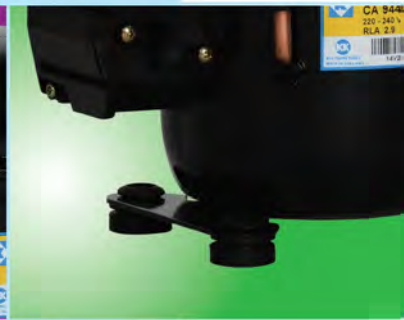


# HERMETIC COMPRESSORS



World Class  
Products for Refrigeration & Air Conditioning



**KULTHORN KIRBY**  
PUBLIC COMPANY LIMITED



**KULTHORN GROUP**

# Company History

Kulthorn Kirby was the first hermetic compressor manufacturer in Thailand, established with Thailand Board of Investment promotion in 1980. The company was officially opened on January 13, 1982, with the initial production output of over 100,000 compressors in the first year of operation. Later, the production capacity was expanded to 5,500,000 units/year, of which more than 70% are exported worldwide. In 1991, the company was listed in the Stock Exchange of Thailand with 500 millions Baht registered capital and in 2013, registered capital was increased to 1,200 millions.

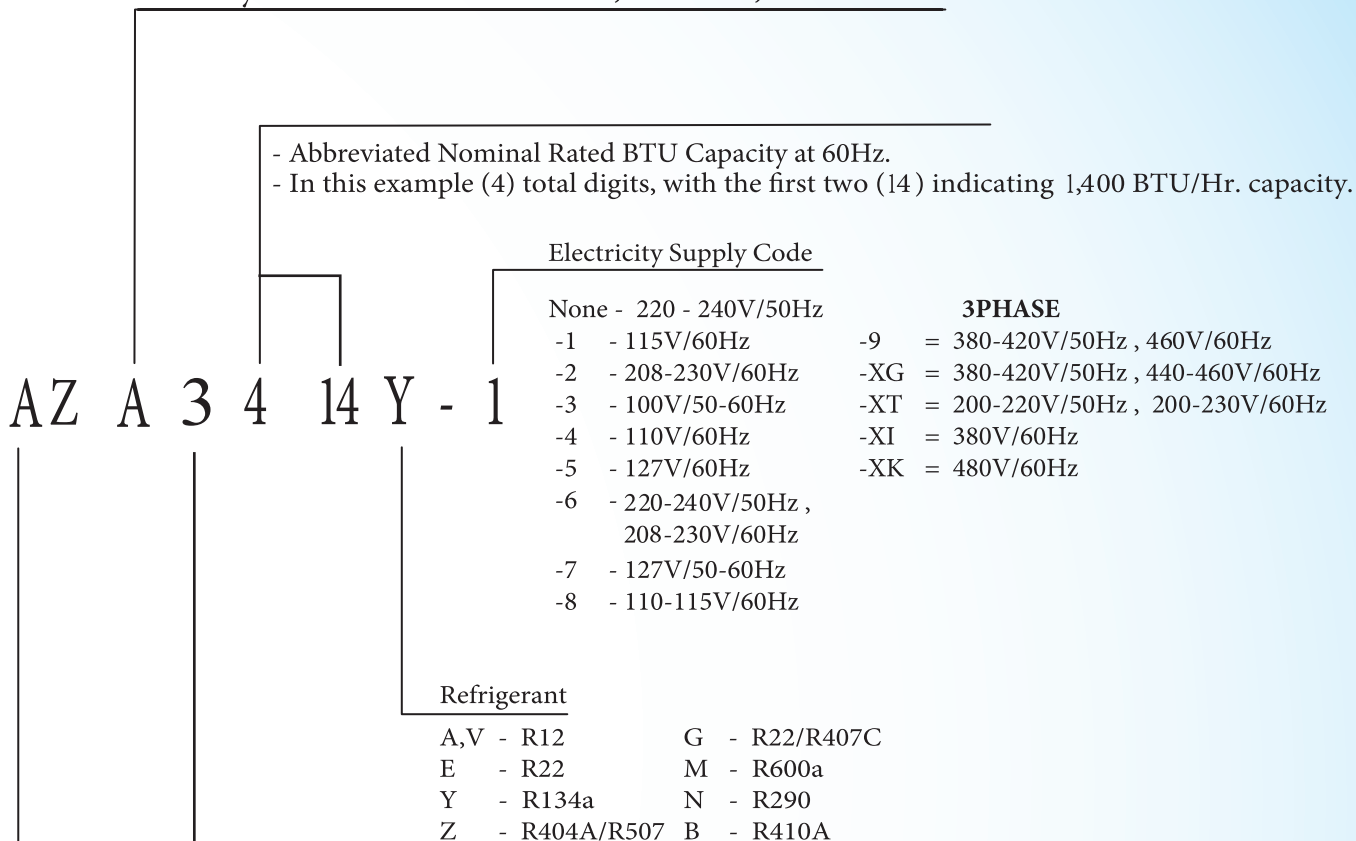
Kulthorn Kirby specializes in the manufacture of hermetic reciprocating compressors for domestic refrigerators, commercial refrigeration systems and air conditioners. We believe in our vision, which is to be the producer of best quality, world standard products that best meet our customers' needs. With our concern for the environment and for meeting relevant safety standards, Kulthorn Kirby compressors are approved to many international performance and safety standards such as CE, UL, TUV, CCC, SASO and TISI.

NAME:	Kulthorn Kirby Public Company Limited
Company Registration No:	0107537002150 ( Bor Mor Jor. 462 )
Established:	24 March 1980
Grand Opening:	13 January 1982
Head Office & Factory:	126 Soi Chalong Krung 31, Chalong Krung Road, Lat Krabang Ind. Est., Khwaeng Lam Pla Thio, Khet Lat Krabang, Bangkok 10520, Thailand
Telephone:	(66) 2326 0831, 2739 4893
Fax:	(66) 2326 0837, 2739 4892
E-mail:	kkc@kulthorn.com, sales@kulthorn.com
Web site:	www.kulthorn.com
Employees:	2,200 persons
Land area:	65-3-2 rai (21 Acres)
Factory space:	85,300 sq.m.
Product:	Hermetic Motor Compressors for Refrigeration and Air-Conditioning Products
Brand name:	KULTHORN
Plant capacity:	4 million units/year of refrigeration compressors and 1.5 million units/year of air-conditioning compressors
Major Shareholders:	Simakulthorn Group Heatcraft Australia Pty Ltd. Original Equipment Manufacturers
Subsidiaries:	Kulthorn Kirby Foundry Co., Ltd. Kulthorn Premier Co., Ltd. Kulthorn Steel Co., Ltd. Kulthorn Materials & Controls Co., Ltd. Kulthorn Metal Products Co., Ltd.



# Model Number System

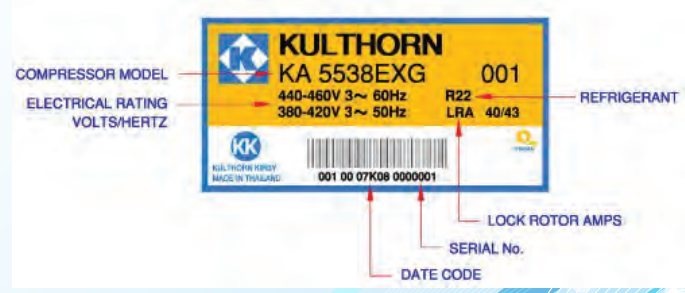
Family Release Variant : A = 1 st., B = 2 nd., etc.



### Application

- 1 = Low Back Pressure. Motor With Normal Starting Torque.
- 2 = Low Back Pressure. Motor With High Starting Torque.
- 3 = High Back Pressure. Motor With Normal Starting Torque.
- 4 = High Back Pressure. Motor With High Starting Torque.
- 5 = Air Conditioning. Motor With Normal Starting Torque.
- 6 = Medium Back Pressure. Motor With Normal Starting Torque.
- 7 = Medium Back Pressure. Motor With High Starting Torque.
- 8 = Air Conditioning (High eff.) Motor with Normal Starting Torque.
- 9 = Commercial Back Pressure. Motor with High Starting Torque.
- 0 = Commercial Back Pressure. Motor with Normal Starting Torque.

Compressor Family : AZ-AZA-AE-BA-CA-WJ-AW-KA-LA



**OUR VISION :** To be the leader in the motor compressor businesses in ASEAN

R134a			Cooling Capacity (Watt)										LBP					
Model	Power (HP)	Disp. (cc)	ASHRAE 32 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. ( $\mu$ F/VAC)	Run Cap. ( $\mu$ F/VAC)	Height "A" (mm)	
			-23.3°C							-20°C	-15°C	-10°C						
			-35°C	-30°C	-25°C	Watt	BTU	Input	COP.									
<b>220-240V/50Hz / 1 Ph.</b>																		
AZA1320Y	1/20	2.73	19	34	51	58	198	57	1.05	71	93	119	R.S.I.R	N	—	—	162	
			19	34	51	58	198	52	1.15	71	93	119	R.S.C.R		—	4/450	159	
AZA1327Y	1/15	3.28	26	49	72	80	273	73	1.10	98	128	166	R.S.I.R	N	—	—	168	
			26	49	72	80	273	60	1.35	98	128	166	R.S.C.R		—	4/440	159	
AZA1330Y	1/10	3.59	27	53	80	90	307	79	1.15	111	144	187	R.S.I.R	N	—	—	159	
			27	53	80	90	307	64	1.40	111	144	187	R.S.C.R		—	4/440	168	
AZA1335Y	1/10	3.80	32	57	86	96	328	82	1.20	118	154	195	R.S.I.R	N	—	—	168	
			32	57	86	96	328	66	1.45	118	154	195	R.S.C.R		—	4/440	168	
AZA1340Y	1/10	4.00	35	65	98	110	375	90	1.25	135	176	229	R.S.I.R	N	—	—	168	
			35	65	98	110	375	78	1.45	135	176	229	R.S.C.R		—	4/440	168	
AZA2340Y	1/10	4.00	35	65	98	110	375	90	1.25	135	176	229	C.S.I.R	N	36~43/330	—	168	
AZA1350Y	1/8	5.00	38	77	119	135	461	108	1.25	166	220	281	R.S.I.R	N	—	—	180	
			38	77	119	135	461	90	1.50	166	220	281	R.S.C.R		—	4/440	180	
AZA2350Y	1/8	5.00	38	77	119	135	461	108	1.25	166	220	281	R.S.I.R	N	36~43/330	—	180	
AZA1360Y	1/8	5.59	25	75	130	150	512	125	1.20	187	247	312	R.S.I.R	N	—	—	178	
			25	75	130	150	512	100	1.50	187	247	312	R.S.C.R		—	4/440	180	
AZA2360Y	1/8	5.59	25	75	130	150	512	125	1.20	187	247	312	C.S.I.R	N	36~43/330	—	178	
AZA1370Y	1/6	6.00	39	94	151	175	597	137	1.30	217	285	364	R.S.I.R	N	—	—	180	
			39	94	151	175	597	110	1.60	217	285	364	R.S.C.R		—	4/440	180	
AZA2370Y	1/6	6.00	39	94	151	175	597	137	1.30	217	285	364	R.S.I.R	N	36~43/330	—	180	
AE1370Y	1/6	6.91	65	119	177	200	682	145	1.40	240	305	370	R.S.I.R	N	—	—	184	
			65	119	177	200	682	132	1.55	240	305	370	R.S.C.R		—	4/440	184	
AE2370Y	1/6	6.91	65	119	177	200	682	145	1.40	240	305	370	C.S.I.R	N	36~43/330	—	176	
AE1390Y	1/5	8.10	115	163	214	240	819	172	1.40	290	388	485	R.S.I.R	F/O	—	—	184	
			115	163	214	240	819	160	1.50	290	388	485	R.S.C.R		—	4/440	184	
AE2390Y	1/5	8.10	115	163	214	240	819	190	1.30	290	338	485	C.S.I.R	F/O	36~43/330	—	184	
AE1410Y	1/4	9.42	129	183	249	280	955	204	1.40	347	450	566	R.S.I.R	F/O	—	—	200	
			129	183	249	280	955	186	1.50	347	450	566	R.S.C.R		—	4/440	200	
AE2410Y	1/4	9.42	129	183	249	280	955	215	1.30	347	450	566	C.S.I.R	F/O	36~43/330	—	184	
			129	183	249	280	955	210	1.35	347	450	566	C.S.R		36~43/330	8/450	184	
AE1413Y	5/16	10.90	166	225	297	325	1109	260	1.25	385	484	601	R.S.I.R	F/O	—	—	184	
			166	225	297	325	1109	245	1.35	385	484	601	R.S.C.R		—	4/450	184	
AE2413Y	5/16	10.90	166	225	297	325	1109	253	1.30	385	484	601	C.S.I.R	F/O	36~43/330	—	184	
AE2416Y	1/3	12.50	194	264	335	365	1245	274	1.35	440	563	699	C.S.R	F/O	36~43/330	8/450	200	
AEA2410Y	1/4	12.04	130	181	244	270	921	226	1.20	323	416	520	C.S.I.R	F/O	36~43/330	—	216	
AEA2413Y	5/16	14.14	166	227	302	330	1126	280	1.20	395	495	601	C.S.I.R	F/O	36~43/330	—	216	
AEA2415Y	1/3	16.15	160	241	334	370	1262	280	1.35	437	545	658	C.S.R	F/O	36~43/330	8/450	212	
AE2417Y	1/3	18.00	166	240	352	400	1365	325	1.25	505	695	930	C.S.R	F/O	36~43/330	10/440	216	
<b>115V/60Hz / 1 Ph.</b>																		
AZA1320Y-1	1/15	2.73	23	45	69	77	263	77	1.00	94	124	160	R.S.I.R	N	—	—	162	
AZA1327Y-1	1/15	3.28	40	58	84	95	324	83	1.15	115	152	198	R.S.I.R	N	—	—	168	
AZA1330Y-1	1/10	3.59	41	67	99	110	375	96	1.15	135	176	223	R.S.I.R	N	—	—	168	
AZA1335Y-1	1/10	3.80	40	68	102	115	392	100	1.15	141	186	239	R.S.I.R	N	—	—	168	
AZA1340Y-1	1/8	4.00	52	80	111	125	427	110	1.15	152	200	260	R.S.I.R	N	—	—	168	
AZA2340Y-1	1/8	4.00	52	80	111	125	427	110	1.15	152	200	260	C.S.I.R	N	108~130/250	—	168	
AZA1350Y-1	1/8	5.00	45	85	132	150	512	132	1.15	187	246	312	R.S.I.R	N	—	—	172	
AZA1360Y-1	1/6	5.59	49	102	162	185	631	155	1.20	230	303	385	R.S.I.R	N	—	—	178	
AZA2360Y-1	1/6	5.59	49	102	162	185	631	155	1.20	230	303	385	C.S.I.R	N	108~130/250	—	178	
AZA1370Y-1	1/6	6.00	57	110	172	195	665	170	1.15	241	320	410	R.S.I.R	N	—	—	178	
AE2410Y-1	1/4	9.42	117	189	270	300	1024	260	1.15	362	463	572	C.S.I.R	F/O	108~130/250	—	184	
AE2413Y-1	1/3	10.90	162	234	317	352	1201	302	1.20	417	526	647	C.S.I.R	F/O	108~130/250	—	184	

