DAEWOO ELECTRONICS

Maximizing Power of Innovation and Creativity

COMPRESSOR

Hermetic

Model Identification

H E L 23 YG - 3 B
① ② ③ ④ ⑤ ⑥ ⑦

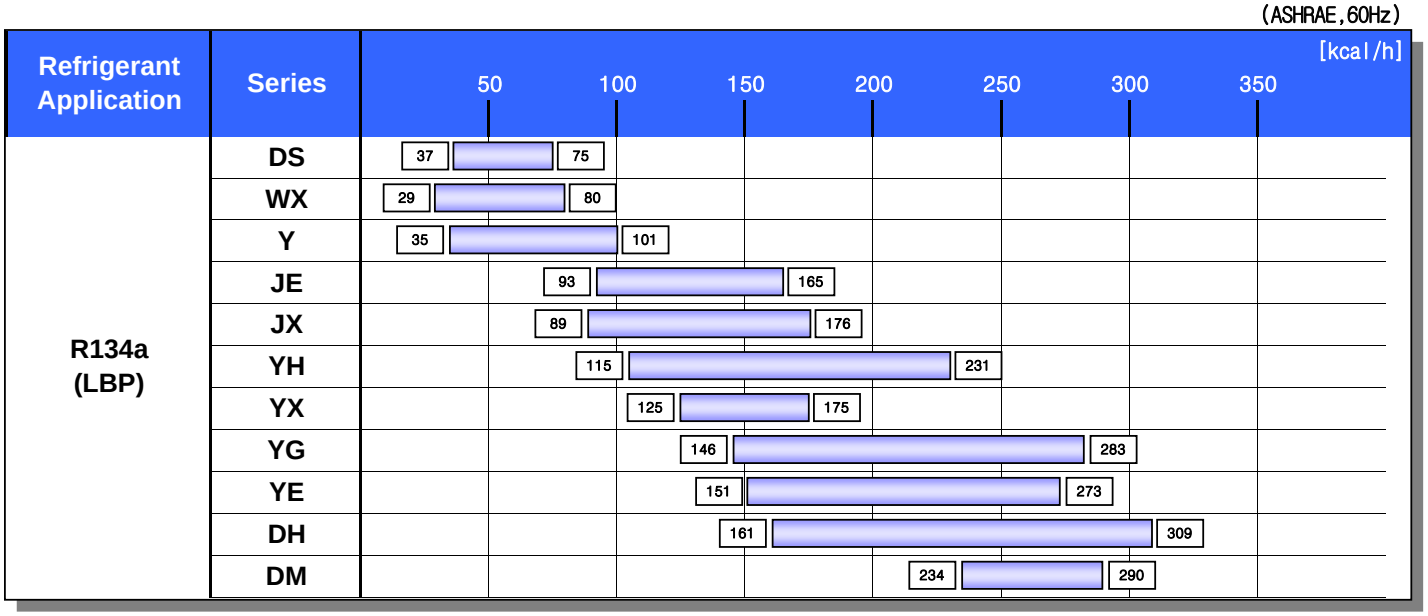
NO	CONTENTS						
①	Refrigerant			H : R134a			
				No marking : R12			
②	Motor type	PTC	100V Series	F : RSIR	E : RSCR	C : CSIR	B : CSR
			220V Series	S : RSIR	P : RSCR	K : CSIR	D : CSR
		C-relay	100V Series	R : RSIR	N : CSIR		
			220V Series	T : RSIR	G : CSIR		
③	Application			L : L B P			
				H : H B P			
④	Grade of Cooling Capacity			(reference : table of "6, capacity range)			
⑤	Series name			JE Y YE YH			
⑥	Voltage & Frequency			No marking : 100V 50/60Hz		5 : 220-240V 50Hz	
				1 : 110-115V 60Hz		8 : 220-240V 50Hz / 220V 60Hz	
				2 : 127V 60Hz		9 : 110V 50Hz	
				4 : 220V 60Hz			
⑦	Improvedata order						

JX 51 L H P - 4 B
① ② ③ ④ ⑤ ⑥ ⑦

NO	CONTENTS						
①	Series name			DS DH JX WX YX			
②	Displacement			x10 (cc/rev)			
③	Application			L : L B P			
				H : H B P			
④	Refrigerant			H : R134a			
				No marking : R12			
⑤	Motor type	PTC	100V Series	F : RSIR	E : RSCR	C : CSIR	B : CSR
			220V Series	S : RSIR	P : RSCR	K : CSIR	D : CSR
		C-relay	100V Series	R : RSIR	N : CSIR		
			220V Series	T : RSIR	G : CSIR		
⑥	Voltage & Frequency			0 : 100V 50/60Hz		5 : 220-240V 50Hz	
				1 : 110-115V 60Hz		8 : 220-240V 50Hz / 220V 60Hz	
				2 : 127V 60Hz		9 : 110V 50Hz	
				4 : 220V 60Hz			
⑦	Improvedata order						

Cooling Capacity

(ASHRAE,60Hz)



Units & Conversions

Multiply	By	To Obtain
kcal/h	1.163	W
kcal/h	3.968	Btu/h
EER	0.293	COP
To Obtain	By	Divide

R134a LBP

100V / 50Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [kg]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
DS	DS25LHF0	2.54	71	49	57	194	1.45	0.80	2.74	RSIR	ST	6.0	180
	DS30LHF0	3.06	85	60	70	238	1.42	0.82	2.80	RSIR	ST	6.0	180
WX	WX20LHF0T	2.01	70	29	34	115	2.41	0.48	1.64	RSCR	ST	5.9	180
	WX24LHF0	2.54	69	41	48	163	1.68	0.69	2.36	RSIR	ST	5.9	180
	WX24LHF0T	2.54	72	38	44	151	1.89	0.61	2.09	RSIR	ST	5.9	180
	WX30LHF0	3.06	77	57	66	226	1.35	0.86	2.94	RSIR	ST	5.9	180
	WX30LHF0T	3.06	115	53	62	210	2.17	0.54	1.83	RSIR	ST	5.9	180
Y	HFL9Y	3.43	79	51	59	202	1.55	0.75	2.56	RSIR	ST	6.7	230
	HFL11Y	4.51	111	76	88	302	1.46	0.80	2.72	RSIR	ST	7.0	230
	HFL5Y	2.29	67	36	42	143	1.86	0.62	2.13	RSIR	ST	6.7	230
	HFL7Y	2.65	83	50	58	198	1.66	0.70	2.39	RSIR	ST	6.7	230
JE	HEL15JE	5.12	121	112	130	444	1.08	1.08	3.67	RSCR	ST/FC	7.7	230
JX	JX46LHF0	4.62	108	106	123	421	1.02	1.14	3.89	RSIR	ST/FC	8.0	230
	JX58LHC0	5.84	154	147	171	583	1.05	1.11	3.79	RSIR	ST/FC	8.3	230
	JX58LHE0	5.84	137	145	169	575	0.94	1.23	4.20	RSCR	ST/FC	8.3	230
	JX58LHF0	5.84	154	147	171	583	1.05	1.11	3.79	RSIR	ST/FC	8.3	230
YH	HEL15YH	5.12	101	115	134	456	0.88	1.32	4.52	RSCR	ST/OC/FC	9.2	290
	HEL17YH	5.55	117	130	151	516	0.90	1.29	4.41	RSCR	ST/OC/FC	9.2	290
	HEL21YH	6.73	150	154	179	611	0.97	1.19	4.07	RSCR	ST/OC/FC	9.5	290
YX	YX58LHE0	5.84	113	142	166	565	0.79	1.46	4.99	RSCR	ST/OC/FC	8.8	290
YG	HEL21YG	6.73	145	146	170	579	0.99	1.17	4.00	RSCR	ST/OC/FC	9.5	290
YE	HBL23YE	7.03	155	160	186	635	0.97	1.20	4.10	CSR	ST/OC/FC	9.3	290
	HBL27YE	8.69	248	198	230	786	1.25	0.93	3.17	CSR	ST/OC/FC	9.5	290
	HCL25YE	7.68	222	182	212	722	1.22	0.95	3.25	CSIR	ST/OC/FC	9.5	290
	HCL27YE	8.69	236	201	234	798	1.17	0.99	3.38	CSIR	ST/OC/FC	9.5	290
DM	DM99LHB0	9.92	248	234	272	929	1.06	1.10	3.74	CSIR	FC	9.7	290

