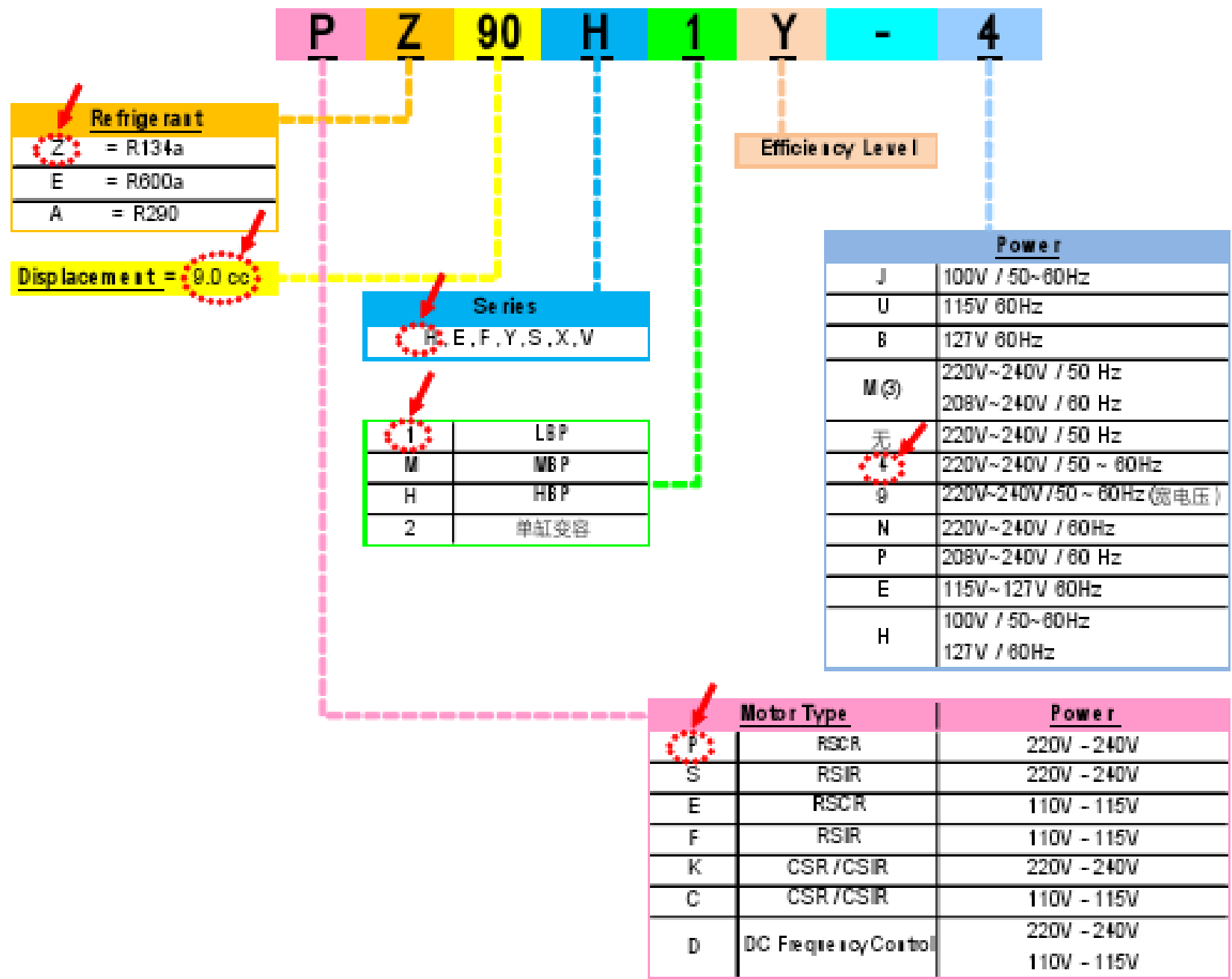
**One by one Packing**  
for domestic  
and export.



CARTON BOX GROUP	COM. HIG. (mm)	F (mm)	L (mm)	Layer	Quantity (Pcs)
A	185	345	510	4	80
B	177	108	1,029	4	80
C	185	218	1,179	4	80



# PRODUCT NAMING RULES H , X Series



**PZ90H1Y-4 = Circuit RSCR , Refrigerant R600a , 9.0cc , LBP , Power 220V-240V 50 Hz**

# INTRODUCTION PRODUCT SERIES

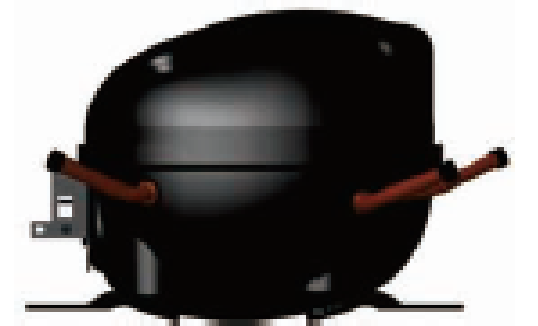
## H Series

Ultra-efficient, low noise, low vibration and wide cooling capacity range , good matching using refrigerant R600a,R134a and R290 , the cooling capacity is from 80W to 410W.