R134a			Cooling Capacity (Watt)										LBP					
Model	Power (HP)	Disp. (cc)	ASHRAE 32 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)	
			-23.3°C							-20°C	-15°C	-10°C						
			-35°C	-30°C	-25°C	Watt	BTU	Input	COP.									
<b>208-230V/60Hz / 1 Ph.</b>																		
AZA1320Y-2	1/15	2.95	30	48	69	77	263	77	1.00	94	123	157	R.S.I.R	N	—	—	168	
AZA1327Y-2	1/15	3.28	40	58	84	95	324	86	1.10	115	152	198	R.S.I.R	N	—	—	168	
AZA1330Y-2	1/10	3.59	41	67	99	110	375	95	1.20	135	176	223	R.S.I.R	N	—	—	168	
AZA1335Y-2	1/10	3.80	52	74	102	115	392	104	1.10	141	185	239	R.S.I.R	N	—	—	168	
AZA1340Y-2	1/8	4.00	46	79	114	128	437	112	1.15	157	205	266	R.S.I.R	N	—	—	168	
AZA1350Y-2	1/8	5.00	45	85	132	150	512	132	1.15	187	246	312	R.S.I.R	N	—	—	172	
AZA1360Y-2	1/6	5.59	49	100	159	183	624	148	1.25	229	301	381	R.S.I.R	N	—	—	168	
AE1370Y-2	1/5	8.12	65	124	187	210	717	184	1.15	258	335	424	R.S.I.R	N	—	—	189	
AE1390Y-2	1/4	9.42	129	183	249	280	955	235	1.20	347	450	566	R.S.I.R	F/O	—	—	202	
AE2370Y-2	1/5	8.12	65	124	187	210	717	185	1.15	258	335	424	C.S.I.R	N	36~43/330	—	189	
AE2390Y-2	1/4	9.42	129	183	249	280	955	236	1.20	347	450	566	C.S.I.R	F/O	36~43/330	—	202	
AE2410Y-2	1/4	14.14	117	195	282	312	1065	307	1.05	385	500	630	C.S.I.R	F/O	36~43/330	—	216	
AE2413Y-2	1/3	16.08	160	241	334	372	1269	349	1.10	452	596	751	C.S.R	F/O	36~43/330	8/450	216	
<b>100V/50-60Hz / 1 Ph.</b>																		
AZA1320Y-3	1/15	2.73	19	34	51	58	198	55	1.05	71	93	119	R.S.I.R	N	—	—	165	
			29	50	71	80	273	73	1.10	98	128	162	R.S.I.R		—	—	165	
AZA1330Y-3	1/10	3.59	33	52	76	85	290	74	1.15	105	139	177	R.S.I.R	N	—	—	168	
			35	62	95	105	358	96	1.10	130	170	218	R.S.I.R		—	—	168	
AE2360Y-3	1/6	6.91	68	109	156	175	597	152	1.15	213	278	356	C.S.R	N	36~43/250	15/440	189	
			62	120	186	210	717	183	1.15	258	335	418	C.S.R		36~43/250	15/440	189	
AE2370Y-3	1/5	8.10	97	135	187	208	710	174	1.20	255	337	433	C.S.R	F/O	36~43/250	15/440	189	
			76	147	220	250	853	217	1.15	300	382	470	C.S.R		36~43/250	15/440	189	
AE2390Y-3	1/4	9.42	82	144	212	240	819	192	1.25	292	384	485	C.S.R	F/O	108~130/250	15/440	189	
			121	183	257	290	989	232	1.25	353	466	583	C.S.R		108~130/250	15/440	189	
AE2415Y-3	3/8	12.05	165	238	322	355	1211	340	1.05	421	528	650	C.S.R	F/O	145~174/330	35/450	202	
			180	276	386	430	1467	390	1.10	530	705	930	C.S.R		145~174/330	35/450	202	
<b>110V/60Hz / 1 Ph.</b>																		
AZA1320Y-4	1/15	2.86	30	49	71	80	273	78	1.05	98	130	166	R.S.I.R	N	—	—	159	
AZA1330Y-4	1/10	3.59	35	62	95	105	358	96	1.10	130	170	218	R.S.I.R	N	—	—	168	
AZA1335Y-4	1/10	3.80	52	74	102	115	392	104	1.10	141	185	239	R.S.I.R	N	—	—	168	
AZA1340Y-4	1/8	4.00	46	79	116	130	444	112	1.20	160	210	270	R.S.I.R	N	—	—	168	
AZA1360Y-4	1/6	5.59	49	102	162	185	631	155	1.20	230	303	385	R.S.I.R	N	—	—	178	
AZA2360Y-4	1/6	5.59	49	102	162	185	631	155	1.20	230	303	385	C.S.I.R	N	108~130/250	—	178	
<b>220-240V/50Hz, 208-230V/60Hz / 1 Ph.</b>																		
AZA1330Y-6	1/10	3.59	27	53	80	90	307	87	1.05	111	144	187	R.S.I.R	N	—	—	168	
			40	66	98	110	375	105	1.05	137	180	229	R.S.I.R		—	—	168	
AZA1335Y-6	1/10	3.80	32	57	86	96	328	92	1.05	118	154	195	R.S.I.R	N	—	—	168	
			52	74	102	115	392	108	1.10	141	185	239	R.S.I.R		—	—	168	
AZA1350Y-6	1/8	5.00	38	77	119	135	461	109	1.25	166	220	281	R.S.I.R	N	—	—	178	
			45	85	132	150	512	125	1.20	187	246	312	R.S.I.R		—	—	178	
AZA1360Y-6	1/6	5.59	35	78	126	145	495	120	1.20	180	238	302	R.S.I.R	N	—	—	178	
			49	97	150	170	580	135	1.30	211	278	354	R.S.I.R		—	—	178	
AZA1370Y-6	1/5	6.00	40	90	145	165	563	155	1.10	207	275	345	R.S.I.R	N	—	—	178	
			57	110	172	195	665	160	1.25	241	320	410	R.S.I.R		—	—	178	
AZA1370Y-6	1/5	6.00	40	97	145	165	563	150	1.10	207	275	345	R.S.C.R	N	—	4/440	178	
			57	110	172	195	665	153	1.30	241	320	410	R.S.C.R		—	4/440	178	
AE1390Y-6	1/4	9.42	83	154	230	255	870	203	1.30	309	395	485	R.S.I.R	F/O	—	—	202	
			117	189	270	300	1024	236	1.30	362	463	572	R.S.I.R		—	—	202	

R134a			Cooling Capacity (Watt)											MBP/CBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
			-6.7°C							-5°C	0°C	5°C	+10°C					
			-20°C	-15°C	-10°C	Watt	BTU	Input	COP									
<b>220-240V/50Hz / 1 Ph.</b>																		
AZA0349Y	1/16	2.73	50	86	124	150	512	110	1.40	165	207	251	296	R.S.I.R	F	—	—	162
AZA9349Y	1/16	2.73	50	86	124	150	512	110	1.40	165	207	251	296	C.S.I.R	F	36~43/330	—	162
AZA0387Y	1/10	3.80	85	130	180	215	734	143	1.50	236	293	356	425	R.S.I.R	F	—	—	168
AZA9387Y	1/10	3.80	85	130	180	215	734	143	1.50	236	293	356	425	C.S.I.R	F	36~43/330	—	168
AZA0411Y	1/8	5.00	143	192	245	285	972	178	1.60	308	380	458	541	R.S.I.R	F	—	—	178
AZA9411Y	1/8	5.00	143	192	245	285	972	178	1.60	308	380	458	541	F	—	—	178	
AZA0413YK	1/6	6.00	105	191	280	340	1160	213	1.60	375	470	570	675	R.S.I.R	F	—	—	178
AZA9413Y	1/6	6.00	105	191	280	340	1160	213	1.60	375	470	570	675	C.S.I.R	F	36~43/330	—	178
AE6412Y	1/8	5.99	152	205	270	315	1075	193	1.65	345	436	540	650	R.S.I.R	F	—	—	189
AE7415Y	1/6	7.57	195	253	320	370	1262	250	1.50	400	504	648	840	C.S.I.R	F	36~43/330	—	188
AE9417Y	1/5	8.10	243	326	410	470	1604	260	1.80	502	588	680	775	C.S.R	F	36~43/330	8/450	184
AE9419Y	1/5	9.42	243	325	415	480	1638	330	1.45	512	610	707	805	C.S.I.R	F	36~43/330	—	189
AE7423Y	1/4	12.04	255	365	486	574	1958	360	1.60	620	768	930	1115	C.S.I.R	F	36~43/330	—	203
AE7426Y	1/4	14.14	295	415	550	640	2184	425	1.50	690	854	1037	1248	C.S.I.R	F	36~43/330	—	216
AE7430Y	1/3	16.08	380	498	633	745	2542	455	1.65	805	1015	1265	1583	C.S.R	F	36~43/330	8/450	216
AE9437Y	1/2	18.00	520	632	784	920	3139	532	1.75	987	1240	1570	1985	C.S.R	F	36~43/330	10/440	216
BA9426Y	1/3	12.03	295	415	550	650	2218	350	1.85	710	880	1070	1270	C.S.R	F	36~43/330	8/450	202
BA9430Y	3/8	14.14	400	521	661	760	2593	410	1.85	816	991	1195	1414	C.S.R	F	36~43/330	12/440	215
CA9437Y	3/8	18.00	520	632	784	920	3139	510	1.80	987	1240	1570	1985	C.S.R	F	36~43/330	10/440	215
CA9440Y	1/2	20.00	470	650	859	1000	3412	588	1.70	1080	1334	1660	2077	C.S.R	F	43~52/330	10/440	215
CA9445Y	5/8	22.30	540	730	942	1100	3753	667	1.65	1190	1490	1850	2280	C.S.R	F	43~52/330	15/440	215
WJ9430YK	3/8	19.80	450	570	735	880	3003	490	1.80	970	1286	1700	2174	C.S.R	F	88~106/330	15/440	264
WJ9440YK	1/2	21.55	420	609	847	1025	3497	560	1.85	1126	1441	1785	2177	C.S.R	F	88~106/330	15/440	264
WJ9445YK	5/8	24.20	570	774	999	1170	3992	640	1.85	1273	1594	1990	2462	C.S.R	F	88~106/330	20/440	264
WJ9450YK	5/8	26.75	640	891	1154	1348	4599	790	1.70	1456	1833	2280	2827	C.S.R	F	88~106/330	15/440	264
WJ9460YK	3/4	30.50	790	1044	1353	1580	5391	870	1.85	1714	2146	2655	3306	C.S.R	F	88~106/330	15/440	264
WJ9470Y	3/4	34.50	820	1084	1438	1720	5869	1010	1.70	1890	2441	3100	3858	C.S.R	F	88~106/330	15/440	264
<b>115V/60Hz / 1 Ph.</b>																		
AZA0349Y-1	1/16	2.73	78	112	150	176	601	128	1.40	190	238	295	360	R.S.I.R	F	—	—	168
AZA0370Y-1	1/10	2.95	85	121	162	191	652	137	1.40	207	259	323	396	R.S.I.R	F	—	—	168
AZA0387Y-1	1/10	3.80	108	157	212	252	860	168	1.50	274	341	422	520	R.S.I.R	F	—	—	168
AZA9387Y-1	1/10	3.80	108	157	212	252	860	168	1.50	274	341	422	520	C.S.I.R	F	88~106/330	—	168
AZA0411Y-1	1/8	5.00	170	221	286	334	1140	220	1.55	365	456	550	651	R.S.I.R	F	—	—	178
AZA0413YK-1	1/6	6.00	205	266	339	400	1365	255	1.60	435	545	660	775	R.S.I.R	F	—	—	178
AZA9413Y-1	1/6	6.00	200	264	330	384	1310	260	1.50	414	520	640	772	C.S.I.R	F	36~43/250	—	178
AE7423Y-1	1/4	12.04	310	427	569	674	2300	420	1.60	734	925	1150	1391	C.S.R	F	130~156/330	15/440	212
AE7426Y-1	1/3	14.14	400	521	661	762	2600	487	1.60	816	991	1195	1414	C.S.R	F	130~156/330	15/440	216
AE9437Y-1	1/2	18.00	540	680	850	986	3364	663	1.50	1080	1380	1700	2050	C.S.R	F	130~156/330	25/440	216
CA9437Y-1	1/2	18.00	542	690	865	1010	3446	697	1.45	1100	1390	1710	2060	C.S.I.R	F	130~156/330	—	215
CA9440Y-1	1/2	20.00	542	740	960	1120	3821	700	1.60	1215	1510	1850	2250	C.S.R	F	130~156/330	25/440	215
CA9445Y-1	5/8	22.30	590	810	1040	1215	4146	860	1.45	1315	1630	2000	2440	C.S.R	F	130~156/330	35/440	215
WJ9440YK-1	1/2	21.55	555	765	995	1180	4026	685	1.75	1283	1630	2020	2470	C.S.R	F	216~259/250	25/440	264
WJ9445YK-1	5/8	24.20	390	710	1085	1380	4709	810	1.70	1537	2010	2510	3000	C.S.R	F	216~259/250	30/440	264
WJ9460YK-1	3/4	30.50	700	1050	1490	1832	6251	1090	1.70	2020	2575	3220	3920	C.S.R	F	216~259/250	30/440	264
<b>208-230V/60Hz / 1 Ph.</b>																		
AZA0387Y-2	1/10	3.80	108	157	212	252	860	164	1.55	274	341	422	520	R.S.I.R	F	—	—	168
AZA0413YK-2	1/6	6.00	200	264	333	390	1331	265	1.50	420	530	650	785	R.S.I.R	F	—	—	178
AZA9413Y-2	1/6	6.00	205	266	339	400	1365	265	1.50	435	545	660	775	C.S.I.R	F	36~43/330	—	178
AE0412Y-2	1/7	5.99	191	250	317	370	1262	230	1.60	400	500	620	750	R.S.I.R	F	—	—	189
AE7423Y-2	1/4	12.04	310	427	569	670	2286	438	1.55	731	925	1150	1391	C.S.I.R	F	36~43/330	—	203