Test Condition(ASHRAE) LBP

1. Evaporating temperature : −23 ℃ (−10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

R134a LBP

100V / 60Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [kg]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
DS	DS25LHF0	2.54	73	58	67	230	1.26	0.92	3.15	RSIR	ST	6.0	180
	DS30LHF0	3.06	87	72	84	286	1.21	0.96	3.28	RSIR	ST	6.0	180
WX	WX20LHF0T	2.01	63	35	41	139	1.80	0.65	2.20	RSCR	ST	5.9	180
	WX24LHF0	2.54	70	51	59	202	1.37	0.85	2.89	RSIR	ST	5.9	180
	WX24LHF0T	2.54	70	51	59	202	1.37	0.85	2.89	RSIR	ST	5.9	180
	WX30LHF0	3.06	81	65	76	258	1.25	0.93	3.18	RSIR	ST	5.9	180
	WX30LHF0T	3.06	98	62	72	246	1.58	0.74	2.51	RSIR	ST	5.9	180
Y	HEL9Y	3.43	76	59	69	234	1.29	0.90	3.08	RSCR	ST	6.7	230
	HFL5Y	2.29	69	45	52	179	1.53	0.76	2.59	RSIR	ST	6.7	230
	HFL7Y	2.65	81	57	66	226	1.42	0.82	2.79	RSIR	ST	6.7	230
	HFL9Y	3.43	86	65	76	258	1.32	0.88	3.00	RSIR	ST	6.7	230
	HFL11Y	4.51	115	94	109	373	1.22	0.95	3.24	RSIR	ST	7.0	230
JE	HEL15JE	5.12	131	134	156	532	0.98	1.19	4.06	RSCR	ST/FC	7.7	230
JX	JX46LHF0	4.62	122	128	149	508	0.95	1.22	4.16	RSIR	ST/FC	8.0	230
	JX58LHC0	5.84	157	175	204	694	0.90	1.30	4.42	RSIR	ST/FC	8.3	230
	JX58LHE0	5.84	146	172	200	683	0.85	1.37	4.67	RSCR	ST/FC	8.3	230
	JX58LHF0	5.84	157	175	204	694	0.90	1.30	4.42	RSIR	ST/FC	8.3	230
YH	HEL15YH	5.12	118	139	162	552	0.85	1.37	4.67	RSCR	ST/OCFC	9.2	290
	HEL17YH	5.55	132	154	179	611	0.86	1.36	4.63	RSCR	ST/OCFC	9.2	290
	HEL21YH	6.73	168	188	219	746	0.89	1.30	4.44	RSCR	ST/OCFC	9.5	290
YX	YX58LHE0	5.84	134	174	202	690	0.77	1.51	5.16	RSCR	ST/OCFC	8.8	290
YG	HEL21YG	6.73	164	179	208	710	0.92	1.27	4.33	RSCR	ST/OCFC	9.5	290
YE	HBL23YE	7.03	174	194	226	770	0.90	1.30	4.42	CSR	ST/OCFC	9.3	290
	HBL27YE	8.69	217	236	274	937	0.92	1.26	4.32	CSR	ST/OCFC	9.5	290
	HCL25YE	7.68	214	217	252	861	0.99	1.18	4.02	CSIR	ST/OCFC	9.5	290
	HCL27YE	8.69	235	238	277	944	0.99	1.18	4.02	CSIR	ST/OCFC	9.5	290
DM	DM99LHB0	9.92	236	278	323	1103	0.85	1.37	4.67	CSIR	FC	9.7	290

Test Condition(ASHRAE) LBP

1. Evaporating temperature : −23 ℃ (−10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

R134a LBP

110-115V / 60Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [㎏]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
DS	DS22LHF1	2.18	58	47	55	187	1.23	0.94	3.22	RSIR	ST	6.0	180
	DS25LHF1	2.54	71	60	70	238	1.18	0.98	3.35	RSIR	ST	6.0	180
	DS30LHF1	3.06	90	75	87	298	1.20	0.97	3.31	RSIR	ST	6.0	180
WX	WX24LHF1	2.54	72	51	59	202	1.41	0.82	2.81	RSIR	ST	5.9	180
	WX24LHF1T	2.54	74	49	57	194	1.51	0.77	2.63	RSIR	ST	5.9	180
	WX30LHF1	3.06	86	67	78	266	1.28	0.91	3.09	RSIR	ST	5.9	180
	WX30LHF1T	3.06	106	67	78	266	1.58	0.73	2.51	RSIR	ST	5.9	180
Y	HFL5Y-1	2.29	65	43	50	171	1.51	0.77	2.63	RSIR	ST	6.7	230
	HFL5Y-1P	2.29	65	43	50	171	1.51	0.77	2.63	RSIR	ST	6.3	230
	HFL7Y-1	2.65	86	59	69	234	1.46	0.80	2.72	RSIR	ST	6.7	230
	HEL9Y-1	3.43	76	59	69	234	1.29	0.90	3.08	RSCR	ST	6.7	230
	HFL9Y-1	3.43	86	60	70	238	1.43	0.81	2.77	RSIR	ST	6.7	230
	HFL11Y-1A	4.51	117	100	116	397	1.17	0.99	3.39	RSIR	ST	7.0	230
	HFL11Y-1	4.51	124	94	109	373	1.32	0.88	3.01	RSIR	ST	6.3	230
	HEL11Y-1A	4.51	110	100	116	397	1.10	1.06	3.61	RSCR	ST	6.7	230
JE	HEL13JE-1	4.62	115	120	140	476	0.96	1.21	4.14	RSCR	ST/FC	7.4	230
	HEL15JE-1	5.12	128	135	157	536	0.95	1.23	4.19	RSCR	ST/FC	7.7	230
	HEL17JE-1C	5.55	142	149	173	591	0.95	1.22	4.16	RSCR	ST/FC	7.7	230
	HEL19JE-1	5.84	148	159	185	631	0.93	1.25	4.26	RSCR	ST/FC	8.2	230
	HFL13JE-1	4.62	121	120	140	476	1.01	1.15	3.94	RSIR	ST/FC	7.4	230
	HFL15JE-1	5.12	147	134	156	532	1.10	1.06	3.62	RSIR	ST/FC	7.7	230
	HFL17JE-1	5.55	155	146	170	579	1.06	1.10	3.74	RSIR	ST/FC	7.7	230
	HFL19JE-1	5.84	186	159	185	631	1.17	0.99	3.39	RSIR	ST/FC	8.2	230
YH	HBL23YH-1	7.03	174	211	245	837	0.82	1.41	4.81	CSR	ST/OC/FC	9.5	290
	HEL15YH-1	5.12	119	144	167	571	0.83	1.41	4.80	RSCR	ST/OC/FC	9.2	290
	HEL17YH-1	5.55	128	159	185	631	0.81	1.44	4.93	RSCR	ST/OC/FC	9.2	290
	HEL19YH-1	5.84	136	172	200	683	0.79	1.47	5.02	RSCR	ST/OC/FC	9.2	290
	HEL21YH-1	6.73	162	193	224	766	0.84	1.39	4.73	RSCR	ST/OC/FC	9.5	290
YX	YX51LHE1	5.12	117	146	170	579	0.80	1.45	4.95	RSCR	ST/OC/FC	9.0	290
	YX58LHE1	5.84	134	173	201	687	0.77	1.50	5.12	RSCR	ST/OC/FC	9.8	290
YG	HBL25YG-1	7.68	206	225	262	893	0.92	1.27	4.33	CSR	ST/OC/FC	9.5	290
	HBL27YG-1	8.69	248	251	292	996	0.99	1.18	4.02	CSR	ST/OC/FC	9.5	290
	HEL21YG-1	6.73	170	189	220	750	0.90	1.29	4.41	RSCR	ST/OC/FC	9.0	290
	HEL23YG-1	7.03	182	204	237	810	0.89	1.30	4.45	RSCR	ST/OC/FC	9.5	290
YE	HBL23YE-1	7.03	181	191	222	758	0.95	1.23	4.19	CSR	ST/OC/FC	9.3	290
	HBL27YE-1	8.69	236	237	276	940	1.00	1.17	3.99	CSR	ST/OC/FC	9.5	290
	HCL23YE-1	7.03	188	193	224	766	0.97	1.19	4.07	CSIR	ST/OC/FC	9.3	290
	HCL27YE-1	8.69	233	245	285	972	0.95	1.22	4.17	CSIR	ST/OC/FC	9.5	290
	HCL30YE-1	9.92	270	270	314	1071	1.00	1.16	3.97	CSIR	ST/OC/FC	9.5	290
	HEL25YE-1	7.68	209	208	242	825	1.00	1.16	3.95	RSCR	ST/OC/FC	9.5	290

Test Condition(ASHRAE) LBP

1. Evaporating temperature : −23 ℃ (−10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

R134a LBP

127V / 60Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [kg]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
DS	DS25LHF2	2.54	77	56	65	222	1.38	0.85	2.89	RSIR	ST	6.0	180
WX	WX24LHF2	2.54	69	50	58	198	1.38	0.84	2.88	RSIR	ST	5.9	180
	WX24LHF2T	2.54	90	50	58	198	1.80	0.65	2.20	RSIR	ST	5.9	180
	WX30LHF2	3.06	85	68	79	270	1.25	0.93	3.17	RSIR	ST	5.9	180
Y	HFL7Y-2	2.65	87	61	71	242	1.43	0.82	2.78	RSIR	ST	6.7	230
	HFL11Y-2	4.51	110	99	115	393	1.11	1.05	3.57	RSIR	ST	6.7	230
JE	HFL15JE-2	5.12	147	134	156	532	1.10	1.06	3.62	RSIR	ST/FC	7.7	230
	HFL19JE-2	5.84	187	156	181	619	1.20	0.97	3.31	RSIR	ST/FC	8.2	230
JX	JX51LHE2	5.12	130	145	169	575	0.90	1.30	4.43	RSIR	ST/FC	8.3	230
YX	YX58LHE2	5.84	140	175	204	694	0.80	1.45	4.96	RSCR	ST/OC/FC	9.5	290
YG	HCL25YG-2	7.68	227	221	257	877	1.03	1.13	3.86	CSIR	ST/OC/FC	9.5	290
	HCL27YG-2	8.69	261	245	285	972	1.07	1.09	3.73	CSIR	ST/OC/FC	9.5	290
YE	HBL23YE-2	7.03	184	202	235	802	0.91	1.28	4.36	CSR	ST/OC/FC	9.3	290
	HBL25YE-2	7.68	208	222	258	881	0.94	1.24	4.24	CSR	ST/OC/FC	9.5	290
	HBL27YE-2	8.69	236	243	283	964	0.97	1.20	4.09	CSR	ST/OC/FC	9.5	290
	HFL27YE-2	8.69	275	248	288	984	1.11	1.05	3.58	RSIR	ST/OC/FC	9.5	290