## X Series

Ultra-small form factor , wide speed range, low noise, low vibration , Using refrigerant R600a, the cooling capacity range is from 40W to 220W





## PRODUCT PERFORMANCE AND

Series	Model	Displac. (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R600a LBP FIXED SPEED

220V~240V/50Hz & 208V ~ 240V/60Hz

H	P255HI2M	5.5	ST	RSCR	220V~240V/50Hz	100	86	341	1.76	6.01	CB	Al	178
					208V~240V/60Hz	116	100	396	1.81	6.18			
	P255HIW-M	5.5	ST	RSCR	220V~240V/50Hz	116	100	396	1.90	6.48	CB	Cu	178
					208V~240V/60Hz	148	127	505	1.95	6.65			
	P280HIY-3	8.0	ST	RSCR	220V~240V/50Hz	150	129	512	1.82	6.21	-	Al	178
					208V~240V/60Hz	174	150	593	1.84	6.28			
	P290HIY-4	9.0	ST	RSCR	220V~240V/50Hz	170	146	580	1.82	6.21	CB	Al	178
					208V~240V/60Hz	192	165	655	1.82	6.21			
	P299HIY-5	9.9	ST	RSCR	220V~240V/50Hz	188	162	641	1.83	6.24	CB	Al	178
					208V~240V/60Hz	220	189	750	1.85	6.31			
	P2110HIY-6	11.0	ST	RSCR	208V~240V/60Hz	230	198	784	1.74	5.94	-	Al	178

### R600a LBP FIXED SPEED

220V~240V/50Hz (Wide Voltage)

H	P250HIA-9	5.0	ST	RSCR	220V/50Hz	85	73	290	1.75	5.97	CB	Al	178
	P255HIY-9	5.5	ST	RSCR	220V/50Hz	100	86	341	1.85	6.31	-	Al	178
	P265HIA-9	6.5	ST	RSCR	220V/50Hz	115	99	392	1.72	5.87	CB	Al	178
	P265HIY-9	6.5	ST	RSCR	220V/50Hz	115	99	392	1.85	6.31	-	Al	178
	P265HIX-9	6.5	ST	RSCR	220V/50Hz	116	100	396	1.88	6.41	CB	Cu	178
	P275HIY-9	7.5	ST	RSCR	220V/50Hz	145	125	494	1.83	6.24	-	Al	178
	S280HIH-9	8.0	ST	RSIR	220V/50Hz	146	126	498	1.39	4.74	-	Al	164
	P280HIY-9	8.0	ST	RSCR	220V/50Hz	150	129	512	1.82	6.21	-	Al	178
	P290HI29	9.0	ST	RSCR	220V/50Hz	162	139	552	1.78	6.07	CB	Al	178
	P290HIY-9	9.0	ST	RSCR	220V/50Hz	165	142	563	1.82	6.21	-	Al	178
	S299HIH-9	9.9	ST	RSIR	220V/50Hz	178	153	607	1.45	4.95	-	Al	164
	P299HIE-9	9.9	ST	RSCR	220V/50Hz	178	153	607	1.52	5.19	-	Cu	170
	P299HIY-9	9.9	ST	RSCR	220V/50Hz	178	153	607	1.80	6.14	-	Al	178

### R600a LBP FIXED SPEED

220V~240V/50~60Hz

H	P280HI24	8.0	ST	RSCR	220V/50Hz	150	129	512	1.75	5.97	-	Al	178
					220V/60Hz	174	150	593	1.83	6.24			
	P290HI2-4	9.0	ST	RSCR	220V/50Hz	165	142	563	1.82	6.21	-	Al	178
					220V/60Hz	195	168	665	1.84	6.28			

Series	Model	Displac. (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R600a LBP FIXED SPEED

220V~240V/50Hz

H	P280HI X	8.0	ST	RSCR	220V/50Hz	147	126	501	1.88	6.41	-	Al	175
	P280HI W	8.0	ST	RSCR	220V/50Hz	147	126	501	1.93	6.59	-	Al	175
	P280HI V	8.0	ST	RSCR	220V/50Hz	147	126	501	1.97	6.72	-	Cu	178
	P285HI H	8.5	ST	RSCR	220V/50Hz	165	142	563	1.55	5.29	CCC VDE	Al	178
	P285HI X	8.5	ST	RSCR	220V/50Hz	165	168	663	1.90	6.48	VDE	Al	178
	P290HI Z	9.0	ST	RSCR	220V/50Hz	170	146	580	1.78	6.07	CCC VDE	Al	170
	P290HI Y	9.0	ST	RSCR	220V/50Hz	170	146	580	1.88	6.41	CCC VDE	Al	178
	P290HI W	9.0	ST	RSCR	220V/50Hz	170	146	580	1.93	6.59	-	Al	178
	P290HI V	9.0	ST	RSCR	220V/50Hz	167	144	569	1.98	6.76	-	Cu	178
	S299HI H	9.9	ST	RSIR	220V/50Hz	185	159	631	1.49	5.08	CCC VDE	Al	170
	P299HI C	9.9	ST	RSCR	220V/50Hz	185	159	631	1.67	5.70	CCC VDE	Al	170
	P299HI Z	9.9	ST	RSCR	220V/50Hz	185	159	631	1.83	6.24	-	Al	178
	P299HI Y	9.9	ST	RSCR	220V/50Hz	185	159	631	1.88	6.41	CCC VDE	Al	178
	P299HI X	9.9	ST	RSCR	220V/50Hz	185	159	631	1.90	6.48	CCC	Al	178
	P299HI W	9.9	ST	RSCR	220V/50Hz	180	155	614	1.92	6.55	CCC	Cu	178
	S2110HI H	11.0	ST	RSIR	220V/50Hz	195	168	665	1.50	5.12	CCC VDE	Al	170
	P2110HI D	11.0	ST	RSCR	220V/50Hz	197	169	672	1.68	5.73	VDE	Al	178
	P2110HI A	11.0	ST	RSCR	220V/50Hz	193	166	658	0.78	2.66	CCC VDE	Al	178
	P2110HI Y	11.0	ST	RSCR	220V/50Hz	193	166	658	1.85	6.31	CCC VDE	Al	178
	P2110HI W	11.0	ST	RSCR	220V/50Hz	193	166	658	1.92	6.55	CCC VDE	Cu	178