R134a			Cooling Capacity (Watt)											MBP/CBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
			-6.7°C								-5°C	0°C	5°C					
			-20°C	-15°C	-10°C	Watt	BTU	Input	COP									
<b>208-230V/60Hz / 1 Ph.</b>																		
AE9423Y-2	1/3	12.04	310	427	573	682	2327	396	1.75	740	935	1150	1391	C.S.R	F	36~43/330	8/450	203
AE7425Y-2	1/3	14.14	400	521	645	740	2525	497	1.50	792	957	1145	1350	C.S.I.R	F	36~43/330	—	216
AE7430Y-2	1/3	16.08	410	579	749	866	2955	530	1.65	935	1128	1340	1567	C.S.R	F	36~43/330	8/450	216
AE9437Y-2	1/2	18.00	530	675	860	1005	3429	635	1.60	1090	1380	1700	2050	C.S.R	F	36~43/330	10/440	214
CA9437Y-2	2/5	18.00	542	690	865	1010	3446	608	1.66	1100	1390	1710	2060	C.S.R	F	36~43/330	10/440	215
CA9440Y-2	1/2	20.00	542	761	986	1143	3900	700	1.65	1233	1518	1858	2269	C.S.R	F	43~52/330	10/440	215
CA9445Y-2	5/8	22.30	603	830	1060	1235	4214	775	1.60	1333	1642	2008	2459	C.S.R	F	43~52/330	15/440	215
WJ9440YK-2	1/2	21.55	545	760	990	1158	3951	680	1.70	1266	1590	2000	2450	C.S.R	F	88~106/330	20/440	264
WJ9445YK-2	5/8	24.20	360	690	1075	1366	4661	767	1.80	1520	1970	2460	2940	C.S.R	F	108~130/330	20/440	264
WJ9450Y-2	2/3	26.75	680	980	1330	1612	5500	850	1.90	1790	2400	3100	3900	C.S.R	F	108~130/330	15/425	264
WJ9460YK-2	3/4	30.50	690	1030	1480	1800	6142	1025	1.80	1990	2530	3170	3920	C.S.R	F	108~130/330	15/440	264
<b>100V/50-60Hz / 1 Ph.</b>																		
AZA0413YK-3	1/6	6.00	100	185	275	335	1143	240	1.40	370	464	563	665	R.S.I.R	F	—	—	178
			200	264	333	390	1331	254	1.55	420	530	650	785					
<b>110V/60Hz / 1 Ph.</b>																		
AE7423Y-4	1/4	12.04	310	427	569	670	2286	435	1.55	731	925	1150	1391	C.S.I.R	F	108~130/250	—	203
<b>220-240V/50Hz, 208-230V/60Hz / 1 Ph.</b>																		
AZA9387Y-6	1/10	3.80	85	130	180	215	734	143	1.50	236	293	356	425	C.S.I.R	F	36~43/330	—	168
			112	160	216	258	880	165	1.60	280	355	437	530					
AZA0411Y-6	1/8	5.00	143	192	245	285	972	178	1.60	308	380	458	541	R.S.I.R	F	—	—	178
			160	215	278	325	1109	203	1.60	355	443	542	647					
AZA9411Y-6	1/8	5.00	143	192	245	285	972	178	1.60	308	380	458	541	C.S.I.R	F	36~43/330	—	178
			160	215	278	325	1109	203	1.60	355	443	542	647					
AE7415Y-6	1/5	7.57	193	247	214	366	1249	260	1.45	395	502	644	835	C.S.I.R	F	36~43/330	—	188
			220	288	363	425	1450	283	1.50	466	595	750	920					
AE7423Y-6	1/4	12.04	255	365	486	574	1958	361	1.60	620	768	930	1115	C.S.R	F	36~43/330	4/440	202
			310	427	569	670	2286	438	1.55	731	925	1150	1391					
AE7430Y-6	1/3	16.08	380	490	615	722	2463	450	1.60	785	1010	1260	1580	C.S.R	F	36~43/330	8/450	216
			410	579	749	866	2955	530	1.65	935	1128	1340	1567					
CA9445Y-6	5/8	22.30	540	730	942	1100	3753	692	1.60	1190	1490	1850	2280	C.S.R	F	36~43/330	15/450	202
			603	830	1060	1235	4214	775	1.60	1333	1642	2008	2459					
R134a			Cooling Capacity (Watt)											HBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
			+7.2°C								-10°C	-5°C	0°C					
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	COP								
<b>220-240V/50Hz / 1 Ph.</b>																		
AZA3414Y	1/8	3.80	176	228	285	346	375	1280	175	2.15	417	R.S.I.R	F	—	—	168		
AZA4414Y	1/8	3.80	176	228	285	346	375	1280	175	2.15	417	C.S.I.R	F	36~43/330	—	168		
AZA3417Y	1/6	5.00	200	280	365	475	500	1706	233	2.15	555	R.S.I.R	F	—	—	168		
AZA4417Y	1/6	5.00	200	280	365	457	500	1706	233	2.15	555	C.S.I.R	F	36~43/330	—	168		
AZA3423Y	1/5	5.59	246	342	440	540	586	1999	257	2.30	642	R.S.I.R	F	—	—	168		
AZA3425Y	1/5	6.00	265	365	470	580	630	2150	285	2.25	700	R.S.I.R	F	—	—	178		
AZA4425Y	1/5	6.00	265	365	470	580	630	2150	300	2.10	700	C.S.I.R	F	36~43/330	—	178		
AE3425Y	1/5	7.57	287	385	505	655	730	2491	342	2.15	845	R.S.I.R	F	—	—	189		
AE4425Y	1/5	7.57	287	383	494	630	700	2388	327	2.15	794	C.S.I.R	F	36~43/330	—	183		
AE3430Y	1/4	8.86	358	464	595	760	850	2900	395	2.15	990	R.S.I.R	F	—	—	189		
AE4430Y	1/4	8.86	355	460	590	738	820	2798	390	2.10	940	C.S.I.R	F	36~43/330	—	176		
			355	460	590	738	820	2798	340	2.40	940	C.S.R		36~43/330	8/450	189		

R134a			Cooling Capacity (Watt)									HBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature									Motor Type	Cooling Type	Start Cap. ( $\mu$ F/VAC)	Run Cap. ( $\mu$ F/VAC)	Height "A" (mm)
			+7.2°C						Watt	BTU	Input					
			-10°C	-5°C	0°C	5°C										
<b>220-240V/50Hz / 1 Ph.</b>																
AE3435Y	1/4	9.42	395	500	625	800	892	3044	427	2.10	1020	R.S.I.R	F	—	—	189
AE4435Y	1/4	9.42	501	605	718	840	902	3078	440	2.10	980	C.S.I.R	F	36~43/330	—	189
			501	605	718	840	900	3071	375	2.40	980	C.S.R		36~43/330	8/450	189
AE4440Y	1/3	12.04	494	635	800	985	1075	3668	505	2.15	1195	C.S.I.R	F	36~43/330	—	202
			494	635	800	985	1075	3668	420	2.60	1195	C.S.R		36~43/330	8/450	202
AE4448Y	2/5	14.14	573	720	895	1095	1190	4060	575	2.10	1322	C.S.I.R	F	36~43/330	—	212
			567	725	906	1120	1220	4163	520	2.35	1359	C.S.R		36~43/330	12/440	212
AE4459Y	1/2	16.08	617	784	1011	1300	1450	4947	616	2.35	1651	C.S.R	F	43~52/330	15/440	216
AW4495YK	3/4	30.50	837	1135	1530	2070	2380	8121	850	2.80	2850	C.S.R	F	88~106/330	20/440	289
AW4513YK	1-1/4	35.60	1071	1470	2000	2680	3090	10543	1048	2.95	3700	C.S.R	F	88~106/330	30/440	289
AW4514YK	1-1/4	37.50	1113	1580	2150	2930	3334	11376	1100	3.00	3980	C.S.R	F	88~106/330	35/440	324
AW4515YK	1-3/8	39.60	1239	1700	2300	3060	3526	12031	1180	3.00	4200	C.S.R	F	88~106/330	35/440	324
AW4517YK	1-1/2	48.40	1600	2138	2860	3775	4298	14665	1485	3.00	5100	C.S.R	F	108~130/330	20/440	324
<b>115V/60Hz / 1 Ph.</b>																
AZA3414Y-1	1/8	3.80	190	252	324	405	445	1518	380	1.20	503	R.S.I.R	F	—	—	168
AZA4414Y-1	1/8	3.80	190	252	324	405	445	1518	380	1.20	503	C.S.I.R	F	88~106/330	—	168
AE3417Y-1	1/6	5.68	276	350	436	535	586	1999	288	2.00	654	R.S.I.R	F	—	—	189
AE3425Y-1	1/5	7.57	360	469	589	730	802	2736	400	2.00	896	R.S.I.R	F	—	—	189
AE4425Y-1	1/5	7.57	373	475	600	745	820	2798	420	2.00	930	C.S.I.R	F	108~130/250	—	189
AE4430Y-1	1/4	8.86	466	585	724	883	965	3293	432	2.25	1080	C.S.R	F	108~130/250	30/440	189
AE4440Y-1	1/3	12.04	500	640	815	1045	1174	4006	590	2.00	1350	C.S.R	F	108~130/250	20/440	202
AE4448Y-1	2/5	14.14	637	810	1025	1300	1456	4968	682	2.15	1688	C.S.R	F	108~130/250	20/440	212
AE4459Y-1	1/2	16.08	779	922	1160	1500	1700	5800	850	2.00	2000	C.S.R	F	130~156/330	25/440	216
<b>208-230V/60Hz / 1 Ph.</b>																
AZA3414Y-2	1/8	3.80	190	252	324	405	445	1518	215	2.10	503	R.S.I.R	F	—	—	168
AE3417Y-2	1/6	5.68	262	336	422	520	570	1945	295	2.00	630	R.S.I.R	F	—	—	189
AE3425Y-2	1/5	7.57	380	480	598	740	810	2764	392	2.10	920	R.S.I.R	F	—	—	189
AE4425Y-2	1/5	7.57	377	476	592	732	807	2753	390	2.10	915	C.S.I.R	F	36~43/330	—	189
AE3430Y-2	1/4	8.86	454	570	705	860	940	3207	460	2.05	1052	R.S.I.R	F	—	—	189
AE4430Y-2	1/4	8.86	454	570	705	860	940	3207	475	2.00	1052	C.S.I.R	F	36~43/330	—	189
			460	582	722	886	973	3320	436	2.25	1094	C.S.R		36~43/330	8/450	189
AE4440Y-2	1/3	12.05	590	760	945	1140	1230	4197	610	2.05	1360	C.S.I.R	F	36~43/330	—	202
			609	777	965	1180	1290	4401	533	2.45	1433	C.S.R		36~43/330	10/440	202
AE4448Y-2	2/5	14.14	698	880	1082	1300	1402	4784	627	2.25	1540	C.S.R	F	36~43/330	10/440	212
AE4459Y-2	1/2	16.08	830	1035	1260	1515	1645	5613	774	2.15	1830	C.S.R	F	36~43/330	15/440	212
AE0412Y-2	1/7	5.99	335	420	513	618	670	2286	307	2.20	735	R.S.I.R	F	—	—	189
AE7423Y-2	1/4	12.04	598	680	821	1100	1270	4333	560	2.30	1520	C.S.I.R	F	36~43/330	—	203
AE9423Y-2	1/3	12.04	598	680	821	1100	1270	4333	560	2.30	1520	C.S.R	F	36~43/330	8/450	203
AE7425Y-2	1/3	14.14	631	799	994	1260	1400	4777	608	2.30	1600	C.S.I.R	F	36~43/330	—	216
AE7430Y-2	1/3	16.08	749	915	1119	1430	1600	5459	695	2.30	1920	C.S.R	F	36~43/330	8/450	216
AE9437Y-2	1/2	18.00	881	1030	1268	1700	1950	6653	870	2.25	2300	C.S.R	F	36~43/330	10/440	214
CA9437Y-2	2/5	18.00	881	1030	1268	1700	1950	6653	848	2.30	2300	C.S.R	F	36~43/330	10/440	215
CA9440Y-2	1/2	20.00	900	1050	1330	1800	2070	7063	990	2.09	2450	C.S.R	F	43~52/330	10/440	215
CA9445Y-2	5/8	22.30	1100	1310	1585	2000	2235	7626	1080	2.07	2588	C.S.R	F	43~52/330	15/440	215
WJ9440YK-2	1/2	21.55	1050	1300	1580	1930	2100	7165	712	2.95	2400	C.S.R	F	88~106/330	20/440	264
WJ9445YK-2	5/8	24.20	1100	1471	1879	2360	2586	8823	876	2.95	2951	C.S.R	F	108~130/330	20/440	264
WJ9450Y-2	2/3	26.75	1200	1650	2200	2850	3200	10918	1066	3.00	3650	C.S.R	F	108~130/330	15/425	264
WJ9460YK-2	3/4	30.50	1380	1887	2471	3120	3468	11833	1130	3.05	3934	C.S.R	F	108~130/330	15/440	264