Test Condition(ASHRAE) LBP

1. Evaporating temperature : -23 ℃ (-10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

R134a LBP

110V / 60Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [kg]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
Y	HEL11Y-3	4.51	110	100	116	397	1.10	1.06	3.61	RSCR	ST	6.7	230
JE	HEL13JE-3	4.62	118	124	144	492	0.95	1.22	4.17	RSCR	ST/FC	7.4	230
	HEL15JE-3	5.12	128	135	157	536	0.95	1.23	4.19	RSCR	ST/FC	7.7	230
	HEL19JE-3	5.84	148	159	185	631	0.93	1.25	4.26	RSCR	ST/FC	8.2	230
JX	JX51LHE3	5.12	132	150	174	595	0.88	1.32	4.51	RSCR	ST/FC	8.3	230
YX	YX58LHE3	5.84	137	176	205	698	0.78	1.49	5.10	RSCR	ST/FC	9.5	290
YG	HCL23YG-3	7.03	180	200	233	794	0.90	1.29	4.41	CSIR	ST/OC/FC	9.3	290
	HBL25YG-3	7.68	198	216	251	857	0.92	1.27	4.33	CSIR	ST/OC/FC	9.5	290
	HBL27YG-3	8.69	248	251	292	996	0.99	1.18	4.02	CSR	ST/OC/FC	9.5	290
	HEL21YG-3	6.73	170	189	220	750	0.90	1.29	4.41	RSCR	ST/OC/FC	9.0	290
	HEL23YG-3	7.03	182	204	237	810	0.89	1.30	4.45	RSCR	ST/OC/FC	9.3	290
YE	HCL23YE-3	7.03	194	190	221	754	1.02	1.14	3.89	CSIR	ST/OC/FC	9.5	290
	HBL27YE-3	8.69	236	237	276	940	1.00	1.17	3.99	CSR	ST/OC/FC	9.5	290

Test Condition(ASHRAE) LBP

1. Evaporating temperature : -23 ℃ (-10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

R134a LBP

220V / 60Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [kg]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
DS	DS22LHS4	2.18	60	49	57	194	1.22	0.95	3.24	RSIR	ST	6.0	180
	DS22LHS8	2.18	60	49	57	194	1.22	0.95	3.24	RSIR	ST	6.0	180
	DS25LHS8	2.54	68	59	69	234	1.15	1.01	3.44	RSIR	ST	6.0	180
WX	WX20LHS4T	2.01	66	36	42	143	1.83	0.63	2.16	RSIR	ST	5.9	180
	WX22LHS4	2.18	60	49	57	194	1.22	0.95	3.24	RSIR	ST	6.0	180
	WX24LHP4	2.54	63	51	59	202	1.24	0.94	3.21	RSCR	ST	5.9	180
	WX24LHP4T	2.54	71	52	60	206	1.37	0.85	2.91	RSCR	ST	5.9	180
	WX24LHS4	2.54	69	50	58	198	1.38	0.84	2.88	RSIR	ST	5.9	180
	WX24LHS4T	2.54	69	45	52	179	1.53	0.76	2.59	RSIR	ST	5.9	180
	WX24LHS4TP	2.54	75	50	58	198	1.50	0.78	2.65	RSIR	ST	5.9	180
	WX24LHS4W	2.54	74	53	62	210	1.40	0.83	2.84	RSIR	ST	5.9	180
	WX30LHP4	3.06	80	68	79	270	1.18	0.99	3.37	RSCR	ST	5.9	180
	WX30LHS4	3.06	84	70	81	278	1.20	0.97	3.31	RSIR	ST	5.9	180
	WX30LHS4T	3.06	92	67	78	266	1.37	0.85	2.89	RSIR	ST	5.9	180
	WX30LHS4TP	3.06	91	67	78	266	1.36	0.86	2.92	RSIR	ST	5.9	180
	WX30LHS8	3.06	84	70	81	278	1.20	0.97	3.31	RSIR	ST	5.9	180
	WX35LHS4T	3.51	108	80	93	317	1.35	0.86	2.94	RSIR	ST	5.9	180
	WX35LHS4W	3.51	103	79	92	313	1.30	0.89	3.04	RSIR	ST	6.3	180
	WX24LHP4W-K	2.54	82	50	58	198	1.64	0.71	2.42	RSCR	ST	5.9	180
	WX30LHP4W-K	3.06	110	63	73	249	1.75	0.66	2.27	RSCR	ST	6.1	180
Y	HPL11Y-4A	4.51	107	96	112	381	1.11	1.04	3.56	RSCR	ST	6.7	230
	HSL11Y-4	4.51	123	94	109	373	1.31	0.89	3.03	RSIR	ST	6.7	230
	HSL11Y-4A	4.51	112	98	114	389	1.14	1.02	3.47	RSIR	ST	7.0	230
	HSL11Y-4B	4.51	108	101	117	401	1.07	1.09	3.71	RSIR	ST	6.7	230
	HSL11Y-4C	4.51	113	95	110	377	1.19	0.98	3.34	RSIR	ST	6.7	230
	HSL5Y-4	2.29	68	51	59	202	1.33	0.87	2.98	RSIR	ST	6.3	230
	HSL5Y-4P	2.29	64	41	48	163	1.56	0.75	2.54	RSIR	ST	6.3	230
	HSL7Y-4	2.65	80	60	70	238	1.33	0.87	2.98	RSIR	ST	6.7	230
	HSL7Y-4P	2.65	79	56	65	222	1.41	0.82	2.81	RSIR	ST	6.7	230
	HSL9Y-4	3.43	91	58	67	230	1.57	0.74	2.53	RSIR	ST	6.7	230
	HSL9Y-4A	3.43	95	80	93	317	1.19	0.98	3.34	RSIR	ST	6.7	230
JE	HKL15JE-4	5.12	135	132	154	524	1.02	1.14	3.88	CSIR	ST/FC	7.7	230
	HPL15JE-4	5.12	127	132	154	524	0.96	1.21	4.12	RSCR	ST/FC	7.7	230
	HPL15JE-4A	5.12	120	136	158	540	0.88	1.32	4.50	RSCR	ST/FC	7.8	230
	HPL15JE-4C	5.12	122	134	156	532	0.91	1.28	4.36	RSCR	ST/FC	8.0	230
	HPL17JE-4	5.55	138	147	171	583	0.94	1.24	4.23	RSCR	ST/FC	7.7	230
	HPL17JE-4A	5.55	132	150	174	595	0.88	1.32	4.51	RSCR	ST/FC	8.0	230
	HPL17JE-4C	5.55	137	150	174	595	0.91	1.27	4.34	RSCR	ST/FC	8.0	230
	HPL19JE-4	5.84	143	151	176	599	0.95	1.23	4.19	RSCR	ST/FC	8.2	230
	HPL19JE-4A	5.84	145	165	192	655	0.88	1.32	4.52	RSCR	ST/FC	8.0	230
	HPL19JE-4B	5.84	145	153	178	607	0.95	1.23	4.19	RSCR	ST/FC	8.0	230
	HPL19JE-4C	5.84	144	152	177	603	0.95	1.23	4.19	RSCR	ST/FC	8.0	230
	HSL13JE-4	4.62	124	121	141	480	1.02	1.13	3.87	RSIR	ST/FC	7.7	230
	HSL13JE-4C	4.62	127	118	137	468	1.08	1.08	3.69	RSIR	ST/FC	7.7	230
	HSL15JE-4	5.12	140	137	159	544	1.02	1.14	3.88	RSIR	ST/FC	7.7	230
	HSL15JE-4C	5.12	138	137	159	544	1.01	1.15	3.94	RSIR	ST/FC	7.7	230
	HSL19JE-4	5.84	151	154	179	611	0.98	1.19	4.05	RSIR	ST/FC	8.2	230
	HSL19JE-4C	5.84	152	154	179	611	0.99	1.18	4.02	RSIR	ST/FC	8.2	230