### R600a LBP FIXED SPEED

220V~240V/60Hz

H	P265HIY-N	6.5	ST	RSCR	220V~240V/60Hz	130	112	443	1.85	6.31	-	Al	178
	P275HIY-N	7.5	ST	RSCR	220V~240V/60Hz	155	133	529	1.85	6.31	-	Al	179



## PRODUCT PERFORMANCE AND PARAMETERS

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R600a LBP FIXED SPEED 115V/60Hz

H	EZ75H1X-U	7.5	ST	RSCR	115V/60Hz	156	134	532	1.92	6.55	UL	AI	178
	EZ75H1V-U	7.5	ST	RSCR	115V/60Hz	168	144	573	1.97	6.72	-	Cu	178
	EZ80H1A-U	8	ST	RSCR	115V/60Hz	173	149	590	1.77	6.04	UL	AI	174
	EZ80H1Y-U	8	ST	RSCR	115V/60Hz	170	146	580	1.85	6.31	-	AI	178
	EZ80H1Z-U	8	ST	RSCR	115V/60Hz	175	151	597	1.88	6.41	UL	Cu	178
	EZ80H1W-U	8	ST	RSCR	115V/60Hz	170	146	580	1.94	6.62	UL	AI	178
	EZ80H1V-U	8	ST	RSCR	115V/60Hz	170	146	580	1.96	6.69	UL	Cu	178
	FZ85H1D-U	8.5	ST	RSIR	115V/60Hz	185	159	631	1.62	5.53	UL	AI	170
	EZ85H1Z-U	8.5	ST	RSIR	115V/60Hz	185	159	631	1.85	6.31	-	AI	178
	EZ90H1H-U	9	ST	RSCR	115V/60Hz	190	163	648	1.40	4.78	-	AI	170
	EZ90H1D-U	9	ST	RSCR	115V/60Hz	192	165	655	1.65	5.63	UL	AI	178
	EZ90H1A-U	9	ST	RSCR	115V/60Hz	195	168	665	1.78	6.07	-	AI	178
	EZ90H1Y-U	9	ST	RSCR	115V/60Hz	195	168	665	1.90	6.48	-	Cu	178
	EZ90H1W-U	9	ST	RSCR	115V/60Hz	195	168	665	1.95	6.65	-	Cu	178
	EZ90H1V-U	9	ST	RSCR	115V/60Hz	193	166	658	1.97	6.72	UL	Cu	178
FZ99H1D-U	9.9	ST	RSIR	115V/60Hz	209	180	713	1.65	5.63	UL	AI	178	
EZ99H1Y-U	9.9	ST	RSCR	115V/60Hz	214	184	730	1.83	6.24	UL	AI	178	
EZ99H1V-U	9.8	ST	RSCR	115V/60Hz	215	185	733	1.97	6.72	-	Cu	178	

### R600a LBP FIXED SPEED 127V/60Hz

H	EZ110H1B-B	11.0	ST	RSCR	127V/60Hz	225	194	767	1.70	5.80	CB	AI	178
	EZ65H1X-U	6.5	ST	RSCR	115V/60Hz	134	115	457	1.90	6.48	UL	AI	178
	EZ65H1W-U	6.5	ST	RSCR	115V/60Hz	137	118	467	1.92	6.55	-	Cu	178
	EZ75H1Y-U	7.5	ST	RSCR	115V/60Hz	155	133	529	1.88	6.00	-	AI	178

### R290 LBP FIXED SPEED 220V~240V/50Hz

H	PA60H1B	5.0	ST	RSCR	220-240V/50Hz	240	206	818	1.70	5.80	-	Cu	178
	PA69H1B	5.9	Fan	RSCR	220-240V/50Hz	290	249	989	1.70	5.80	-	Cu	178

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Power frequency	ASHRAE (-23.3 / 54.4 / 32.2 °C)					Certification	Motor Description	Shell height
						Cooling Capacity			COP				
						W	Kcal/h	Btu/h	W/W	Btu/Wh			