R134a			Cooling Capacity (Watt)									HBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature									Motor Type	Cooling Type	Start Cap.	Run Cap.	Height "A" (mm)
									+7.2°C							
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	COP	+10°C					
<b>208-230V/60Hz / 1 Ph.</b>																
AW4495YK-2	4/5	30.50	1000	1470	2000	2590	2925	9980	1075	2.75	3400	C.S.R	F	130~156/330	30/440	289
AW4513YK-2	1-1/4	35.60	1253	1750	2340	3140	3640	12420	1304	2.80	4400	C.S.R	F	108~130/330	35/440	289
AW4517YK-2	1-1/2	48.40	1750	2500	3360	4430	5000	17060	1760	2.85	5800	C.S.R	F	130~156/330	35/440	324
<b>100V/50-60Hz / 1 Ph.</b>																
AE4425Y-3	1/5	7.57	287	383	494	630	702	2395	356	2.00	794	C.S.I.R	F	108~130/250	—	189
			382	484	610	753	830	2832	393	2.10	940					
AE4430Y-3	1/4	8.86	358	464	595	745	820	2798	412	2.00	925	C.S.I.R	F	108~130/250	—	189
			458	584	720	868	940	3207	475	2.00	1035					
AE4440Y-3	1/3	12.04	494	635	800	985	1075	3668	560	1.95	1195	C.S.R	F	130~156/330	35/440	202
			639	801	970	1155	1245	4248	620	2.00	1370					
AE4448Y-3	2/5	14.14	659	813	992	1185	1280	4367	570	2.25	1410	C.S.R	F	130~156/330	35/440	216
			677	830	1025	1280	1430	4879	695	2.10	1676					
<b>110V/60Hz / 1 Ph.</b>																
AZA3414Y-4	1/8	3.80	207	260	324	402	445	1518	215	2.10	510	R.S.I.R	F	—	—	168
AE4425Y-4	1/5	7.57	370	478	601	745	818	2791	410	2.00	914	C.S.I.R	F	108~130/250	—	189
AE4430Y-4	1/4	8.86	466	590	728	880	960	3276	490	2.00	1065	C.S.I.R	F	108~130/250	—	189
			466	590	735	890	965	3293	432	2.25	1065	C.S.R		108~130/250	30/440	189
AE4440Y-4	1/3	12.04	648	810	987	1180	1270	4333	560	2.30	1415	C.S.R	F	108~130/250	30/440	203
AE4448Y-4	2/5	14.14	637	810	1025	1290	1450	4947	652	2.25	1688	C.S.R	F	108~130/250	20/440	216
<b>220-240V/50Hz, 208-230V/60Hz / 1 Ph.</b>																
AZA3417Y-6	1/6	5.00	200	280	365	457	500	1706	233	2.15	555	R.S.I.R	F	—	—	178
			240	319	418	537	600	2047	293	2.05	685					
AZA4417Y-6	1/6	5.00	200	280	365	457	500	1706	233	2.15	555	C.S.I.R	F	36~43/330	—	178
			240	319	418	537	600	2047	293	2.05	685					
AE3425Y-6	1/5	7.57	291	390	502	637	710	2423	343	2.10	810	R.S.I.R	F	—	—	183
			388	488	613	760	835	2849	396	2.15	933					
AE4425Y-6	1/5	7.57	287	383	494	630	700	2388	327	2.15	794	C.S.I.R	F	36~43/330	—	183
			388	488	605	745	821	2801	405	2.05	933					
AE4430Y-6	1/4	8.86	360	456	570	710	790	2695	320	2.50	906	C.S.R	F	36~43/330	10/450	183
			466	590	728	880	960	3276	390	2.50	1065					
AE4435Y-6	1/3	9.42	501	605	718	840	900	3071	370	2.45	980	C.S.R	F	36~43/330	10/450	183
			451	596	765	955	1050	3583	435	2.45	1188					
AE4440Y-6	1/3	12.04	494	635	800	985	1075	3668	456	2.40	1195	C.S.R	F	36~43/330	8/450	202
			648	810	987	1180	1277	4357	550	2.35	1415					
AE4448Y-6	2/5	14.14	656	820	998	1200	1304	4449	574	2.30	1460	C.S.R	F	36~43/330	10/440	216
			698	870	1070	1290	1401	4780	627	2.25	1569					
AE4459Y-6	1/2	16.08	617	784	1011	1290	1450	4947	615	2.40	1651	C.S.R	F	43~52/330	20/440	216
			830	1035	1260	1520	1650	5630	750	2.20	1830					
<b>380-420V/50Hz, 440-460V/60Hz / 3 Ph.</b>																
WJ4512YXG	1	34.50	1214	1655	2250	3000	3476	3476	1350	2.60	4263	3 Ph.	F	—	—	264
			1433	1950	2650	3535	4050	4050	1650	2.45	5000					
AW4520YXG	1-2/3	53.50	1967	2588	3488	4630	5352	5352	1575	3.40	6700	3 Ph.	F	—	—	324
			2292	3040	4063	5420	6234	6234	1850	3.40	7900					
AW4528YXG	2-1/3	71.00	2498	3370	4450	5900	6800	6800	2255	3.00	8600	3 Ph.	F	—	—	324
			3003	4050	5350	7100	8200	8200	2750	3.00	10000					

R600a			Cooling Capacity (watt)										LBP					
Model	Power (HP)	Disp. (cc)	ASHARE 32 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)	
			-23.3°C				-20°C			-15°C								-10°C
			-35°C	-30°C	-25°C	Watt	BTU	Input	COP	-20°C	-15°C	-10°C			-20°C	-15°C		-10°C
<b>220-240V/50Hz / 1 Ph.</b>																		
AZA1320M	1/20	3.80	29	38	50	55	188	42	1.30	66	87	114	R.S.C.R	N	—	3/450	168	
AZA1327M	1/20	4.00	33	44	59	65	222	46	1.40	79	103	130	R.S.C.R	N	—	3/450	168	
AZA1330M	1/20	5.00	36	49	63	70	239	50	1.40	85	110	138	R.S.C.R	N	—	4/450	168	
AZA1335M	1/20	5.60	46	60	78	85	290	66	1.40	99	125	155	R.S.C.R	N	—	4/450	172	
AZA1340M	1/10	6.00	54	69	87	95	324	64	1.45	109	137	167	R.S.C.R	N	—	4/440	172	
AE1340M	1/10	6.91	66	83	103	112	382	78	1.45	128	156	186	R.S.C.R	N/F	—	4/440	184	
AE1350M	1/10	8.10	82	102	124	132	450	90	1.50	149	177	210	R.S.C.R	N/F	—	5/450	184	
AE1360M	1/8	9.42	102	126	151	160	546	110	1.45	180	212	247	R.S.C.R	N/F	—	4/440	184	
BA1390M	1/5	14.14	145	182	221	235	802	142	1.65	263	307	352	R.S.C.R	N/F	—	5/450	202	
<b>115V/60Hz / 1 Ph.</b>																		
AZA1320M-1	1/20	3.80	33	44	59	65	222	64	1.05	79	103	130	R.S.I.R.	N	—	—	159	
AZA1327M-1	1/20	4.00	36	49	63	70	239	68	1.05	85	110	138	R.S.I.R.	N	—	—	168	
AZA1330M-1	1/20	5.00	46	60	78	85	290	80	1.10	99	125	155	R.S.I.R.	N	—	—	168	
AZA1340M-1	1/10	6.00	69	86	107	115	392	75	1.55	132	159	189	R.S.C.R	N	—	8/450	172	
AE1360M-1	1/5	9.42	118	145	174	185	631	126	1.50	206	242	277	R.S.C.R	N/F	—	8/450	176	
<b>208-230V/60Hz / 1 Ph.</b>																		
AZA1340M-2	1/10	6.00	69	86	107	115	392	76	1.50	132	159	189	R.S.C.R	N	—	4/440	172	
AE1360M-2	1/6	9.42	118	145	174	185	631	128	1.45	206	242	277	R.S.C.R	N/F	—	4/450	176	
<b>100V/50-60Hz / 1 Ph.</b>																		
AZA1340M-3	1/10	6.00	54	69	87	95	324	66	1.45	109	137	167	R.S.C.R	N	—	10/450	178	
			69	86	107	115	392	77	1.50	132	159	189						
AE1350M-3	1/8	8.10	80	100	122	130	444	102	1.30	148	176	208	R.S.I.R.	N/F	—	—	184	
			94	116	141	150	512	115	1.30	169	200	234						
R410A			Cooling Capacity (Watt)										HBP, A/C					
Model	Power (HP)	Disp. (cc)	ASHRAE 46/ Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)	
			+7.2°C				+10°C			+15°C								
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	EER	+10°C	+15°C			+10°C	+15°C		+10°C
<b>220-240V/50Hz / 1 Ph.</b>																		
AW5517B	1-1/2	25.80	2106	2690	3440	4260	4634	15811	1550	10.20	5490	7070	P.S.C	F	88~106/330	30/440	289	
AW5520B	1-3/4	27.80	2270	2900	3700	4580	5200	17742	1740	10.20	5900	7600	P.S.C	F	88~106/330	30/440	289	
AW5522B	2	30.50	2440	3260	4120	5050	5700	19448	1880	10.25	6360	8570	P.S.C	F	88~106/330	45/440	289	
AW5524B	2	32.70	2530	3350	4300	5405	6120	20881	2028	10.30	6900	9230	P.S.C	F	88~106/330	45/440	289	
AW5528B	2-1/2	35.60	3130	4120	5240	6500	7210	24601	2388	10.30	8300	10670	P.S.C	F	88~106/330	35/440	289	
AW5530B	2-1/2	37.50	3260	4280	5480	6800	7520	25658	2504	10.25	8500	11100	P.S.C	F	88~106/330	50/440	324	
AW5532B	2-3/4	39.60	4100	4990	6030	7250	7980	27228	2656	10.25	9100	12000	P.S.C	F	88~106/330	50/440	324	
AW5535B	3	43.10	3704	4980	6345	7850	8700	29684	2954	10.05	10000	13200	P.S.C	F	88~106/330	60/440	324	
AW5540B	3	48.40	4980	6100	7500	9070	10000	34120	3396	10.05	11300	14120	P.S.C	F	88~106/330	60/440	324	
AW5542B	3-1/2	50.60	5117	6350	7800	9450	10800	36850	3668	10.05	12200	16750	P.S.C	F	88~106/330	60/440	324	
<b>208-230V/60Hz / 1 Ph.</b>																		
AW5517B-2	1-1/2	25.80	2365	3015	3815	4780	5234	17858	1734	10.30	6125	7970	P.S.C	F	161~193/330	35/440	289	
AW5520B-2	1-3/4	27.80	2542	3240	4100	5140	6000	20472	1950	10.50	6600	8588	P.S.C	F	130~156/330	35/440	289	
AW5524B-2	2	32.70	3087	4020	5130	6570	7300	24908	2350	10.60	8700	11445	P.S.C	F	161~193/330	40/440	289	
AW5530B-2	2-1/2	37.50	3782	4965	6300	7890	8700	29684	2800	10.60	10100	13098	P.S.C	F	161~193/330	45/440	324	
AW5532B-2	2-3/4	39.60	4920	5964	7236	8600	9500	32414	3148	10.30	11000	14520	P.S.C	F	161~193/330	50/440	324	
AW5535B-2	3	43.10	4482	5929	7677	9550	10500	35826	3530	10.15	12050	16104	P.S.C	F	108~130/330	60/440	324	
AW5540B-2	3-1/2	48.40	6199	7600	9135	10900	12000	40944	4032	10.15	14000	18215	P.S.C	F	108~130/330	60/440	324	