Test Condition(ASHRAE) LBP

1. Evaporating temperature : -23 ℃ (-10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

DAEWOO ELECTRONICS

R134a LBP

220V / 60Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [㎏]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
JX	JX41LHS4	4.09	112	104	121	413	1.08	1.08	3.68	RSIR	ST/FC	7.6	230
	JX46LHP4	4.62	110	128	149	508	0.86	1.35	4.62	RSCR	ST/FC	8.0	230
	JX46LHS4	4.62	124	131	152	520	0.95	1.23	4.19	RSIR	ST/FC	8.0	230
	JX51LHP4	5.12	124	150	174	595	0.83	1.41	4.80	RSCR	ST/FC	8.3	230
	JX51LHS4	5.12	134	147	171	583	0.91	1.28	4.35	RSIR	ST/FC	8.3	230
	JX58LHK4	5.84	161	170	198	675	0.95	1.23	4.19	CSIR	ST/FC	8.3	230
	JX58LHP4	5.84	140	171	199	679	0.82	1.42	4.85	RSCR	ST/FC	8.3	230
	JX58LHS4	5.84	152	172	200	683	0.88	1.32	4.49	RSIR	ST/FC	8.3	230
YH	HDL21YH-4	6.72	156	189	220	750	0.83	1.41	4.81	CSR	ST/OC/FC	9.5	290
	HPL15YH-4	5.12	122	135	157	536	0.90	1.29	4.39	RSCR	ST/OC/FC	8.9	290
	HPL17YH-4	5.55	131	148	172	587	0.89	1.31	4.48	RSCR	ST/OC/FC	8.9	290
	HPL19YH-4	5.84	137	170	198	675	0.81	1.44	4.92	RSCR	ST/OC/FC	9.5	290
	HPL21YH-4	6.73	159	191	222	758	0.83	1.40	4.77	RSCR	ST/OC/FC	9.5	290
	HPL26YH-4	8.25	205	231	269	917	0.89	1.31	4.47	RSCR	ST/OC/FC	9.5	290
	HPL26YH-4B	8.25	190	228	265	905	0.83	1.40	4.76	RSCR	ST/OC/FC	9.5	290
YX	YX46LHP4	4.62	104	125	145	496	0.83	1.40	4.77	RSCR	ST/OC/FC	8.8	290
	YX58LHP4	5.84	133	172	200	683	0.77	1.50	5.13	RSCR	ST/OC/FC	9.8	290
	YX51LHP4-K	5.12	128	144	168	572	0.89	1.31	4.46	RSCR	ST/OC/FC	8.8	290
YG	HPL21YG-4	6.73	174	184	214	730	0.95	1.23	4.20	RSCR	ST/OC/FC	9.0	290
	HPL25YG-4	7.68	190	215	250	853	0.88	1.32	4.49	RSCR	ST/OC/FC	9.5	290
	HPL27YG-4A	8.69	232	250	291	992	0.93	1.25	4.28	RSCR	ST/OC/FC	9.5	290
	HPL30YG-4	9.92	247	283	329	1123	0.87	1.33	4.55	RSCR	ST/OC/FC	9.5	290
YE	HDL27YE-4	8.69	220	240	279	952	0.92	1.27	4.33	CSR	ST/OC/FC	9.5	290
	HKL25YE-4	7.68	204	210	244	833	0.97	1.20	4.09	CSIR	ST/OC/FC	9.5	290
	HKL27YE-4	8.69	222	244	284	968	0.91	1.28	4.36	CSIR	ST/OC/FC	9.5	290
	HKL30YE-4	9.92	269	273	317	1083	0.99	1.18	4.03	CSIR	ST/OC/FC	9.5	290
	HPL21YE-4	6.73	166	181	211	718	0.92	1.27	4.33	RSCR	ST/OC/FC	9.0	290
	HPL23YE-4	7.03	175	188	219	746	0.93	1.25	4.26	RSCR	ST/OC/FC	9.3	290
	HPL25YE-4	7.68	192	210	244	833	0.91	1.27	4.34	RSCR	ST/OC/FC	9.5	290
	HPL27YE-4	8.69	233	243	283	964	0.96	1.21	4.14	RSCR	ST/OC/FC	9.5	290
	HSL21YE-4	6.73	184	184	214	730	1.00	1.16	3.97	RSIR	ST/OC/FC	9.0	290
	HSL25YE-4	7.68	207	217	252	861	0.95	1.22	4.16	RSIR	ST/OC/FC	9.5	290
DH	DH70LHP4	7.03	155	207	241	821	0.75	1.55	5.30	RSCR	FC	10.4	290
	DH80LHP4	7.89	174	230	267	913	0.76	1.54	5.25	RSCR	FC	10.4	290
	DH90LHP4	8.93	202	273	317	1083	0.74	1.57	5.36	RSCR	FC	10.4	290
	DH99LHP4	9.92	229	283	329	1123	0.81	1.44	4.90	RSCR	FC	10.4	290
DM	DM99LHD4	9.92	236	267	311	1060	0.88	1.32	4.49	CSR	FC	10.4	290
	DM99LHK4	9.92	253	286	333	1135	0.88	1.31	4.49	CSIR	FC	10.4	290
	DM99LHP4	9.92	238	290	337	1151	0.82	1.42	4.84	RSCR	FC	10.4	290

Test Condition(ASHRAE) LBP

1. Evaporating temperature : −23 ℃ (−10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

R134a LBP

220-240V / 50Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [kg]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
DS	DS22LHS8	2.18	57	37	43	147	1.54	0.75	2.58	RSIR	ST	6.0	180
	DS25LHS8	2.54	63	50	58	198	1.26	0.92	3.15	RSIR	ST	6.0	180
	DS30LHS8	3.06	78	69	80	274	1.13	1.03	3.51	RSIR	ST	6.0	180
WX	WX20LHS5T	2.01	58	29	34	115	2.00	0.58	1.98	RSIR	ST	5.9	180
	WX24LHS5	2.54	66	40	47	159	1.65	0.70	2.41	RSIR	ST	5.9	180
	WX24LHS5T	2.54	64	40	47	159	1.60	0.73	2.48	RSIR	ST	5.9	180
	WX24LHS8	2.54	66	40	47	159	1.65	0.70	2.41	RSIR	ST	5.9	180
	WX30LHS5	3.06	86	60	70	238	1.43	0.81	2.77	RSIR	ST	5.9	180
	WX30LHS5T	3.06	88	59	69	234	1.49	0.78	2.66	RSIR	ST	5.9	180
	WX30LHS8	3.06	86	60	70	238	1.43	0.81	2.77	RSIR	ST	5.9	180
	WX30LHT5W	3.06	75	52	60	206	1.44	0.81	2.75	RSIR	ST	5.9	180
	WX35LHS5T	3.51	98	64	74	254	1.53	0.76	2.59	RSIR	ST	5.9	180
	WX35LHT5W	3.51	99	64	74	254	1.55	0.75	2.57	RSIR	ST	5.9	180
Y	HPL7Y-5	2.65	62	50	58	198	1.24	0.94	3.20	RSCR	ST	6.7	230
	HPL9Y-5	3.43	76	58	67	230	1.31	0.89	3.03	RSCR	ST	6.7	230
	HPL11Y-5	4.51	89	80	93	317	1.11	1.05	3.57	RSCR	ST	7.0	230
	HSL5Y-5	2.29	65	35	41	139	1.86	0.63	2.14	RSIR	ST	6.3	230
	HSL5Y-5P	2.29	64	35	41	139	1.83	0.64	2.17	RSIR	ST	6.7	230
	HSL7Y-5	2.65	74	48	56	190	1.54	0.75	2.57	RSIR	ST	6.7	230
	HSL9Y-5	3.43	74	46	53	183	1.61	0.72	2.47	RSIR	ST	6.7	230
	HSL11Y-5	4.51	109	80	93	317	1.36	0.85	2.91	RSIR	ST	7.0	230
	HSL11Y-5A	4.51	102	85	99	337	1.20	0.97	3.31	RSIR	ST	7.0	230
	HSL11Y-5T	4.51	108	78	91	310	1.38	0.84	2.87	RSIR	ST	7.0	230
JE	HPL13JE-5	4.62	97	93	108	369	1.04	1.12	3.80	RSCR	ST/FC	7.4	230
	HPL15JE-5	5.12	107	107	124	425	1.00	1.16	3.97	RSCR	ST/FC	7.7	230
	HPL17JE-5	5.55	124	123	143	488	1.01	1.15	3.94	RSCR	ST/FC	7.7	230
	HPL19JE-5	5.84	124	134	156	532	0.93	1.26	4.29	RSCR	ST/FC	8.2	230
	HSL15JE-5	5.12	114	108	126	429	1.06	1.10	3.76	RSIR	ST/FC	7.7	230
	HSL15JE-5A	5.12	117	109	127	433	1.07	1.08	3.70	RSIR	ST/FC	7.7	230
	HSL15JE-5C	5.12	115	108	126	429	1.06	1.09	3.73	RSIR	ST/FC	7.8	230
	HSL17JE-5	5.55	129	126	147	500	1.02	1.14	3.88	RSIR	ST/FC	7.7	230
	HSL17JE-5A	5.55	129	121	141	480	1.07	1.09	3.72	RSIR	ST/FC	7.7	230
	HSL19JE-5	5.84	133	130	151	516	1.02	1.14	3.88	RSIR	ST/FC	8.2	230
	HSL19JE-5A	5.84	141	135	157	536	1.04	1.11	3.80	RSIR	ST/FC	7.8	230
JX	JX41LHS5	4.09	101	89	104	353	1.13	1.02	3.50	RSIR	ST/FC	7.6	230
	JX51LHS5	5.12	137	121	141	480	1.13	1.03	3.50	RSIR	ST/FC	8.3	230
	JX58LHK5	5.84	139	138	160	546	1.01	1.15	3.93	CSIR	ST/FC	7.4	230
	JX58LHP5	5.84	120	140	163	556	0.86	1.36	4.63	RSCR	ST/FC	8.2	230
	JX58LHS5	5.84	139	141	164	560	0.99	1.18	4.03	RSIR	ST/FC	8.3	230
	JX58LHS5A	5.84	150	140	163	556	1.07	1.09	3.70	RSIR	ST/FC	7.4	230
	JX46LHP5-K	4.62	111	103	120	409	1.08	1.08	3.68	RSCR	ST/FC	8.0	230
	JX55LHS5-K	5.55	137	125	146	497	1.09	1.06	3.63	RSIR	ST/FC	7.7	230
	JX58LHP5-K	5.84	134	140	163	556	0.96	1.22	4.15	RSCR	ST/FC	7.4	230
	JX58LHS5-K	5.84	145	140	163	556	1.04	1.12	3.83	RSIR	ST/FC	7.4	230
	JX58LHS5-K	5.84	145	140	162	554	1.04	1.12	3.82	RSIR	ST/FC	7.7	230