### R600a LBP FIXED SPEED 220V~240V/50~60Hz

H	QZ99H1H-4	9.9	ST	RSIR	220V/50Hz	181	156	617	1.51	5.15	-	AI	178
		220V/60Hz	211	181	720	1.65	5.63						
	PZ99H1C-4	9.9	ST	RSCR	220V/50Hz	182	157	621	1.62	5.53	CB	AI	178
		220V/60Hz	213	183	726	1.73	5.90						
	PZ99H1Y-4	9.9	ST	RSCR	220V/50Hz	180	155	614	1.80	6.14	-	AI	178
		220V/60Hz	213	183	726	1.83	6.24						

### R600a LBP FIXED SPEED 100V/50~60Hz

H	EZ55H1Z-J	5.5	ST	RSCR	220V/50Hz	99	85	338	1.80	6.14	-	AI	170
		220V/60Hz	115	99	392	1.83	6.24						
	EZ75H1A-J	7.5	ST	RSCR	220V/50Hz	135	116	460	1.73	5.90	-	AI	178
		220V/60Hz	155	133	529	1.78	6.07						
	EZ80H1C-J	8.0	ST	RSCR	220V/50Hz	137	118	467	1.20	4.09	-	AI	178
		220V/60Hz	168	144	573	1.40	4.78						
	FZ80H1Y-J	8.0	ST	RSIR	220V/50Hz	150	129	512	1.67	5.70	-	Cu	178
		220V/60Hz	170	146	580	1.70	5.80						
	FZ80H1F-J	9.0	ST	RSIR	220V/50Hz	170	146	580	1.40	4.78	-	AI	170
		220V/60Hz	190	163	648	1.50	5.12						
	EZ99H1D-J	9.9	ST	RSCR	220V/50Hz	209	180	713	1.50	5.12	-	AI	178
		220V/60Hz	239	206	815	1.69	5.77						

### R600a LBP FIXED SPEED 115V/60Hz

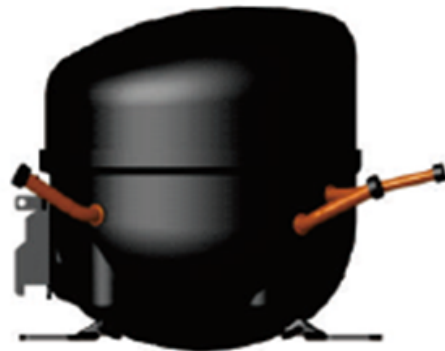
H	EZ30H1Z-U	5.0	ST	RSCR	115V/60Hz	98	84	334	1.80	6.14	-	AI	178
		FZ30H1D-U	5.5	ST	RSIR	115V/60Hz	115	99	392	1.64			
	EZ30H1Y-U	5.5	ST	RSCR	115V/60Hz	115	99	392	1.82	6.21	UL	AI	178
		EZ30H1X-U	5.5	ST	RSCR	115V/60Hz	115	99	392	1.90			
	EZ30H1V-U	5.5	ST	RSCR	115V/60Hz	122	105	416	1.95	6.65	-	AI	178
		EZ65H1A-U	6.5	ST	RSCR	115V/60Hz	137	118	467	1.75			
	EZ65H1Z-U	6.5	ST	RSCR	115V/60Hz	137	118	467	1.83	6.24	-	AI	178
		EZ65H1Y-U	6.5	ST	RSCR	115V/60Hz	137	118	467	1.88			
	EZ65H1X-U	6.5	ST	RSCR	115V/60Hz	134	115	457	1.90	6.48	UL	AI	178
		EZ65H1W-U	6.5	ST	RSCR	115V/60Hz	137	118	467	1.92			
	EZ75H1Y-U	7.5	ST	RSCR	115V/60Hz	155	133	529	1.88	6.41	-	AI	178



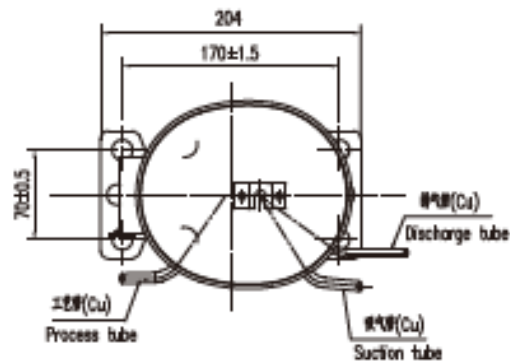
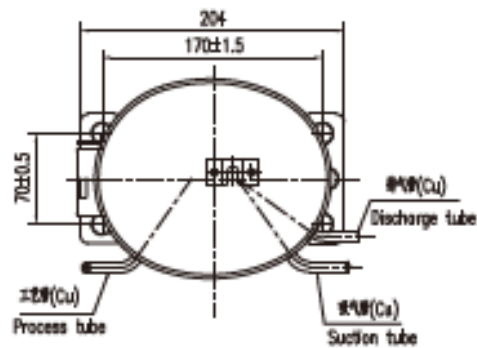
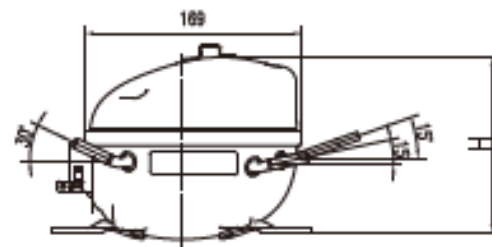
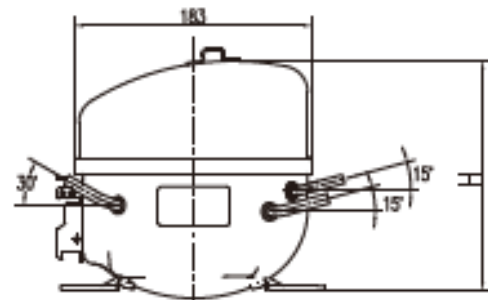
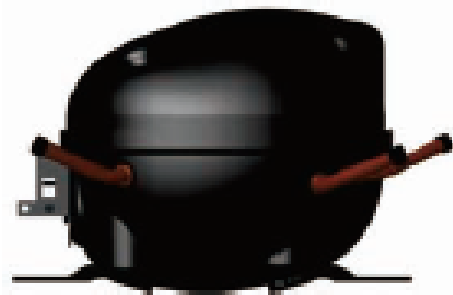
# OUTLINE DRAWING OF COMPRESSOR