R290			Cooling Capacity (Watt)										LBP					
Model	Power (HP)	Disp. (cc)	ASHRAE 32 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)	
			-23.3°C							-20°C	-15°C	-10°C						
			-35°C	-30°C	-25°C	Watt	BTU	Input	COP									
<b>220-240V/50Hz / 1 Ph.</b>																		
AZA2410N	1/4	5.59	138	179	235	260	887	192	1.35	325	429	541	C.S.I.R	F	36~43/330	—	178	
AZA2413N	1/3	6.00	157	203	265	295	1007	218	1.35	369	487	630	C.S.I.R	F	36~43/330	—	178	
AE2417N	2/5	9.42	236	305	400	445	1518	330	1.35	545	734	950	C.S.I.R	F	36~43/330	—	184	
AE2425N	5/8	16.08	250	395	547	605	2064	448	1.35	720	900	1100	C.S.R	F	43~52/330	8/450	215	
AE2428N	3/4	18.00	350	505	670	738	2518	545	1.35	860	1060	1250	C.S.R	F	88~106/330	20/440	215	
CA2435N	7/8	22.30	444	609	785	854	2914	612	1.40	1010	1240	1482	C.S.R	F	88~106/330	20/440	215	
WJ2450N	1-1/4	30.50	489	685	980	1105	3770	792	1.40	1389	1839	2353	C.S.R	F	145~174/330	25/440	264	
<b>115V/60Hz / 1 Ph.</b>																		
AE2415N-1	3/8	8.86	250	310	407	450	1535	333	1.35	550	750	1010	C.S.R	F	108~130/250	20/440	184	
AE2417N-1	2/5	9.42	283	370	475	524	1788	387	1.35	650	900	1210	C.S.R	F	108~130/250	20/440	184	
AE2425N-1	5/8	16.08	300	460	640	710	2423	525	1.35	855	1080	1320	C.S.R	F	108~130/330	20/440	215	
CA2432N-1	4/5	20.00	340	590	860	962	3282	715	1.35	1140	1420	1700	C.S.R	F	130~156/330	30/450	215	
CA2435N-1	7/8	22.30	500	740	990	1084	3699	805	1.35	1260	1550	1850	C.S.R	F	130~156/330	30/450	215	
WJ2440N-1	1	26.75	520	655	860	1185	4043	845	1.40	1380	2010	2650	C.S.R	F	243~292/250	40/425	264	
WJ2450N-1	1-1/4	30.50	621	880	1235	1404	4790	1006	1.40	1755	2336	2988	C.S.R	F	243~292/250	40/425	264	
<b>208-230V/60Hz / 1 Ph.</b>																		
WJ2440N-2	1	26.75	520	655	860	1185	4043	845	1.40	1380	2010	2650	C.S.R	F	145~174/330	30/440	264	
WJ2450N-2	1-1/4	30.50	621	880	1235	1404	4790	1006	1.40	1755	2336	2988	C.S.R	F	145~174/330	30/440	264	
R290			Cooling Capacity (Watt)										MBP/CBP					
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)	
			-6.7°C							-5°C	0°C	5°C						10°C
			-20°C	-15°C	-10°C	Watt	BTU	Input	COP									
<b>220-240V/50Hz / 1 Ph.</b>																		
AE9415N	1/5	5.48	215	267	328	380	1297	253	1.50	406	498	590	690	C.S.I.R	F	36~43/250	—	188
AE9422N	1/4	7.57	314	389	476	540	1842	348	1.55	577	697	832	988	C.S.I.R	F	36~43/330	—	188
AE9426N	5/16	8.85	377	469	573	650	2218	394	1.65	705	843	1010	1189	C.S.I.R	F	36~43/330	—	196
AE9435N	7/16	12.05	540	660	780	870	2968	496	1.75	925	1080	1245	1420	C.S.R	F	36~43/329	8/450	212
AE9440N	1/2	14.14	610	757	925	1050	3583	600	1.75	1125	1360	1620	1920	C.S.R	F	36~43/330	12/440	212
AE9445N	9/16	16.08	686	851	1040	1180	4026	676	1.75	1262	1512	1800	2158	C.S.R	F	36~43/330	15/440	212
AE9450N	5/8	18.00	791	981	1199	1360	4640	777	1.75	1455	1743	2100	2486	C.S.R	F	36~43/330	15/440	217
<b>115V/60Hz / 1 Ph.</b>																		
AZA0410N-1	1/8	3.59	120	175	240	290	989	166	1.75	315	405	510	638	R.S.I.R	F	—	—	178
AZA0413N-1	1/6	4.00	175	230	290	340	1160	194	1.75	370	470	600	748	R.S.I.R	F	—	—	178
AZA0416N-1	1/5	5.00	285	340	400	450	1535	264	1.70	485	600	770	990	R.S.I.R	F	—	—	178
AE9422N-1	1/4	7.57	367	465	573	650	2218	406	1.60	705	845	1020	1189	C.S.I.R	F	108~130/250	—	188
AE9426N-1	5/16	8.86	452	563	692	800	2730	500	1.60	842	1025	1230	1486	C.S.R	F	108~130/250	20/440	196
AE9430N-1	3/8	10.26	550	680	850	990	3378	583	1.70	1055	1265	1500	1750	C.S.R	F	108~130/250	20/440	196
AE9440N-1	1/2	14.14	726	901	1090	1250	4265	715	1.75	1340	1620	1950	2323	C.S.R	F	130~156/330	25/440	217
<b>208-230V/60Hz / 1 Ph.</b>																		
AE9422N-2	1/4	7.57	367	465	573	650	2218	406	1.60	695	835	1000	1189	C.S.I.R	F	43~52/330	—	188
AE9426N-2	5/16	8.86	463	577	705	800	2730	500	1.60	856	1028	1235	1468	C.S.I.R	F	43~52/330	—	196
AE9430N-2	3/8	10.26	550	7015	870	990	3378	583	1.70	1065	1265	1500	1750	CSR	F	43~52/330	15/450	196
AE9435N-2	7/16	12.04	600	775	965	1087	3709	620	1.75	1170	1410	1650	1915	CSR	F	43~52/330	15/450	212
AE9440N-2	1/2	14.14	744	940	1136	1290	4401	736	1.75	1381	1654	1980	2362	C.S.R	F	43~52/330	15/440	212
<b>220-240V/50Hz, 208-230V/60Hz / 1 Ph.</b>																		
AZA0413N-6	3/16	4.00	196	245	299	340	1160	194	1.75	366	450	560	678	R.S.I.R	F	—	—	178
			231	275	336	400	1365	229	1.75	431	545	660	775					

R404A/R507			Cooling Capacity (watt)										LBP					
Model	Power (HP)	Disp. (cc)	ASHRAE 32 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)	
			-23.3°C							Input	COP	-20°C						-15°C
			-35°C	-30°C	-25°C	Watt	BTU	Input	COP									
<b>220-240V/50Hz / 1 Ph.</b>																		
AZA2360Z	1/6	3.59	82	112	146	158	539	150	1.05	187	239	300	C.S.I.R	F	36~43/330	—	172	
AZA2370Z	1/6	4.00	93	129	173	190	648	172	1.10	223	276	330	C.S.I.R	F	36~43/330	—	172	
AZA2410Z	1/5	5.59	148	197	255	280	955	233	1.20	330	422	530	C.S.I.R	F	36~43/330	—	178	
AE2410ZK	1/5	5.99	130	176	242	270	921	239	1.15	325	420	530	C.S.I.R	F	36~43/330	—	189	
			150	198	258	284	969	213	1.35	336	430	540	C.S.R		36~43/330	5/450	189	
AE2413ZK	1/4	6.91	168	223	297	325	1109	284	1.15	380	473	570	C.S.I.R	F	36~43/330	—	189	
AE2416ZK	1/3	8.86	198	280	375	410	1399	352	1.20	485	601	720	C.S.I.R	F	36~43/330	—	189	
		8.10	198	280	375	410	1399	303	1.35	485	601	720	C.S.R		36~43/330	8/440	189	
AE2420ZK	1/2	12.04	328	385	454	480	1638	356	1.35	530	627	740	C.S.R	F	36~43/330	8/440	203	
AE2425ZK	5/8	14.14	335	435	562	613	2092	488	1.30	725	930	1180	C.S.R	F	36~43/330	8/450	216	
AE2428ZK	5/8	16.08	389	497	639	700	2388	560	1.25	820	1056	1320	C.S.R	F	43~52/330	8/450	216	
CA2432Z	7/8	18.00	343	515	704	774	2641	624	1.25	920	1168	1440	C.S.R	F	43~52/330	15/440	215	
CA2435Z	7/8	20.00	480	658	845	925	3156	740	1.25	1100	1375	1650	C.S.R	F	43~52/330	15/440	215	
CA2440Z	1-1/6	22.30	485	680	927	1020	3480	864	1.20	1240	1624	2100	C.S.R	F	108~130/330	20/440	215	
WJ2430ZK	5/8	19.80	151	348	600	703	2399	550	1.30	890	1232	1650	C.S.R	F	108~130/330	20/440	264	
WJ2435ZK	3/4	21.50	251	479	748	850	2900	637	1.35	1067	1438	1850	C.S.R	F	108~130/330	20/440	264	
WJ2440ZK	4/5	24.20	180	492	831	967	3299	731	1.35	1241	1693	2150	C.S.R	F	145~174/330	25/440	264	
WJ2450ZK	1-1/4	26.75	413	685	996	1114	3801	865	1.30	1389	1839	2350	C.S.R	F	145~174/330	25/440	264	
WJ2455ZK	1-3/8	30.50	677	949	1260	1378	4702	1050	1.35	1653	2103	2600	C.S.R	F	145~174/330	25/440	264	
WJ2460Z	1-1/2	34.50	899	1171	1480	1600	5459	1143	1.40	1875	2395	2980	C.S.R	F	145~174/330	30/425	264	
AW2450ZK	1-1/2	37.50	700	900	1140	1244	4245	929	1.35	1450	1780	2150	C.S.R	F	108~130/330	15/440	289	
AW2462ZK	1-3/4	39.60	930	1165	1430	1525	5203	1116	1.40	1760	2178	2700	C.S.R	F	108~130/330	20/440	289	
AW2464ZK	1-3/4	43.10	1004	1220	1475	1580	5391	1280	1.25	1800	2244	2750	C.S.R	F	130~156/330	30/440	289	
AW2495ZK	2-3/8	53.50	1055	1568	2105	2322	7923	1613	1.45	2760	3520	4300	C.S.R	F	145~174/330	25/440	324	
<b>115V/60Hz / 1 Ph.</b>																		
AE2410Z-1	1/4	5.99	162	206	275	300	1024	285	1.05	355	444	540	C.S.I.R	F	108~130/250	—	188	
AE2413Z-1	1/4	6.91	198	270	351	381	1300	375	1.05	450	560	674	C.S.I.R	F	108~130/250	—	188	
AE2420Z-1	1/2	12.04	312	397	495	536	1829	505	1.10	630	823	1050	C.S.R	F	108~130/330	25/440	216	
AE2425Z-1	5/8	10.90	376	488	620	674	2300	586	1.15	780	960	1150	C.S.R	F	108~130/330	20/440	200	
CA2432Z-1	4/5	18.00	390	564	770	845	2883	754	1.15	1008	1285	1620	C.S.R.	F	88~106/330	30/440	215	
CA2435Z-1	7/8	20.00	437	658	900	995	3395	865	1.15	1200	1540	1900	C.S.R	F	216~259/250	30/440	215	
CA2440Z-1	1	22.30	480	750	1041	1150	3924	1000	1.15	1360	1680	2030	C.S.R	F	243~292/250	35/440	215	
WJ2435Z-1	3/4	21.50	215	453	735	850	2900	747	1.15	1104	1540	2000	C.S.R	F	189~227/250	20/425	264	
WJ2450Z-1	1-1/4	26.75	532	790	1130	1270	4333	1035	1.25	1550	2020	2530	C.S.R	F	243~292/250	40/440	264	
WJ2455Z-1	1-1/2	30.50	895	1154	1460	1583	5401	1275	1.25	1850	2300	2820	C.S.R	F	243~292/250	40/440	264	
<b>208-230V/60Hz / 1 Ph.</b>																		
AE2410ZK-2	1/5	5.59	160	223	303	338	1153	278	1.25	400	510	625	C.S.I.R	F	36~43/330	—	189	
			160	223	303	338	1153	262	1.30	400	510	625	C.S.R		36~43/330	4/440	189	
AE2413ZK-2	1/4	6.91	190	265	350	383	1307	323	1.20	448	558	670	C.S.I.R	F	36~43/330	—	189	
			200	272	356	390	1331	300	1.30	458	568	680	C.S.R		36~43/330	4/440	189	
AE2416ZK-2	1/3	8.10	222	313	420	463	1580	348	1.35	550	690	850	C.S.R	F	36~43/330	5/440	189	
AE2420ZK-2	1/2	12.04	315	407	523	575	1962	475	1.25	678	868	1100	C.S.R	F	36~43/330	10/440	216	
AE2425ZK-2	5/8	14.14	365	477	615	670	2286	546	1.25	798	1023	1300	C.S.R	F	36~43/330	12/440	216	
AE2428ZK-2	5/8	16.08	400	555	730	800	2730	656	1.25	947	1200	1500	C.S.R	F	36~43/330	12/440	216	
CA2432Z-2	3/4	18.00	410	580	785	860	2934	747	1.10	1025	1310	1640	C.S.R	F	43~52/330	20/440	215	
CA2435Z-2	7/8	20.00	437	658	900	995	3395	917	1.10	1200	1540	1900	C.S.R	F	88~106/330	20/440	215	
CA2440Z-2	1	22.30	470	716	1000	1115	3804	973	1.15	1340	1700	2100	C.S.R	F	43~52/330	15/440	215	
WJ2440Z-2	1	24.20	490	735	1027	1145	3907	970	1.20	1400	1819	2300	C.S.R	F	108~130/330	20/425	264	
WJ2450Z-2	1-1/4	26.75	550	830	1170	1290	4401	1080	1.20	1560	2050	2600	C.S.R	F	130~156/330	25/440	264	
WJ2455Z-2	1-1/2	30.50	900	1160	1470	1590	5425	1275	1.25	1860	2320	2840	C.S.R	F	145~174/330	30/450	264	