Test Condition(ASHRAE) LBP

1. Evaporating temperature : -23 ℃ (-10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

R134a LBP

220-240V / 50Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [kg]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
YH	HPL17YH-5	5.55	108	129	150	512	0.84	1.39	4.74	RSCR	ST/OC/FC	9.5	290
	HPL19YH-5	5.84	115	136	158	540	0.85	1.38	4.69	RSCR	ST/OC/FC	9.5	290
	HPL19YH-5A	5.84	115	136	158	540	0.85	1.38	4.69	RSCR	ST/OC/FC	9.5	290
	HPL21YH-5	6.73	129	152	177	603	0.85	1.37	4.68	RSCR	ST/OC/FC	9.5	290
	HPL23YH-5	7.03	139	166	193	659	0.84	1.39	4.74	RSCR	ST/OC/FC	9.5	290
	HPL25YH-5	7.96	155	194	226	770	0.80	1.46	4.97	RSCR	ST/OC/FC	9.5	290
	HPL26YH-5	8.25	164	205	238	814	0.80	1.45	4.96	RSCR	ST/OC/FC	9.5	290
YX	YX58LHP5	5.84	112	141	164	560	0.79	1.46	5.00	RSCR	ST/OC/FC	9.8	290
YG	HPL25YG1-5	7.68	153	180	209	714	0.85	1.37	4.67	RSCR	ST/OC/FC	9.5	290
	HPL27YG1-5	8.69	175	206	240	817	0.85	1.37	4.67	RSCR	ST/OC/FC	9.5	290
	HPL30YG-5	9.92	207	235	273	933	0.88	1.32	4.51	RSCR	ST/OC/FC	9.5	290
	HPL30YG-5A	9.92	208	228	265	905	0.91	1.27	4.35	RSCR	ST/OC/FC	9.5	290
	HSL25YG-5	7.68	175	185	215	734	0.95	1.23	4.20	RSIR	ST/OC/FC	9.5	290
YE	HKL21YE-5	6.73	155	151	176	599	1.03	1.13	3.87	CSIR	ST/OC/FC	9.0	290
	HKL23YE-5	7.03	162	159	185	631	1.02	1.14	3.89	CSIR	ST/OC/FC	9.3	290
	HKL25YE-5	7.68	186	177	206	702	1.05	1.11	3.78	CSIR	ST/OC/FC	9.5	290
	HKL27YE-5	8.69	200	200	233	794	1.00	1.16	3.97	CSIR	ST/OC/FC	9.3	290
	HKL30YE-5	9.92	241	236	274	937	1.02	1.14	3.89	CSIR	ST/OC/FC	9.5	290
	HPL27YE-5	8.69	180	204	237	810	0.88	1.32	4.50	RSCR	ST/OC/FC	9.5	290
	HPL30YE-5	9.92	211	228	265	905	0.93	1.26	4.29	RSCR	ST/OC/FC	9.5	290
	HSL27YE-5T1	8.69	197	205	238	814	0.96	1.21	4.13	RSIR	ST/OC/FC	9.5	290
	HSL21YE-5	6.73	149	151	176	599	0.99	1.18	4.02	RSIR	ST/OC/FC	9.0	290
	HSL23YE-5	7.03	161	155	180	615	1.04	1.12	3.82	RSIR	ST/OC/FC	9.3	290
	HSL23YE-5B	7.03	161	155	180	615	1.04	1.12	3.82	RSIR	ST/OC/FC	9.3	290
	HSL23YE-5T1	7.03	163	159	185	631	1.03	1.13	3.87	RSIR	ST/OC/FC	9.3	290
	HSL25YE-5	7.68	176	174	202	690	1.01	1.15	3.92	RSIR	ST/OC/FC	9.5	290
	HSL25YE-5A	7.68	168	169	197	671	0.99	1.17	3.99	RSIR	ST/OC/FC	9.0	290
	HSL27YE-5	8.69	196	197	229	782	0.99	1.17	3.99	RSIR	ST/OC/FC	9.5	290
	HSL27YE-5A	8.69	193	195	227	774	0.99	1.18	4.01	RSIR	ST/OC/FC	9.5	290
	HSL30YE-5	9.92	253	230	267	913	1.10	1.06	3.61	RSIR	ST/OC/FC	9.5	290
	HSL30YE-5B	9.92	239	229	266	909	1.04	1.11	3.80	RSCR	ST/OC/FC	10.4	290
	HPL25YE-5-K	7.68	171	175	203	694	0.98	1.19	4.05	RSCR	ST/OC/FC	9.0	290
	HPL27YE-5-K	8.69	196	199	231	790	0.98	1.18	4.03	RSCR	ST/OC/FC	9.0	290
	HPL30YE-5-K	9.92	207	221	257	876	0.94	1.24	4.22	RSCR	ST/OC/FC	9.0	290
DH	DH70LHP5	7.03	124	161	187	639	0.77	1.51	5.15	RSCR	FC	10.4	290
	DH80LHP5	7.89	143	189	220	750	0.76	1.54	5.24	RSCR	FC	10.4	290
	DH90LHP5	8.93	157	205	238	814	0.77	1.52	5.18	CSIR	FC	10.4	290
	DH90LHK5	8.93	175	205	238	814	0.85	1.36	4.65	RSCR	FC	10.4	290
	DH99LHP5	9.92	234	309	359	1226	0.76	1.54	5.24	CSIR	FC	10.4	290
DM	DM99LHK5	9.92	237	246	286	976	0.96	1.21	4.12	CSIR	FC	10.4	290

Test Condition(ASHRAE) LBP

1. Evaporating temperature : -23 ℃ (-10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

R134a LBP

110V / 50Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [kg]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
DS	DS25LHF9	2.54	65	48	56	190	1.35	0.86	2.93	RSIR	ST	6.0	180
JE	HEL19JE-9	5.84	137	137	159	544	1.00	1.16	3.97	RSCR	ST/FC	8.2	230
YG	HEL23YG-9	7.03	161	158	184	627	1.02	1.14	3.89	RSCR	ST/OC/FC	9.3	290
	HCL27YG-9	8.69	231	201	234	798	1.15	1.01	3.45	CSIR	ST/OC/FC	9.5	290
	HBL30YG-9	9.92	284	232	270	921	1.22	0.95	3.24	CSR	ST/OC/FC	9.5	290
YE	HFL25YE-9A	7.68	180	174	202	690	1.03	1.12	3.84	RSIR	ST/OC/FC	9.5	290

Test Condition(ASHRAE) LBP

1. Evaporating temperature : -23 ℃ (-10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

R600a LBP

220-240V / 50Hz

Series	Model	Displacement [cc/rev]	Consumption Power [W]	Cooling Capacity			Efficiency			Motor Type	Cooling Type	Net Weight [kg]	Oil Qty. [cc]
				kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh				
DH	DH80LIP5	7.89	83	104	121	413	0.79	1.47	5.01	RSCR	FC	9.6	290
	DH90LIP5	8.96	97	122	141	482	0.79	1.46	5.00	RSCR	FC	9.6	290
	DH99LIP5	9.92	106	141	164	558	0.75	1.55	5.28	RSCR	FC	9.6	290
	DH108LIP5	10.80	118	146	170	579	0.81	1.44	4.90	RSCR	FC	9.9	290
	DH114LIP5	11.40	125	152	176	602	0.83	1.41	4.81	RSCR	FC	9.6	290
	DH120LIP5	11.90	134	166	193	659	0.80	1.45	4.93	RSCR	FC	9.6	290
	DH126LIP5	12.60	147	181	211	718	0.81	1.43	4.89	RSCR	FC	9.6	290
	DH132LIP5	13.20	142	183	213	726	0.78	1.50	5.11	RSCR	FC	10.4	290
	DH144LIP5	14.40	170	205	239	814	0.83	1.41	4.80	RSCR	FC	9.6	290
	DH152LIP5	15.20	168	218	254	865	0.77	1.51	5.15	RSCR	FC	9.9	290