Series	Height (mm)
H	170 / 178
X	130 / 142

H Series



X Series



# PRODUCT PERFORMANCE AND PARAMETERS

Series	Model	Displac (cm <sup>3</sup> )	Cooling Type	Motor Type	Cooling Capacity														Certification	Motor Description	Shell height
					Rating point		ASHRAE														
					23.3C/54.4C		(W) cooling capacity														
					W	ODP	(°C) Evaporating temperature														
W	W/W	-40C	-35C	-30C	-25C	-20C	-15C	-10C	-5C	0C	5C	10C									

## R290 LMBP Light Commercial

220V~240V/50Hz

H	PA65H 1C	6.5	Fan	RSCR	LBP	324	1.62	135	180	233	300	372	463	-	-	-	-	-	CCC	Al	178	
	PA65H 1B	6.5	Fan	RSCR	LBP	324	1.70	135	180	233	300	372	463	-	-	-	-	-	-	Cu	178	
	PA70H 1E	7.0	Fan	RSCR	LBP	340	1.55	142	189	245	315	391	488	-	-	-	-	-	-	Al	178	
	GA75H 1J	7.5	Fan	RSCR	LBP	370	1.30	154	206	266	343	425	529	-	-	-	-	-	-	Al	178	
	PA80H 1C	8.0	Fan	RSCR	LBP	395	1.53	165	219	284	366	454	564	-	-	-	-	-	CCC / CB	Al	178	
	PA80H 1E	9.0	Fan	RSCR	LBP	455	1.50	185	247	320	421	523	650	-	-	-	-	-	-	Cu	178	
	PA45H R.A.	4.5	Fan	CSR	LMBP	205	1.50	85	114	147	190	238	293	360	446	539	-	-	-	-	Al	178
	PA50H R.A.	5.0	Fan	CSR	LMBP	245	1.50	102	136	176	227	282	350	430	533	645	-	-	-	-	Cu	178
	PA55H R.A.	5.5	Fan	CSR	LMBP	295	1.50	110	148	185	255	320	405	480	630	720	-	-	CCC / TUV	Al	178	
	PA65H R.A.	6.5	Fan	CSR	LMBP	323	1.50	126	163	229	293	370	458	546	693	786	-	-	-	-	Al	178
	PA80H R.A.	8.0	Fan	CSR	MBP	395	1.50	-	-	-	-	449	544	655	802	901	-	-	-	TUV	Cu	178
	PA90H R.A.	9.0	Fan	CSR	MBP	445	1.50	-	-	-	-	490	614	719	906	1018	-	-	-	TUV	Cu	178
PA95H R.A.	9.5	Fan	CSR	MBP	475	1.50	-	-	-	-	535	618	753	892	1085	-	-	-	TUV	Cu	178	

## R290 LMBP Light Commercial

220V~240V / 50/60Hz

H	PA65H 1E-4	6.5	Fan	RSCR	LBP	324	1.55	135	180	233	300	372	-	-	-	-	-	-	-	Cu	178
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## R290 LMBP Light Commercial