R404A/R507			Cooling Capacity (watt)										LBP					
Model	Power (HP)	Disp. (cc)	ASHRAE 32 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (μF/VAC)	Run Cap. (μF/VAC)	Height "A" (mm)	
			-23.3°C															
			-35°C	-30°C	-25°C	Watt	BTU	Input	COP	-20°C	-15°C	-10°C						
<b>208-230V/60Hz / 1 Ph.</b>																		
AW2450ZK-2	1-1/2	37.50	465	890	1393	1575	5374	1260	1.25	1976	2647	3410	C.S.R	F	161~193/330	20/440	289	
AW2462ZK-2	1-3/4	39.60	550	1000	1515	1700	5800	1330	1.30	2100	2780	3550	C.S.R	F	161~193/330	20/440	289	
AW2464ZK-2	1-3/4	43.10	1113	1458	1813	1938	6612	1475	1.30	2176	2542	2908	C.S.R	F	161~193/330	20/440	289	
AW2495ZK-2	2-3/8	53.50	893	1523	2202	2450	8359	1800	1.40	2932	3716	4555	C.S.R	F	161~193/330	25/450	324	
AW2510ZK-2	2-3/4	71.00	900	1680	2600	2946	10052	2806	1.05	3630	4750	6000	C.S.R	F	216~259/250	45/440	324	
KA2512Z-2	3	93.00	1460	2280	3240	3625	12369	3120	1.20	4410	5720	7260	C.S.R	F	243~292/250	35/440	399	
<b>100V/50-60Hz / 1 Ph.</b>																		
AE2410ZK-3	1/5	5.99	153	195	257	284	969	280	1.00	345	445	558	C.S.I.R	F	108~130/250	—	189	
			158	222	301	333	1136	295	1.15	398	506	622						
AE2413ZK-3	1/4	6.91	168	223	297	325	1109	358	1.00	380	473	570	C.S.I.R	F	108~130/250	—	189	
			202	273	353	385	1314	360	1.10	452	562	678						
<b>110V/60Hz / 1 Ph.</b>																		
CA2435Z-4	1	20.00	510	737	990	1080	3685	980	1.10	1270	1575	1925	C.S.R	F	130~156/330	35/440	215	
<b>220-240V/50Hz, 208-230V/60Hz / 1 Ph.</b>																		
AW2495ZK-6	2-3/8	53.50	870	1440	2080	2322	7923	1613	1.45	2805	3588	4500	C.S.R	F	161~193/330	25/440	324	
			893	1523	2202	2450	8359	1800	1.40	2932	3716	4555						
<b>380-420V/50Hz, 460V/60Hz / 3 Ph.</b>																		
AW2450Z-9	1-1/4	37.50	700	960	1220	1320	4504	925	1.45	1520	1850	2200	3 Ph.	F	—	—	324	
			800	1040	1330	1430	4879	1025	1.40	1625	1945	2280						
AW2464Z-9	1-3/4	43.10	704	1006	1450	1670	5698	1130	1.50	2199	3114	4200	3 Ph.	F	—	—	324	
			759	1150	1680	1905	6500	1310	1.45	2360	3220	4300						
AW2495Z-9	2-3/8	53.50	1055	1568	2160	2393	8165	1560	1.55	2875	3661	4600	3 Ph.	F	—	—	324	
			1200	1730	2320	2544	8680	1725	1.50	3000	3800	4700						
AW2510Z-9	2-1/2	59.00	1192	1772	2429	2697	9202	1693	1.60	3250	4174	5200	3 Ph.	F	—	—	324	
			1230	1895	2620	2899	9891	1867	1.55	3430	4350	5400						
AW2512ZXG	3	71.00	1445	2130	2950	3282	11198	2550	1.30	4100	5492	7000	3 Ph.	F	—	—	324	
			1545	2340	3330	3722	12699	2960	1.26	4508	5829	7300						
<b>380V/60Hz / 3 Ph.</b>																		
AW2450ZXI	1-1/2	37.50	720	970	1250	1348	4599	1000	1.35	1550	1890	2270	3 Ph.	F	—	—	324	
AW2464ZXI	1-3/4	43.10	704	1006	1450	1680	5732	1250	1.35	2199	3114	4200	3 Ph.	F	—	—	324	
AW2495ZXI	1-3/4	53.50	930	1550	2240	2480	8462	1740	1.45	2970	3740	4600	3 Ph.	F	—	—	324	
AW2510ZXI	2	59.00	1205	1897	2640	2920	9963	2000	1.45	3562	4606	5700	3 Ph.	F	—	—	324	
<b>200-220V/50Hz, 200-230V/60Hz / 3 Ph.</b>																		
AW2510ZXT	2-1/2	71.00	1097	1630	2230	2477	8452	2252	1.10	3000	3882	4850	3 Ph.	F	—	—	324	
			1170	1842	2560	2843	9700	2585	1.10	3492	4514	5600						
KA2512ZXT	3	93.00	1300	1980	2900	3215	10970	2690	1.20	4000	5350	7100	3 Ph.	F	—	—	399	
			1500	2300	3280	3643	12430	3050	1.20	4430	5750	7300						
R404A/R507			Cooling Capacity (Watt)										MBP/CBP					
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (μF/VAC)	Run Cap. (μF/VAC)	Height "A" (mm)	
			-6.7°C															
			-20°C	-15°C	-10°C	Watt	BTU	Input	COP	-5°C	0°C	5°C			+10°C			
<b>220-240V/50Hz / 1 Ph.</b>																		
AE9420Z	1/5	6.92	260	354	455	527	1798	372	1.40	563	670	790	910	C.S.R	F	36~43/330	8/440	196
AE9426Z	1/4	7.57	305	428	550	630	2150	450	1.40	674	804	940	1074	C.S.I.R	F	36~43/330	—	204
BA7430Z	3/7	8.86	380	515	656	756	2579	495	1.55	808	960	1120	1280	C.S.R	F	43~52/330	8/440	205
BA7440Z	1/2	12.04	495	650	830	967	3299	616	1.60	1030	1240	1480	1742	C.S.R	F	36~43/330	15/440	215
BA9440Z	3/8	12.04	420	615	820	967	3299	616	1.60	1040	1260	1500	1748	C.S.R	F	36~43/330	15/440	215
BA7443Z	5/8	14.14	630	815	1005	1143	3900	770	1.50	1220	1460	1720	2000	C.S.R	F	36~43/330	20/440	215
BA7452Z	3/4	16.08	750	955	1170	1320	4504	895	1.50	1406	1630	1900	2180	C.S.R	F	43~52/330	15/440	215
BA7459Z	3/4	18.00	780	1009	1265	1450	4947	1030	1.45	1530	1820	2100	2420	C.S.R	F	43~52/330	20/440	215
CA7475Z	1	22.30	870	1216	1590	1846	6299	1440	1.30	1990	2410	2850	3300	C.S.R	F	88~106/330	20/450	215

R404A/R507			Cooling Capacity (Watt)											MBP/CBP								
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)				
			-6.7°C				-5°C				0°C								5°C			+10°C
			-20°C	-15°C	-10°C	Watt	BTU	Input	COP	-5°C	0°C	5°C	+10°C			-5°C	0°C		5°C	+10°C	-5°C	0°C
<b>220-240V/50Hz / 1 Ph.</b>																						
WJ9470Z	3/4	21.50	850	1180	1550	1810	6176	1050	1.70	1950	2400	2900	3456	C.S.R	F	88~106/330	20/440	264				
WJ9485Z	1-1/8	24.20	1200	1530	1900	2180	7438	1260	1.70	2350	2850	3450	4080	C.S.R	F	88~106/330	25/450	264				
WJ9490Z	1-1/8	26.70	1250	1600	2040	2345	8001	1400	1.70	2510	3050	3650	4320	C.S.R	F	108~130/330	20/440	264				
WJ9510Z	1-1/4	30.50	1400	1886	2375	2696	9199	1690	1.60	2900	3500	4200	5150	C.S.R	F	108~130/330	25/425	264				
WJ9513Z	1-5/8	34.50	1550	2150	2670	3157	10772	1955	1.60	3411	4090	4880	5762	C.S.R	F	108~130/330	30/425	264				
AW7512Z	1-1/4	37.50	1300	1910	2492	2902	9902	1687	1.75	1310	3850	4650	5472	C.S.R	F	130~156/330	30/440	289				
AW7514Z	1-7/8	43.10	1900	2520	3160	3664	12502	2034	1.80	3950	4850	5930	7296	C.S.R	F	130~156/330	40/440	289				
AW9516Z	2	53.50	2050	2935	3810	4396	14999	2585	1.70	4730	5690	6700	7800	C.S.R	F	161~193/330	40/440	324				
<b>115V/60Hz / 1 Ph.</b>																						
BA7440Z-1	1/2	12.05	470	700	950	1108	3780	829	1.35	1198	1472	1740	2040	C.S.R	F	36~43/330	15/440	215				
<b>208-230V/60Hz / 1 Ph.</b>																						
BA7440Z-2	1/2	12.04	550	765	986	1128	3849	732	1.55	1217	1460	1715	2000	C.S.R	F	36~43/330	12/440	215				
BA7443Z-2	5/8	14.14	575	810	1070	1257	4289	880	1.45	1365	1670	2020	2370	C.S.R	F	43~52/330	15/440	215				
BA7452Z-2	3/4	16.08	720	1010	1307	1515	5169	1140	1.35	1620	1970	2360	2789	C.S.R	F	88~106/330	15/440	215				
BA7459Z-2	3/4	18.00	900	1200	1524	1744	5951	1295	1.35	1880	2245	2660	3080	C.S.R	F	88~106/330	20/440	215				
CA9465Z-2	4/5	20.00	920	1260	1630	1895	6466	1466	1.30	2025	2450	2890	3300	C.S.R	F	43~52/330	20/440	215				
WJ9470Z-2	7/8	21.55	1150	1516	1900	2148	7329	1250	1.75	2322	2800	3320	3900	C.S.R	F	88~106/330	25/425	264				
AW7512Z-2	1-1/2	37.50	1800	2365	3050	3575	12198	2136	1.70	3870	4870	6000	7362	C.S.R	F	161~193/330	25/440	289				
AW7514Z-2	1-1/2	43.10	1500	2260	3080	3664	12502	2165	1.70	3973	4880	5860	6864	C.S.R	F	161~193/330	45/440	324				
AW7516Z-2	2	53.50	1600	2763	3900	4678	15961	2520	1.85	5075	6242	7400	8466	C.S.R	F	161~193/330	45/440	324				
AW9516Z-2	2	53.50	1600	2763	3900	4678	15961	2520	1.85	5075	6242	7400	8466	C.S.R	F	161~193/330	40/425	324				
AW7524Z-2	3	71.00	3000	4150	5400	6360	21700	3855	1.65	6900	8600	10700	13101	C.S.R	F	243~292/250	45/440	324				
<b>380-420V/50Hz, 460V/60Hz / 3 Ph.</b>																						
AW7512Z-9	1-1/2	37.50	1400	1900	2430	2872	9799	1525	1.90	3102	3900	4820	5863	3 Ph.	F	—	—	324				
			1700	2260	2940	3447	11761	1810	1.90	3760	4630	5600	6600									
AW7514Z-9	1-7/8	43.10	1900	2380	3000	3502	11949	1850	1.90	3783	4800	5900	7150	3 Ph.	F	—	—	324				
			2100	2850	3640	4250	14501	2228	1.90	4596	5730	7100	8795									
AW7516Z-9	2	53.50	1950	2670	3460	4038	13778	2353	1.75	4360	5400	6600	8000	3 Ph.	F	—	—	324				
			2300	3110	4050	4736	16159	2778	1.70	5150	6450	7970	9620									
KA9522ZXG	2-3/4	65.00	2500	3550	4650	5598	19100	2625	2.20	6200	7900	9700	11596	3 Ph.	F	—	—	399				
			3000	4150	5550	6536	22301	3035	2.20	7250	9200	11300	13475									
KA9524ZXG	3	70.00	3100	4100	5200	6096	20800	2800	2.20	6660	8400	10400	12543	3 Ph.	F	—	—	399				
			3500	4500	5800	6858	23399	3200	2.15	7500	9600	11900	14417									
KA9528ZXG	3-1/2	80.00	3600	4750	6000	7034	24000	3230	2.20	7610	9650	12000	15000	3 Ph.	F	—	—	399				
			3900	5300	6870	8060	27501	3690	2.20	8840	11200	13800	16722									
KA9531ZXG	4	90.00	4100	5550	7130	8382	28599	3675	2.30	9200	11456	14000	16760	3 Ph.	F	—	—	399				
			4500	5800	7720	9086	31001	4090	2.25	9940	12689	15900	19435									
KA9535ZXG	4-3/8	100.00	5000	6430	8060	9380	32005	4160	2.25	10180	12900	16000	19600	3 Ph.	F	—	—	399				
			6000	7300	8900	10258	35000	4710	2.20	11000	13949	17200	21366									
KA9540ZXG	5	115.00	6200	7690	9450	10786	36802	4880	2.20	11630	14100	17000	20582	3 Ph.	F	—	—	399				
			7200	8800	10400	11870	40500	5600	2.15	12700	15700	19400	23828									
<b>200-220V/50Hz, 200-230V/60Hz / 3 Ph.</b>																						
WJ9485ZXT	1-1/8	24.20	1100	1450	1830	2093	7141	1290	1.65	2250	2760	3350	4027	3 Ph.	F	—	—	264				
			1300	1630	2100	2462	8400	1450	1.70	2670	3280	4000	4731									
WJ9490ZXT	1-1/8	26.70	1350	1700	2120	2461	8397	1410	1.75	2680	3300	4080	4900	3 Ph.	F	—	—	264				
			1500	1930	2480	2880	9827	1610	1.80	3100	3800	4600	5426									
WJ9510ZXT	1-1/4	30.50	1450	1915	2400	2810	9588	1660	1.70	3010	3650	4400	5305	3 Ph.	F	—	—	264				
			1700	2260	2850	3282	11198	1900	1.75	3529	4300	5200	6291									
AW7512ZXT	1-1/2	37.50	1300	1780	2260	2640	9008	1580	1.70	2860	3530	4330	5257	3 Ph.	F	—	—	264				
			1600	2100	2693	3122	10652	1880	1.70	3370	4170	5100	6217									