Test Condition(ASHRAE) LBP

1. Evaporating temperature : −23 ℃ (−10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

BLDC LBP

220V / 60Hz

Series	Model	Displacement [cc/rev]	RPM	Consumption Power [W]	Cooling Capacity			Efficiency			Cooling Type	Net Weight [kg]	Oil Qty. [cc]
					kcal/h	Watt	Btu/h	EFF kcal/Wh	COP W/W	EER Btu/Wh			
DH	DH90LHBPM4	8.76	1800	97	129	150	511	0.75	1.55	5.29	FC	10.4	290
			2400	127	174	203	691	0.73	1.60	5.46			
			3000	154	225	262	893	0.68	1.70	5.80			
			3600	204	276	321	1094	0.74	1.57	5.36			
	DH99LHBPM4	9.92	1800	110	146	170	581	0.75	1.55	5.28	FC	10.4	290
			2400	142	194	225	769	0.74	1.58	5.40			
			3000	181	247	287	980	0.73	1.59	5.41			
			3600	227	302	351	1198	0.75	1.55	5.27			

Test Condition(ASHRAE) LBP

1. Evaporating temperature : -23 ℃ (-10 °F)
2. Condensing temperature : 54.4 ℃ (130 °F)
3. Ambient temperature : 32.2 ℃ (90 °F)
4. Gas superheated to : 32.2 ℃ (90 °F)
5. Liquid subcooled to : 32.2 ℃ (90 °F)

Motor Type

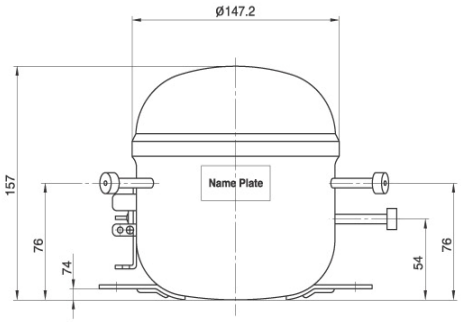
1. RSIR : Resistance Start Induction Run
2. RSCR : Resistance Start Capacitor Run
3. CSIR : Capacitor Start Induction Run
4. CSR : Capacitor Start Capacitor Run

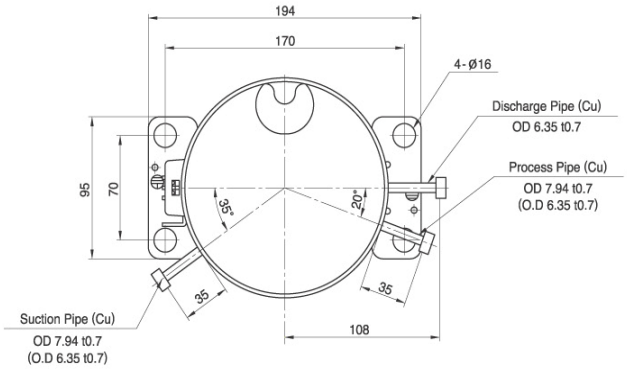
Compressor Cooling

1. ST : Static Cooling
2. OC : Oil Cooling
3. FC : Fan Cooling

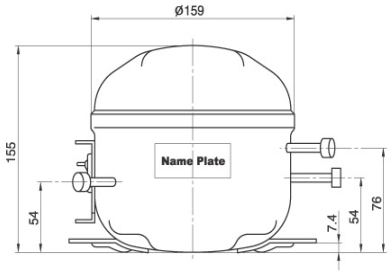
Appearance

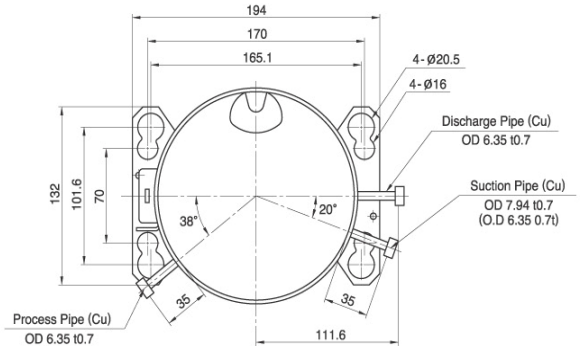
DS-WX Series



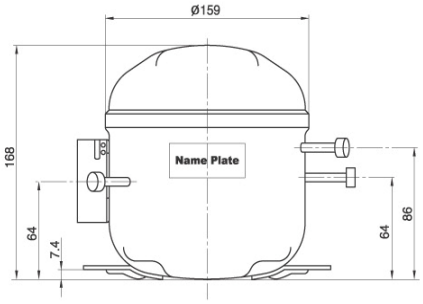


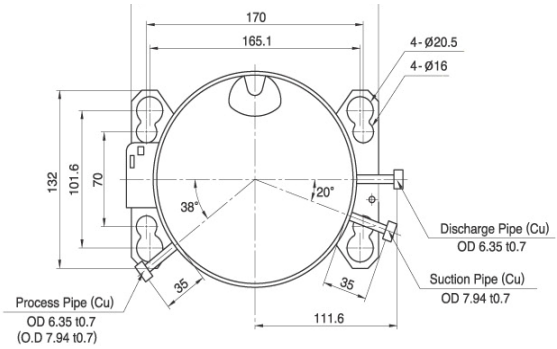
Y Series



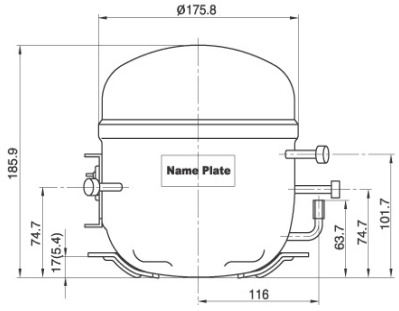


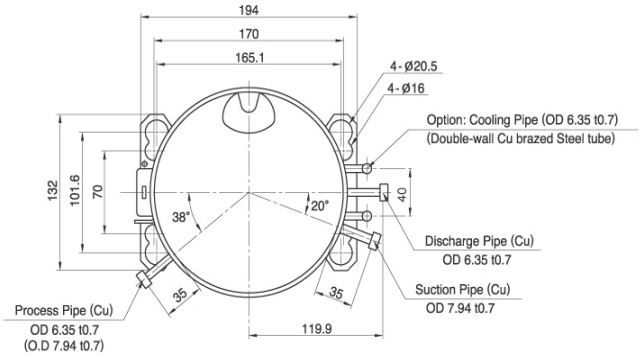
JE-JX Series





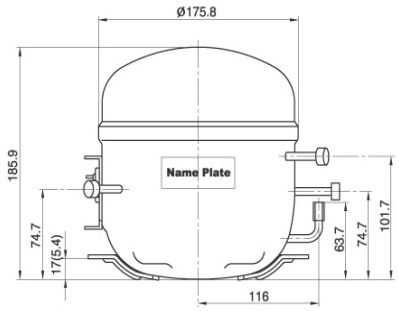
YE Series

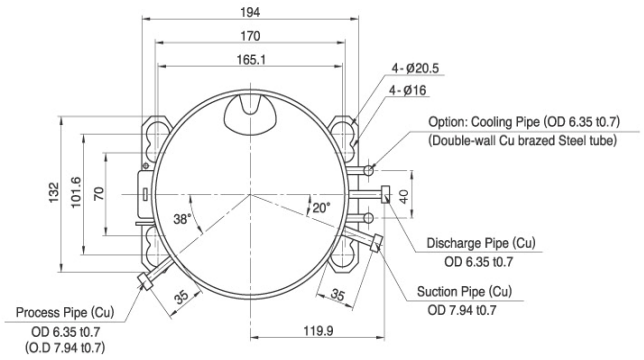




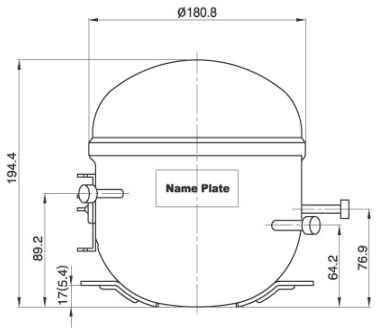
Appearance

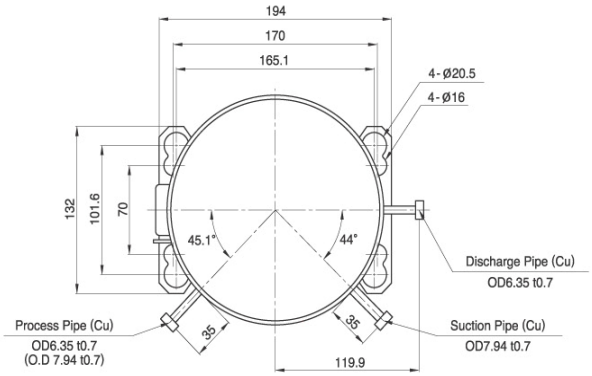
YX-YH-YG Series





DH-DM Series





Pipe(Tube) Size

PIPE	O.D	t(㎜)	I.D	material	Remark
Suction Pipe	Φ 7.94	0.7	Φ 6.54	copper	DAEWOO Standard
		0.9	Φ 6.14	copper	
Discharge Pipe	Φ 6.35	0.7	Φ 4.95	copper	DAEWOO Standard
		0.9	Φ 4.55	copper	
Process Pipe	Φ 6.35	0.7	Φ 4.95	copper	DAEWOO Standard (WX)
	Φ 7.94	0.7	Φ 6.54	copper	
		0.9	Φ 6.14	copper	
Cooling Pipe	Φ 6.35	0.7	Φ 4.95	copper	