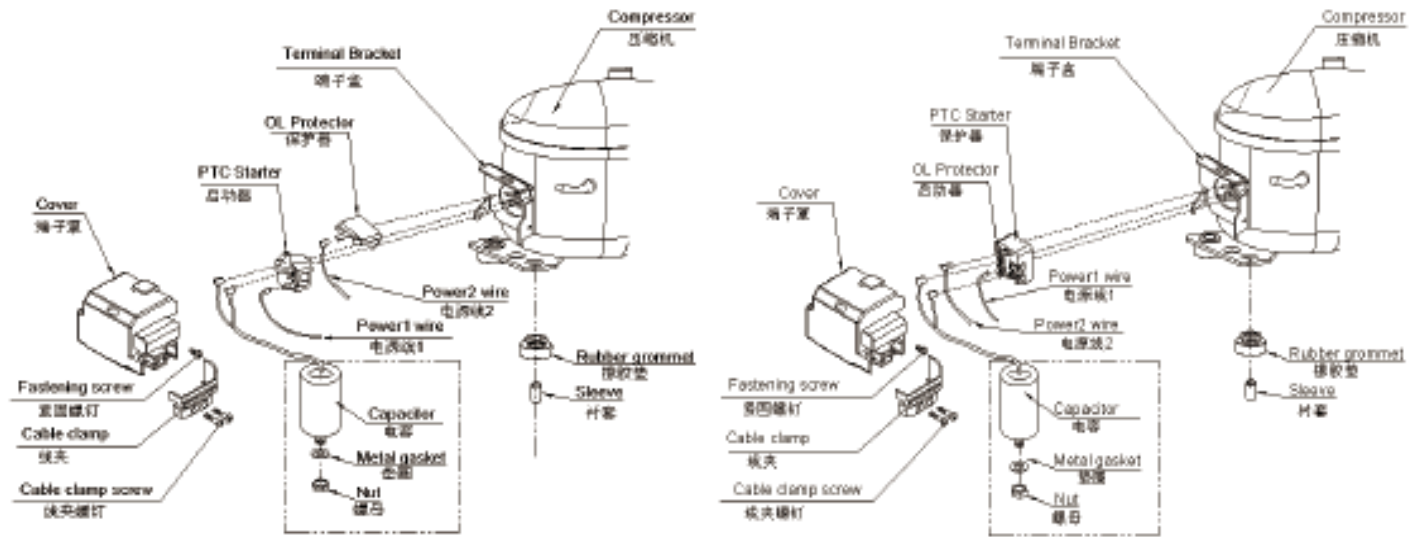
115V / 60Hz

H	EA55H 1B	5.5	Fan	RSCR	LBP	330	1.60	138	183	237	306	379	471	579	717	868	-	-	-	Al	178
	EA65H 1A	5.5	Fan	RSCR	LBP	330	1.75	138	183	237	306	379	471	579	717	868	-	-	-	Cu	178
	EA65H 1E	6.5	Fan	RSCR	LBP	370	1.55	154	206	266	343	425	529	649	804	974	-	-	-	Al	178
	EA65H 1B	6.5	Fan	RSCR	LBP	370	1.70	154	206	266	343	425	529	649	804	974	-	-	-	Cu	178
	EA70H 1B	7.0	Fan	RSCR	LBP	400	1.60	167	222	288	370	460	571	702	870	1053	-	-	-	Cu	178
	EA45H R.A.	4.5	Fan	RSCR	LMBP	260	1.50	65	95	150	215	275	360	435	575	650	-	-	-	Al	178
	EA50H R.A.	5.0	Fan	CSR	LMBP	300	1.50	98	128	185	250	315	400	482	628	720	-	-	-	Al	178
	EA55H R.A.	5.5	Fan	CSR	LMBP	345	1.50	150	188	255	320	380	470	558	730	820	-	-	-	Cu	178
EA65H R.A.	6.5	Fan	CSR	LMBP	375	1.50	175	215	280	345	425	515	605	755	850	-	-	-	Cu	178	

# INSTALLATION OF ACCESSORIES

Assembly Cable clamp type terminal box Motor type : RSCR

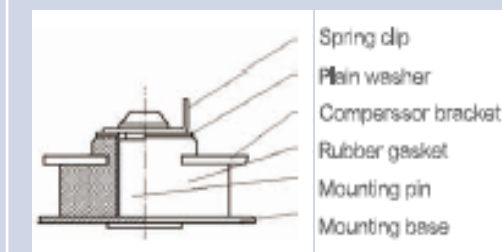
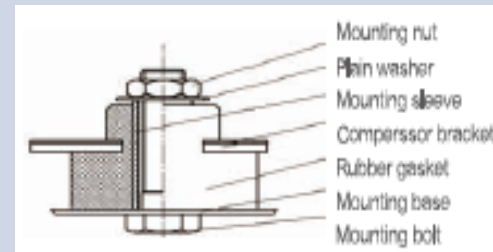
H Series