R404A/R507			Cooling Capacity (Watt)											MBP/CBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (μF/VAC)	Run Cap. (μF/VAC)	Height "A" (mm)
			-6.7°C															
			-20°C	-15°C	-10°C	Watt	BTU	Input	COP	-5°C	0°C	5°C	+10°C					
<b>200-220V/50Hz, 200-230V/60Hz / 3 Ph.</b>																		
AW7514ZXT	1-2/3	43.10	1650	2110	2692	3120	10645	1850	1.70	3390	4300	5300	6400	3 Ph.	F	—	—	324
			1800	2450	3163	3668	12515	2200	1.70	3980	4900	6000	7304					
AW7516ZXT	2	53.50	1900	2696	3500	4038	13778	2156	1.90	4360	5400	6650	8084	3 Ph.	F	—	—	324
			2300	3150	4105	4736	16159	2928	1.65	5120	6300	7800	9481					
AW7524ZXT	3	71.00	2700	3600	4500	5276	18002	2930	1.80	5700	7000	8700	10562	3 Ph.	F	—	—	324
			3100	4188	5436	6272	21400	3564	1.80	6850	8500	10400	12556					
KA9524ZXT	3	70.00	2700	3800	4950	5835	19909	2695	2.20	6300	7770	9350	11000	3 Ph.	F	—	—	399
			2900	4000	5200	6096	20800	2765	2.20	6600	8200	10100	12543					
KA9531ZXT	3-7/8	90.00	4000	5400	6900	7963	27170	3620	2.20	8600	10700	13200	15922	3 Ph.	F	—	—	399
			5000	6031	7352	8460	28866	3800	2.25	9360	12150	15000	18096					
KA9535ZXT	4-3/8	100.00	5900	7050	8415	9500	32414	4210	2.30	10250	12666	15500	18530	3 Ph.	F	—	—	399
			6200	7200	8800	10130	34564	4530	2.25	10995	14000	17200	21101					
R404A/R507			Cooling Capacity (Watt)											HBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (μF/VAC)	Run Cap. (μF/VAC)	Height "A" (mm)
			7.2°C															
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	COP	+10°C							
<b>220-240V/50Hz / 1 Ph.</b>																		
AE4430Z	1/4	5.68	390	489	603	740	810	2764	400	2.05	907	C.S.I.R	F	36~43/330	—	—	183	
AE4435Z	1/3	6.92	482	582	695	830	900	3071	492	1.85	1000	C.S.I.R	F	36~43/330	—	—	183	
AE4440Z	1/3	7.57	550	670	806	960	1026	3501	590	1.75	1120	C.S.I.R	F	36~43/330	—	—	204	
<b>115V/60Hz / 1 Ph.</b>																		
AE4440Z-1	1/3	7.57	707	860	1030	1222	1318	4497	690	1.90	1450	C.S.I.R	F	36~43/330	—	—	215	
<b>208-230V/60Hz / 1 Ph.</b>																		
AE4430Z-2	1/4	5.68	462	579	715	880	960	3276	475	2.05	1072	C.S.R	F	36~43/330	12/440	—	215	
<b>380-420V/50Hz, 460V/60Hz / 3 Ph.</b>																		
AW4524ZXG	2	43.10	2897	3780	4788	5920	6460	22042	2140	3.05	7185	3 Ph.	F	—	—	324		
			3391	4453	5680	7000	7650	26102	2510	3.05	8511							
AW5524Z-9	2	39.60	2616	3405	4323	5350	5833	19902	1927	3.05	6487	3 Ph.	F	—	—	324		
			3103	4076	5199	6390	7002	23891	2304	3.05	7791							
AW5526Z-9	2-1/6	43.10	2897	3771	4788	5925	6460	22042	2140	3.05	7185	3 Ph.	F	—	—	324		
			3391	4453	5680	7000	7650	26102	2510	3.05	8511							
AW5534Z-9	3	53.50	3787	4827	5940	7180	7870	26852	2750	2.90	8900	3 Ph.	F	—	—	324		
			4425	5640	6972	8550	9350	31902	3250	2.90	10500							
AW5538Z-9	3-1/6	59.00	4412	5623	6850	8350	9168	31281	3235	2.85	10392	3 Ph.	F	—	—	324		
			5194	6607	8184	10000	10976	37450	3840	2.85	12306							
AW5540Z-9	3-1/3	63.00	4677	5900	7350	8900	9720	33165	3470	2.80	11000	3 Ph.	F	—	—	324		
			5459	6943	8601	10550	11535	39357	4225	2.75	12932							
AW5545Z-9	3-2/3	71.00	5420	6909	8479	10200	11265	38436	4085	2.80	12768	3 Ph.	F	—	—	324		
			6283	7991	9899	12100	13275	45294	4890	2.75	14884							
KA5542ZXG	3-1/2	65.00	5183	6550	8050	9600	10405	35502	3250	3.20	11596	3 Ph.	F	—	—	399		
			5954	7576	9345	11200	12163	41500	3810	3.20	13475							
KA5544ZXG	3-2/3	70.00	5823	7157	8650	10360	11255	38402	3460	3.25	12543	3 Ph.	F	—	—	399		
			6370	8105	9998	12050	13013	44400	4050	3.25	14417							
KA5552ZXG	4-1/3	80.00	6672	8261	9966	11950	12896	44001	4030	3.20	14372	3 Ph.	F	—	—	399		
			7388	9401	11597	13900	15094	51501	4755	3.20	16722							
KA5558ZXG	4-5/6	90.00	6593	8790	11200	13800	15035	51299	4555	3.30	16760	3 Ph.	F	—	—	399		
			7730	9990	12500	15500	17116	58400	5300	3.25	19435							
KA5564ZXG	5-1/3	100.00	8230	10192	12506	15150	16413	56001	5170	3.20	18296	3 Ph.	F	—	—	399		
			8498	10983	13949	17100	18816	64200	6100	3.10	21366							
KA5572ZXG	6	115.00	9258	11465	14100	17000	18464	62999	6040	3.10	20582	3 Ph.	F	—	—	399		
			9477	12249	15500	19300	20985	71601	7120	2.95	23828							

R404A/R507			Cooling Capacity (Watt)									HBP						
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
								7.2°C										
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	COP	+10°C							

380-420V/50Hz, 460V/60Hz / 3 Ph.

LA5590ZXG	7-1/2	174.00	7620	10900	14700	19300	21634	73815	7230	3.00	25000	3 Ph.	F	—	—	438
			9122	12847	17600	23100	25961	88579	8850	2.95	30200					
LA5610ZXG	8-1/3	197.00	11085	14700	18600	23200	25498	86999	8790	2.90	28739	3 Ph.	F	—	—	454
			13372	17700	22639	28200	30774	105001	10600	2.90	34500					
LA5612ZXG	10	211.00	12375	16188	20600	25700	28429	97000	9800	2.90	31965	3 Ph.	F	—	—	454
			14868	19700	25000	31600	35170	120000	12120	2.90	39900					

200-220V/50Hz, 200-230V/60Hz / 3 Ph.

KA5542ZXT	5-1/4	70.00	5548	6950	8480	10200	11137	37999	3420	3.30	12412	3 Ph.	F	—	—	399
			6083	7750	9520	11500	12427	42401	3760	3.30	13767					
KA5555ZXT	7	90.00	6290	8300	10600	13200	14344	48942	4560	3.15	15991	3 Ph.	F	—	—	399
			7243	9361	11800	14600	16038	54722	5150	3.15	18211					
KA5562ZXT	8	100.00	8339	10346	12717	15300	16690	56946	5230	3.20	18605	3 Ph.	F	—	—	399
			8469	10778	13500	16750	18464	62999	5885	3.15	20966					

R407C			Cooling Capacity (Watt)										MBP/CBP					
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
								-6.7 °C										
			-20°C	-15°C	-10°C	Watt	BTU	Input	COP	-5°C	0°C	5°C	10°C					

220-240V/50Hz / 1 Ph.

AE7445GK	5/8	16.08	670	820	990	1113	3798	800	1.40	1190	1440	1700	2000	C.S.R	F	36~43/330	15/440	216
CA7457G	1	18.00	700	930	1170	1337	4562	899	1.50	1440	1700	2000	2300	C.S.R	F	36~43/330	15/440	216
WJ9460GK	1	19.80	850	1070	1315	1490	5084	855	1.75	1585	1900	2250	2650	C.S.R	F	88~106/330	15/425	264
WJ9470GK	1	21.55	890	1127	1450	1700	5800	958	1.80	1850	1300	2800	3400	C.S.R	F	88~106/330	20/425	264
WJ9480GK	1-1/8	24.20	950	1250	1600	1900	6483	1100	1.75	2050	2550	3070	3600	C.S.R	F	88~106/330	25/440	264
WJ9485GK	1-1/4	26.70	970	1330	1780	2140	7302	1246	1.75	2345	2900	3500	4070	C.S.R	F	145~175/330	25/440	264
WJ9510GK	1-1/2	30.50	1200	1630	2100	2460	8394	1425	1.75	2640	3210	3800	4400	C.S.R	F	145~174/330	25/450	264

208-230V/60Hz / 1 Ph.

AE7445GK-2	2/3	14.14	950	1340	1770	2080	7097	970	2.15	2260	2810	3400	4000	C.S.R	F	36~43/330	15/440	214
WJ9460G-2	3/4	19.80	930	1240	1580	1846	6299	1050	1.80	1985	2450	2950	3480	C.S.R	F	88~106/330	20/440	264

220-240V/50Hz, 208-230V/60Hz / 1 Ph.

WJ9480G-6	1-1/8	24.20	960	1300	1660	1917	6541	1100	1.75	2050	2490	2950	3420	C.S.R	F	88~106/330	25/450	264
			1200	1590	2030	2345	8001	1360	1.75	2550	3120	3750	4400					

R407C			Cooling Capacity (Watt)										HMBP					
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
								+7.2°C										
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	COP	10°C							

220-240V/50Hz / 1 Ph.

AW4515GK	1-1/2	30.50	2000	2519	3100	3790	4085	13938	1390	2.95	4520	C.S.R	F	108~130/330	25/440	289
AW4517GK	1-1/2	32.70	2200	2760	3370	4080	4440	15149	1536	2.90	4900	C.S.R	F	108~130/330	30/440	289
AW4519GK	1-3/4	35.60	2450	3040	3720	4470	4835	16497	1688	2.90	5290	C.S.R	F	108~130/330	25/440	289
AW4520GK	1-3/4	37.50	2750	3380	4080	4850	5200	17742	1738	3.00	5700	C.S.R	F	108~130/330	35/440	324
AW4522GK	2	39.60	3040	3730	4470	5280	5667	19336	1895	3.00	6170	C.S.R	F	108~130/330	35/440	324
AW4524GK	2	43.10	3400	4120	4890	5740	6140	20950	2090	2.95	6680	C.S.R	F	108~130/330	45/440	324
AW4528GK	2-1/2	48.40	4100	4900	5750	6690	7108	24252	2415	2.95	7700	C.S.R	F	130~156/330	35/440	324
AW4532GK	2-3/4	53.50	4600	5470	6400	7400	7870	26852	2678	2.95	8500	C.S.R	F	130~156/330	50/440	324

208-230V/60Hz / 1 Ph.

AW4519GK-2	1-2/3	35.60	2540	3150	3835	4610	4974	16971	1950	2.55	5455	C.S.R	F	88~106/330	30/440	289
AW4524GK-2	2	43.10	4100	4900	5750	6690	7100	24225	2420	2.95	7700	C.S.R	F	108~130/330	35/440	324
AW4528GK-2	2-1/2	48.40	4800	5650	6640	7660	8148	27801	2780	2.95	8800	C.S.R	F	130~156/330	35/440	324
AW4532GK-2	2-2/3	53.50	5680	6600	7640	8800	9370	31970	3228	2.90	10100	C.S.R	F	130~156/330	50/440	324



R407C			Cooling Capacity (Watt)										HBP, A/C				
Model	Power (HP)	Disp. (cc)	ASHRAE 46/ Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
							+7.2°C										
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	EER	10°C	+15°C					

220-240V/50Hz / 1 Ph.

AW5513GK	1-1/2	30.50	1376	1810	2390	3040	3380	11533	1317	8.75	3860	4861	P.S.C.	F	—	25/440	289
AW5515GK	1-1/2	32.70	1590	2072	2650	3370	3800	12966	1483	8.75	4400	5655	P.S.C.	F	—	30/440	289
AW5517GK	1-3/4	35.60	2020	2545	3120	3850	4170	14228	1626	8.75	4800	6163	P.S.C.	F	—	30/440	289
AW5518GK	1-3/4	37.50	1965	2600	3250	4100	4526	15443	1646	9.40	5200	6680	P.S.C.	F	—	35/440	289
AW5519GK	2	39.60	2143	2843	3632	4500	4952	16896	1808	9.35	5750	7460	P.S.C.	F	—	35/440	289
AW5520GK	2	43.10	2193	2889	3750	4800	5260	17947	1983	9.05	6100	7910	P.S.C.	F	—	45/440	324
AW5525GK	2-1/2	48.40	2765	3610	4600	5880	6527	22270	2265	9.85	7500	9350	P.S.C.	F	—	35/440	324
AW5527GK	2-1/2	50.60	2929	3780	4820	6000	6598	22512	2403	9.40	7580	9972	P.S.C.	F	—	50/440	324
AW5530GK	2	53.50	3576	4400	5300	6400	7033	23997	2430	9.90	8100	10173	P.S.C.	F	—	50/440	324

208-230V/60Hz / 1 Ph.

AW5519GK-2	1-2/3	35.60	1808	2518	3372	4430	4974	16971	1950	8.70	5800	7386	P.S.C.	F	—	30/440	289
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380-420V/50Hz, 460V/60Hz / 3 Ph.