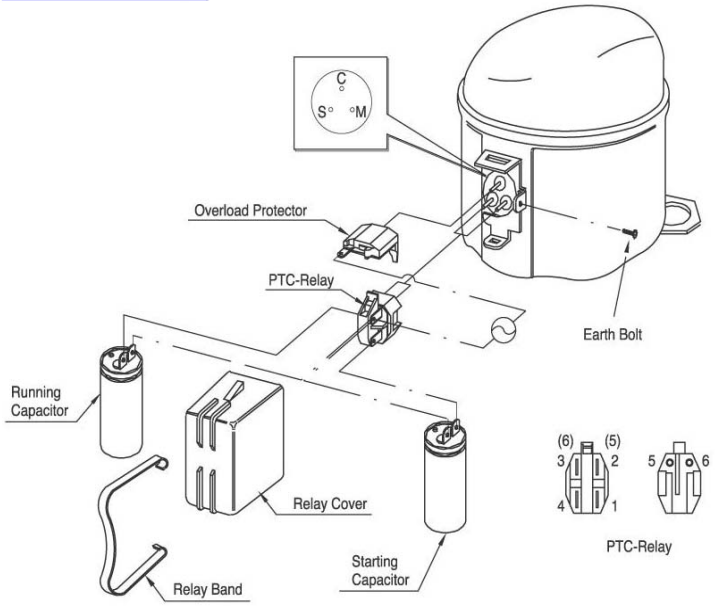
Assembly Diagram

PTC Relay Type (with Relay Cover)

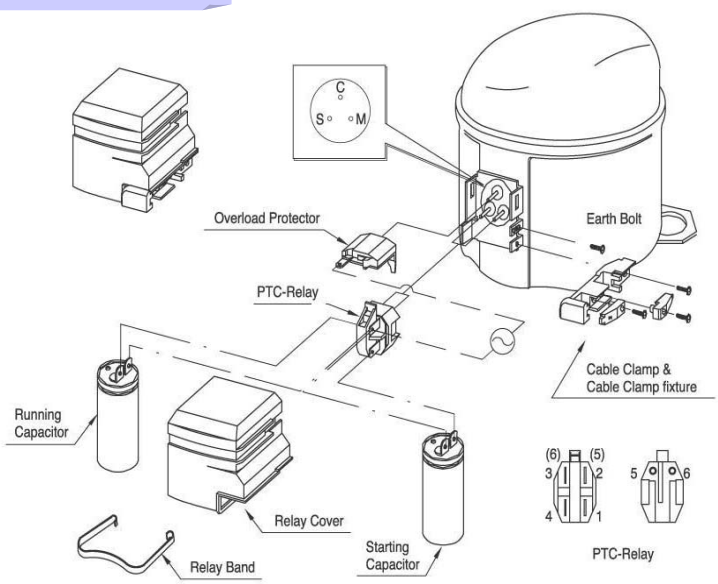
Assembly of Electrical Parts

Motor Type	RSIR	RSCR	CSIR	CSR
Running Capacito	X	○	X	○
Starting Capacito	X	X	○	○

General Type

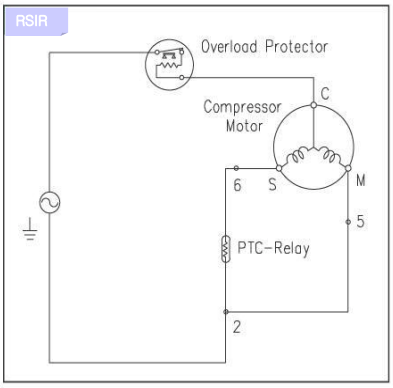


Cable clamp Type

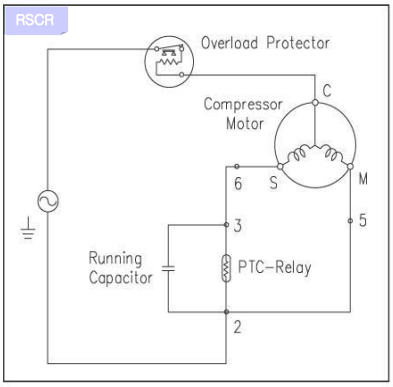


Wiring Diagram

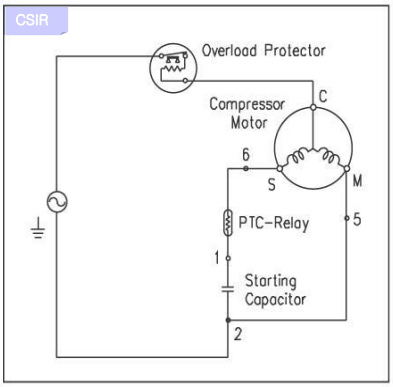
RSIR



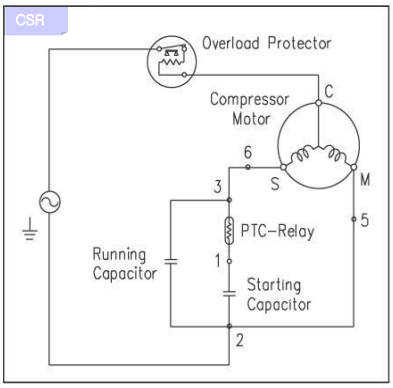
RSCR



CSIR



CSR

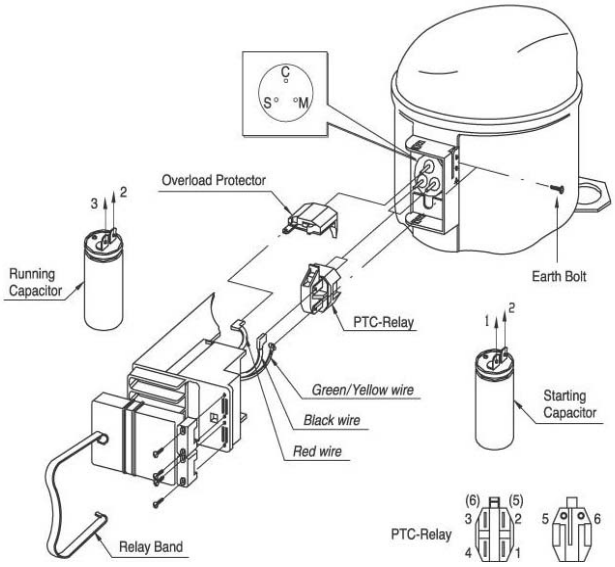


Assembly Diagram

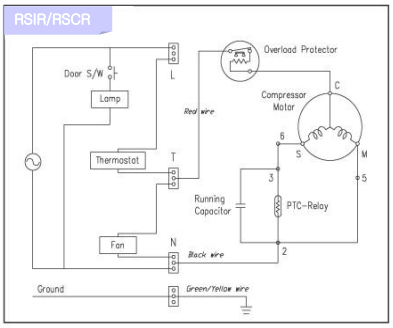
PTC Relay Type (with Relay Cover)