# MOUNTING OF COMPRESSOR

TYPE 3

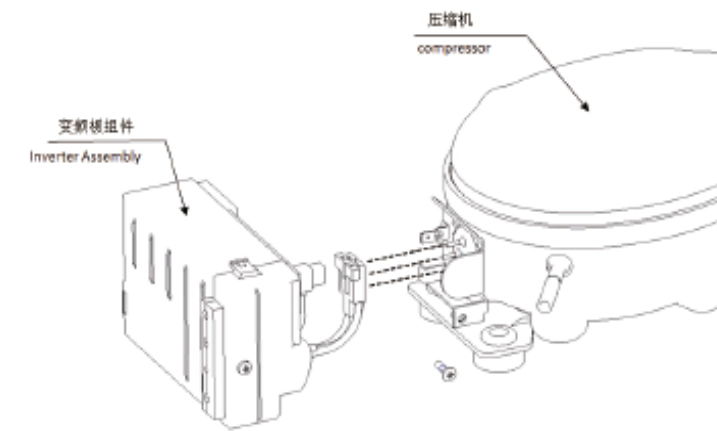
TYPE 4



# INSTALLATION OF ACCESSORIES

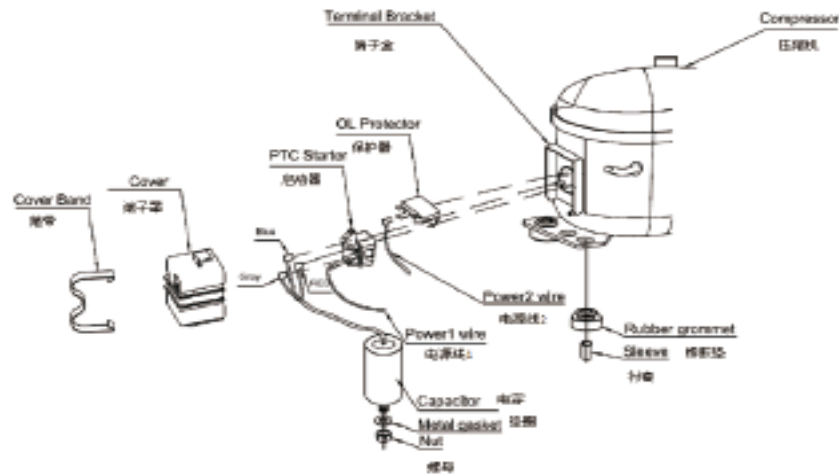
Assembly Control board Motor Type BLDC

X Series



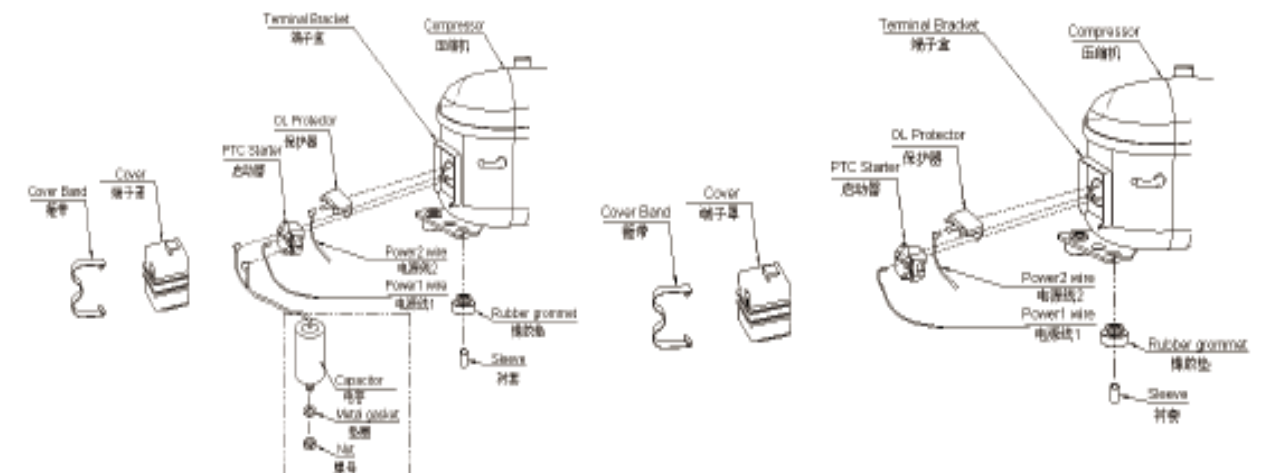
Assembly cover band type terminal box Motor type : CSR

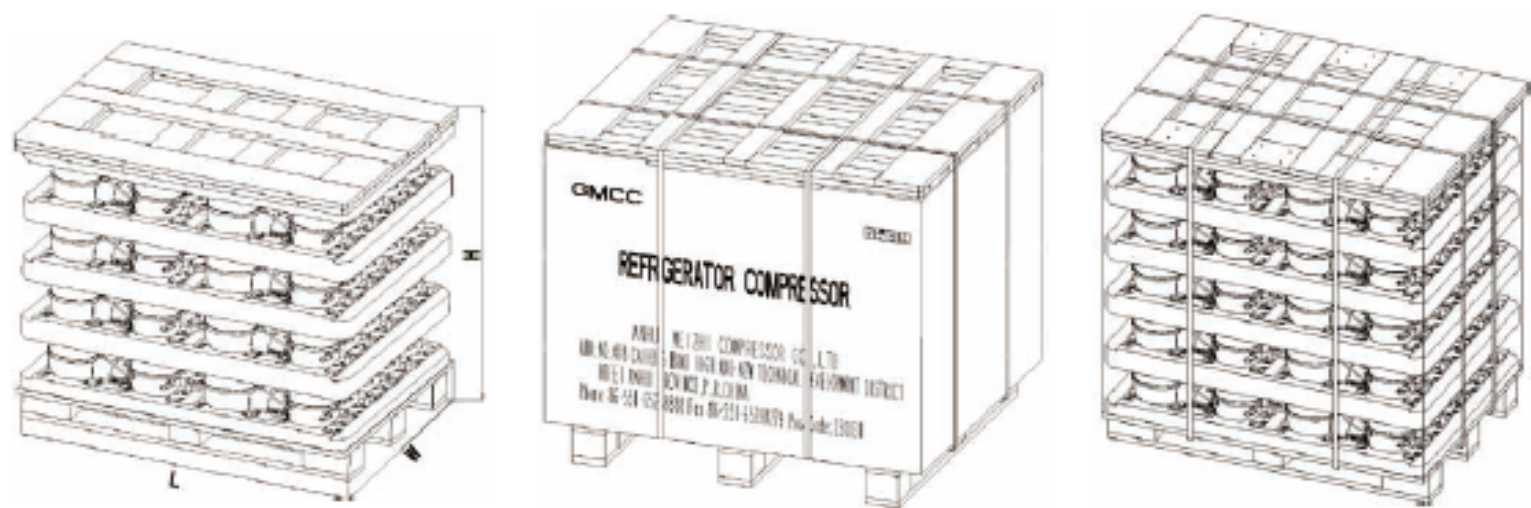
H Series



Assembly Cover band type terminal box Motor type : RSCR/RSIR

H Series





外形尺寸  
External dimensions

出口包装  
Export Packing

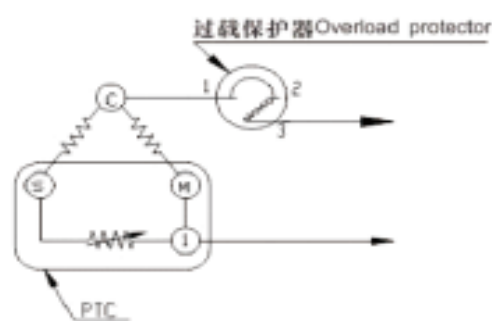
内销包装  
Packing for domestic sale

产品系列 Product Series	外形尺寸 External Dimensions			包装层数 No. of Layers	包装数量(台) Quantity (Unit)	毛重 Gross Weight (kg)
	L (mm)	W (mm)	H (mm)			
S 系列 S series	1100	920	909	7	168	620~680
Q/L 系列 Q/L series	1100	920	980/1200	3/4	54/72	600~975
H/V/X 系列 H/V/X series	1100	920	1027/1200	4/5	96/100/120	471~1056
E/F/Y 系列 E/F/Y series	1100	920	1120/1190	4/5	112/120/140	520~920

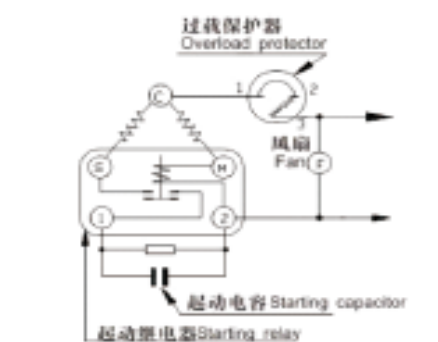
备注 Remarks:

出口包装单包层数根据货柜尺寸及载重要求确定。  
The number of layers of a single package for export packing is to be determined according to the dimensions of the container and load carrying requirements.

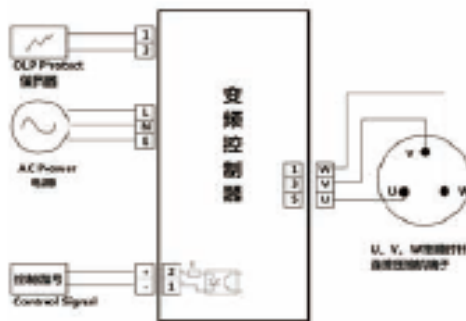
RSIR



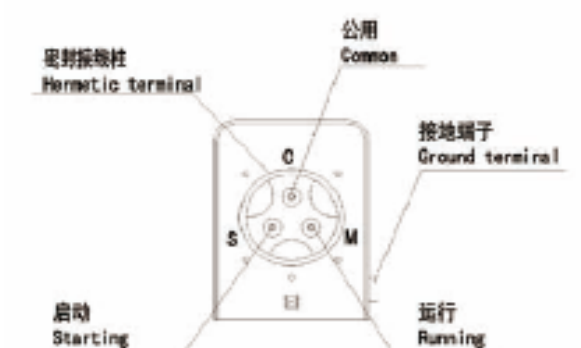
CSIR



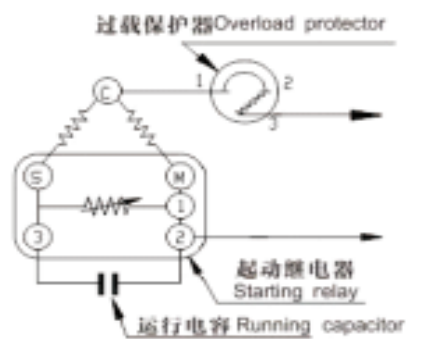
PMSM 直流变频 (电控)



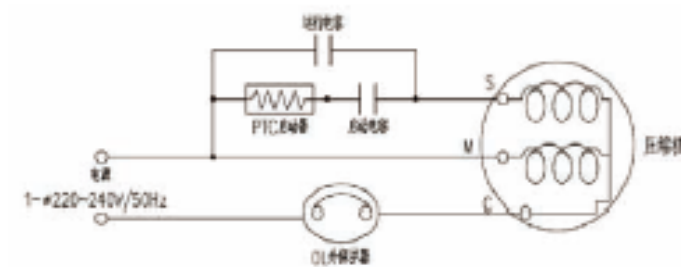
端子接线说明



RSCR



CSR



PMSM 直流变频 (机控)