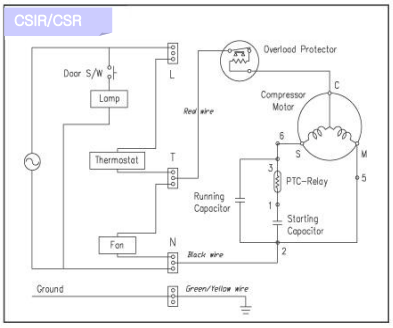
Assembly of Electrical Parts

Motor Type	RSIR	RSCR	CSIR	CSR
Running Capacito	X	○	X	○
Starting Capacito	X	X	○	○



Wiring Diagram

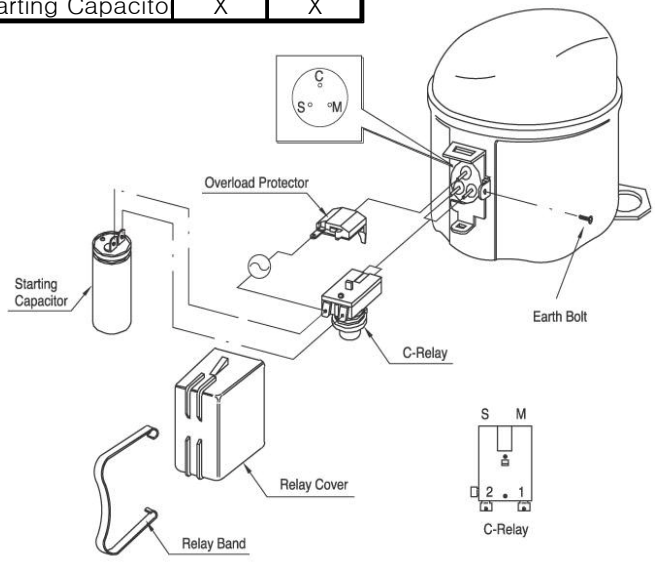




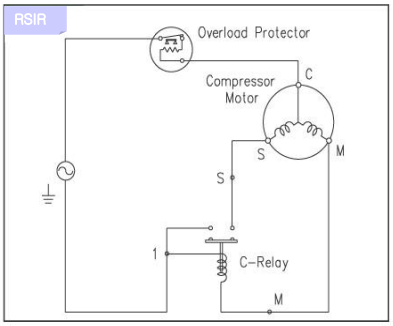
Current Relay Type

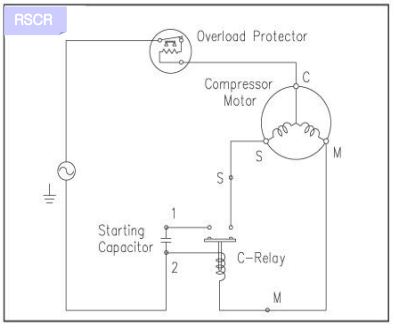
Assembly of Electrical Parts

Motor Type	RSIR	RSCR
Running Capacito	X	○
Starting Capacito	X	X



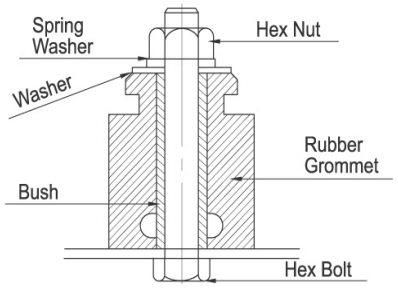
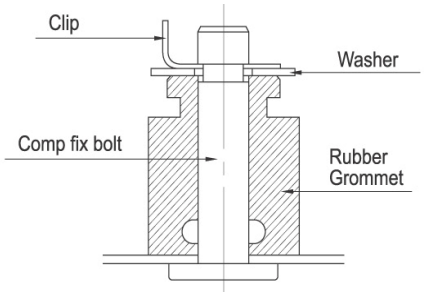
Wiring Diagram





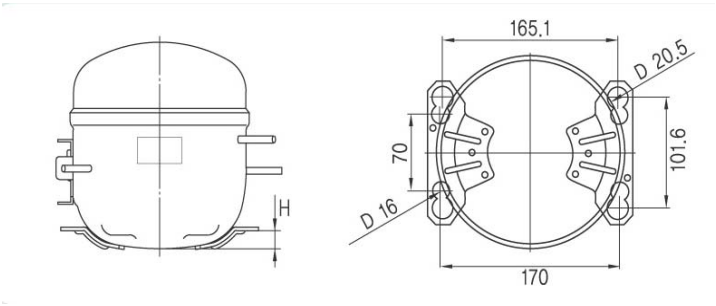
Mounting Accessory

Mounting Accessories

Bolt-Nut Type	Snap-On Type
BN54, BN74, BN170	S54, S74, S170
	

Comp Base

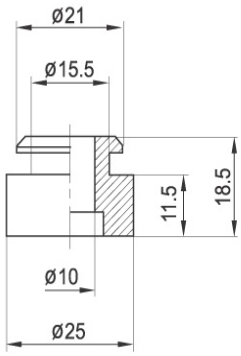
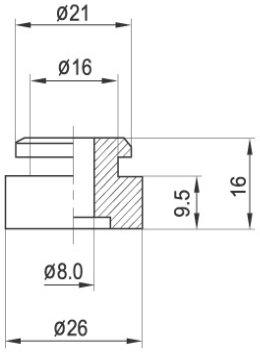
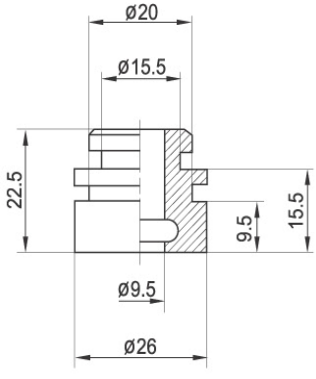
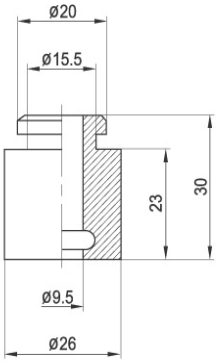
Series	H[mm]
DS, WX, Y	7.4
JE, JX	
YH, YX, YG, YE, DM, DH	17(5.4)



Mounting Accessory & Comp Base

Compressor Series	Type of Mounting Accessory	Comp Base		
		H[mm]	Hole Size	Position of Holes
YH, YX, YG, YE DM, DH	BN54, S54	5.4	Φ16	70 X 170
	BN170, S170	17		
DS, WX, Y, JE, JX	BN74, S74	7.4	Φ16 (Φ20.5)	70 X 170 (101.6 X 165.1)

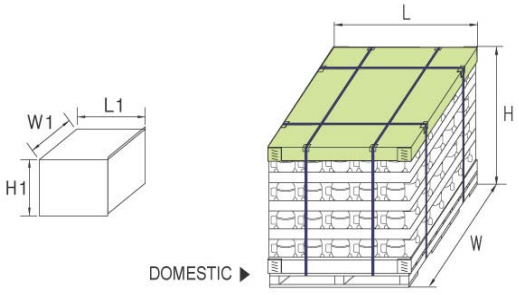
Mounting Accessory & Comp Base

BN54	S54	BN74, S74	BN170, S170
			

Packing

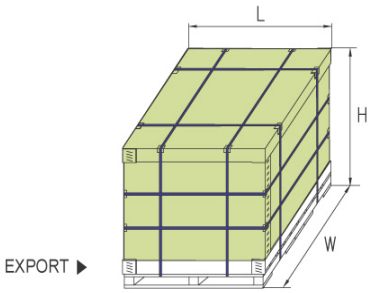
1pc Box Size

Compressor Series	L1 [mm]	W1 [mm]	H1 [mm]
DS, WX, Y	219	233	170
JE, JX	219	233	190
YH, YX, YG, YE, DM, DH	219	246	206



Bulk Box Size

Compressor Series	Bulk Box No	L [mm]	W [mm]	H [mm]
DS, WX, Y	①	1,162	988	978
JE, JX	②	1,162	988	847
YH, YX, YG, YE, DM, DH	③	1,162	1,040	937



Compressor Quantity

Compressor Series	Bulk Box No	Comp Quantity / Bulk Box	Bulk Box Quantity / Container(20ft)	Comp Quantity / Container(20ft)	Remark
DS, WX	①	140	21	2,940	
Y	②	120	21	2,520	
JE, JX	③	96	21	1,920	
YH, YX, YG, YE, DM, DH	④	96	20	1,920	

Application Guide

1. Refrigerant

R-12 (CCl_2F_2)	Purity ≥ 99.95%
R-134a ($CH_2F\text{-}CF_3$)	
R-600a ($CH(CH_3)_3$)	Purity ≥ 99.5%

2. Evaporating temperature

LBP	-35℃ ~ -15℃
HBP(R-134a)	-5℃ ~ 10℃

3. Condensing temperature

LBP	60℃ max.	70℃ max. at peak load
HBP(R-134a)	60℃ max.	in 43℃ test room

4. Discharge gas temperature

120℃ max. in 43℃ test room

5. Motor winding temperature

120℃ max. in 43℃ test room

Winding temperature(T_2)

$T_2 = (R_2/R_1) \times (234.5+T_1) - 234.5$

T_1 : The room temperatuer
T_2 : The resistance at the end of the test
T_3 : The resistance at the beginning of the test

6. Suction gas temperature

Similar range of super-heating with the ambient temperature(at the suction pipe 150mm location)

7. Shell temperature

LBP : 100℃ max. in 43℃ test room
HBP : 100℃ max. in 32℃ test room

8. Operating temperature

LBP : Rated voltage ± 15%
HBP : Rated voltage ± 10%

9. The amount of refrigerant charge

Recommended amount based on the equalized cycle pressure

10. The amount of oil charge

The compressors are supplied with proper oil charge

11. Moisture content

150mg max. in refrigeration system with a recommended drier

12. Operating temperature

(On Period)/(On Period + Off Period)≤65%

13. On period / Off period

5 minutes min.(On) / 5 minutes min.(Off)

13. Evacuation of the refrigeration system

Less than 0.5 torr

14. Installation

Compressors should be installed in vertical direction within 5° inclination