AW5519G-9	1-1/2	39.60	1913	2543	3285	4160	4602	15702	1536	10.25	5200	6359	3 Ph.	F	—	—	324
			2311	3054	3925	4985	5539	18899	1854	10.20	6400	8026					
AW5524G-9	2	43.10	2639	3408	4260	5280	5800	19790	1918	10.35	6500	7863	3 Ph.	F	—	—	324
			3120	4051	5100	6300	6908	23570	2278	10.35	7730	9326					
AW5528G-9	2-1/3	48.40	3049	3994	5053	6210	6800	23202	2230	10.40	7600	9042	3 Ph.	F	—	—	324
			3679	4834	6133	7580	8270	28217	2670	10.55	9260	10945					
AW5532G-9	2-5/8	53.50	3564	4504	5582	6770	7440	25385	2520	10.10	8300	9911	3 Ph.	F	—	—	324
			4295	5469	6789	8300	9086	31001	3030	10.25	10250	12375					
KA5560GXG	5	100.00	6600	8584	11044	14010	15534	53002	4736	11.20	17800	22026	3 Ph.	F	—	—	399
LA5590GXG	7-1/2	174.00	10269	13240	16524	20250	21980	74996	7580	9.90	24600	29085	3 Ph.	F	—	—	438
			10556	14600	19040	24100	26378	90002	9090	9.90	29700	35952					
LA5612GXG	10	211.00	14259	17630	21523	26000	28430	97003	9800	9.90	32000	38309	3 Ph.	F	—	—	438
			17624	22090	27015	32500	35170	120000	12120	9.90	38800	45793					

R22			Cooling Capacity (Watt)										MBP/CBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
							-6.7°C										
			-20°C	-15°C	-10°C	Watt	BTU	Input	COP	-5°C	0°C	5°C					

220-240V/50Hz / 1 Ph.

AE6412EK	1/6	4.50	130	190	248	290	989	240	1.20	313	380	450	525	C.S.R	F	36~43/330	15/440	189
AE7415EK	1/5	5.48	150	225	307	370	1262	310	1.20	405	505	607	715	C.S.I.R	F	36~43/250	—	189
AE7422EK	1/4	7.57	250	360	468	550	1877	420	1.30	595	720	850	997	C.S.I.R	F	36~43/330	—	189
AE9422EK	1/4	7.57	280	390	506	595	2030	417	1.45	640	783	937	1090	C.S.I.R	F	36~43/330	—	203
AE7426EK	1/4	8.86	300	410	540	640	2184	480	1.35	705	885	1080	1286	C.S.I.R	F	36~43/330	—	201
AE7435EK	7/16	12.04	450	600	760	870	2968	550	1.60	935	1120	1330	1576	C.S.R	F	36~43/330	8/440	216
AE7440EK	1/2	14.14	630	768	910	1010	3446	660	1.55	1073	1243	1440	1680	C.S.R	F	36~43/330	12/440	216
BA7440EK	1/2	14.14	630	768	910	1010	3446	660	1.55	1073	1243	1440	1680	C.S.R	F	36~43/330	12/440	216
BA7445EK	5/8	16.08	650	800	980	1120	3821	780	1.55	1190	1450	1730	2016	C.S.R	F	36~43/330	15/440	216
WJ9460EK	2/3	19.80	600	896	1231	1490	5084	855	1.75	1640	2130	2670	3288	C.S.R	F	88~106/330	15/440	264
WJ9470EK	3/4	21.55	800	1121	1459	1700	5800	958	1.75	1855	2290	2800	3326	C.S.R	F	88~106/330	20/440	264
WJ9480EK	4/5	24.20	1000	1324	1651	1900	6483	1100	1.75	2050	2520	3100	3737	C.S.R	F	88~106/330	25/450	264
WJ9485EK	1	26.70	1080	1447	1860	2140	7302	1246	1.75	2311	2850	3500	4208	C.S.R	F	145~174/330	25/425	264
WJ9510EK	1	30.50	1300	1691	2141	2460	8394	1425	1.75	2640	3180	3800	4514	C.S.R	F	145~174/330	25/440	264
WJ9513E	1-1/3	34.50	1700	2139	2665	3031	10342	1638	1.85	3251	3928	4730	5665	C.S.R	F	108~130/330	30/440	264

115V/60Hz / 1 Ph.

AE7422EK-1	1/5	7.57	350	460	580	667	2276	520	1.30	720	870	1030	1200	C.S.I.R	F	108~130/330	—	189
AE9430EK-1	1/3	8.86	450	580	720	815	2781	565	1.45	870	1025	1200	1380	C.S.R	F	108~130/330	20/440	202

R22			Cooling Capacity (Watt)											MBP/CBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
			-6.7°C								+10°C							
			-20°C	-15°C	-10°C	Watt	BTU	Input	COP	-5°C	0°C	5°C	+10°C					

208-230V/60Hz / 1 Ph.

AE7415EK-2	1/6	5.48	233	303	380	430	1467	360	1.20	465	565	680	804	C.S.I.R	F	36~43/250	—	189
AE7422EK-2	1/4	7.57	400	490	590	656	2238	490	1.35	695	810	930	1060	C.S.I.R	F	36~43/250	—	189
AE7426EK-2	1/3	8.86	500	600	705	785	2678	577	1.35	820	940	1070	1210	C.S.I.R	F	36~43/250	—	201
AE7435EK-2	2/5	12.04	650	770	895	985	3361	690	1.45	1030	1170	1310	1460	C.S.R	F	36~43/330	8/450	216
AE7440EK-2	1/2	14.14	800	930	1065	1173	4002	793	1.50	1240	1420	1600	1780	C.S.R	F	36~43/330	15/440	216
AE7445E-2	1/2	16.08	900	1030	1185	1300	4436	987	1.35	1365	1557	1770	2000	C.S.R	F	36~43/330	25/440	216
WJ9460E-2	3/4	19.80	1200	1445	1675	1846	6299	1050	1.80	1935	2200	2480	2750	C.S.R	F	88~106/330	20/440	264

110V/60Hz / 1 Ph.

AE7415EK-4	1/6	5.48	233	303	380	435	1484	408	1.10	467	565	680	804	C.S.I.R	F	108~130/250	—	189
AE7422EK-4	1/4	7.57	400	490	590	653	2228	502	1.30	691	810	930	1060	C.S.I.R	F	108~130/250	—	189
			400	490	590	660	2252	475	1.40	700	817	940	1070	C.S.R		108~130/250	10/440	
AE7426EK-4	1/3	8.86	540	630	740	816	2784	550	1.50	860	990	1125	1270	C.S.R	F	108~130/250	20/440	202

R22			Cooling Capacity (Watt)											HBP				
Model	Power (HP)	Disp. (cc)	ASHRAE 46 /Evaporating Temperature											Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)
			+7.2°C								+10°C							
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	COP	+10°C							

220-240V/50Hz / 1 Ph.

AE3422EK	1/6	4.50	295	355	426	510	553	1887	320	1.75	610	R.S.I.R	F	—	—	189
AE4422EK	1/6	4.50	296	361	434	520	564	1924	357	1.60	625	C.S.I.R	F	36~43/250	—	189
AE4430EK	1/4	6.92	472	568	674	795	852	2907	467	1.85	928	C.S.R	F	36~43/330	8/450	202
AE4440EK	1/4	7.57	520	641	777	925	1000	3412	453	2.20	1090	C.S.R	F	36~43/330	8/450	202
AE4448EK	2/5	8.85	630	774	929	1095	1172	3999	560	2.10	1280	C.S.R	F	36~43/330	8/450	202
AE4474EK	5/8	14.14	883	1100	1360	1650	1800	6142	840	2.15	1980	C.S.R	F	36~43/330	15/440	212
AW4515EK	1-1/6	30.50	1546	2117	2809	3650	4085	13938	1390	2.95	4677	C.S.R	F	108~130/330	25/440	289
AW4517EK	1-1/2	32.70	1696	2303	3055	3985	4440	15149	1536	2.90	5159	C.S.R	F	108~130/330	30/440	289
AW4519EK	1-1/2	35.60	1960	2620	3415	4360	4835	16497	1688	2.90	5600	C.S.R	F	108~130/330	25/440	289
AW4520EK	1-1/2	37.50	2287	2989	3800	4750	5200	17742	1738	3.00	5829	C.S.R	F	108~130/330	35/440	324
AW4522EK	1-5/8	39.60	2397	3228	4145	5180	5667	19336	1895	3.00	6336	C.S.R	F	108~130/330	35/440	324
AW4524EK	2	43.10	3350	4100	4908	5750	6140	20950	2090	2.95	6700	C.S.R	F	108~130/330	45/440	324
AW4528EK	2	48.40	2900	3889	5055	6430	7108	24252	2415	2.95	7986	C.S.R	F	130~156/330	35/440	324
AW4530EK	2	50.60	3706	4604	5608	6760	7327	25000	2498	2.95	8101	C.S.R	F	88~106/330	50/440	324
AW4532EK	2-3/4	53.50	3576	4691	5863	7200	7870	26852	2678	2.95	8870	C.S.R	F	130~156/330	50/440	324

115V/60Hz / 1 Ph.

AE4440EK-1	1/3	7.57	640	760	900	1095	1215	4146	615	2.00	1420	C.S.R	F	108~130/330	20/440	202
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208-230V/60Hz / 1 Ph.

AE4430EK-2	1/4	6.92	507	600	728	865	940	3207	585	1.60	1040	C.S.R	F	36~43/330	8/450	202
AE4440EK-2	1/3	7.57	630	780	940	1118	1200	4094	568	2.10	1310	C.S.R	F	36~43/330	8/450	202
AE4448EK-2	3/8	8.86	690	840	1025	1239	1350	4606	725	1.90	1500	C.S.R	F	36~43/330	8/450	202
AE4474EK-2	5/8-	14.14	1087	1380	1675	2000	2165	7387	1070	2.05	2364	C.S.R	F	36~43/330	15/440	216
AW4528EK-2	2-1/2	48.40	2962	4200	5600	7300	8148	27801	2780	3.00	9225	C.S.R	F	130~156/330	35/440	324
AW4532EK-2	2-3/4	53.50	3200	4400	6000	8150	9370	31970	3228	3.00	11040	C.S.R	F	130~156/330	50/440	324

110V/60Hz / 1 Ph.

AE4430EK-4	1/4	6.92	510	615	740	880	960	3276	600	1.60	1100	C.S.R	F	108~130/250	20/440	202
AE4440EK-4	1/3	7.57	625	750	910	1128	1245	4248	595	2.10	1400	C.S.R	F	108~130/250	15/440	202
AE4448EK-4	2/5	8.86	700	850	1050	1305	1465	4999	727	2.10	1700	C.S.R	F	108~130/250	20/440	202

R22			Cooling Capacity (Watt)										HBP, A/C					
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (μF/VAC)	Run Cap. (μF/VAC)	Height "A" (mm)	
			+7.2°C															
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	EER	+10°C	+15°C						
<b>220-240V/50Hz / 1 Ph.</b>																		
WJ5510EK	3/4	19.80	1285	1653	2060	2500	2700	9212	1084	8.50	2957	3460	P.S.C.	F	—	15/440	264	
WJ5513EK	1-1/12	21.50	1363	1820	2343	2930	3165	10799	1214	8.90	3536	4200	P.S.C.	F	—	20/440	264	
WJ5515EK	1-1/4	24.20	1590	2075	2620	3220	3543	12089	1358	8.90	3925	4700	P.S.C.	F	—	25/440	264	
WJ5516EK	1-1/3	26.75	1895	2390	2960	3600	3970	13546	1530	8.85	4350	5200	P.S.C.	F	—	25/440	264	
WJ5518EK	1-1/4	30.50	2014	2617	3291	4055	4460	15218	1720	8.85	4911	5820	P.S.C.	F	—	25/440	264	
AW5515EK	1-1/6	30.50	1720	2250	2950	3710	4085	13938	1390	10.05	4570	5500	P.S.C.	F	—	25/440	289	
AW5517EK	1-1/2	32.70	1816	2410	3083	3980	4400	15013	1430	10.50	5032	6300	P.S.C.	F	—	30/440	289	
AW5519EK	1-1/2	35.60	1960	2620	3415	4340	4835	16497	1570	10.50	5500	6900	P.S.C.	F	—	30/440	289	
AW5520EK	1-3/4	37.50	2258	3000	3850	4760	5200	17742	1610	11.00	5820	6930	P.S.C.	F	—	35/440	324	
AW5522EK	2	39.60	2455	3230	4100	5000	5450	18595	1690	11.00	6000	7050	P.S.C.	F	—	35/440	324	
AW5524EK	2	43.10	2641	3500	4440	5560	6096	20800	1855	11.20	6850	8200	P.S.C.	F	—	45/440	324	
AW5528EK	2-1/3	48.40	3118	4100	5239	6500	7200	24566	2190	11.20	8250	10500	P.S.C.	F	—	50/440	324	
AW5530EK	2-1/2	50.60	3615	4520	5650	6830	7540	25726	2300	11.20	8350	10000	P.S.C.	F	—	50/440	324	
AW5532EK	2-3/4	53.50	3437	4530	5796	7220	7970	27194	2425	11.20	9000	11000	P.S.C.	F	—	50/440	324	
AW5535EK	3	59.00	3786	5000	6350	8000	8800	30026	2710	11.10	10005	12300	P.S.C.	F	—	60/440	324	
AW5538E	3-1/6	63.00	4500	5660	7000	8500	9300	31732	2880	11.00	10200	12100	P.S.C.	F	—	60/440	324	
AW5542E	3-1/2	70.95	5943	7067	8300	9750	10660	36372	3300	11.00	11700	14000	P.S.C.	F	—	60/440	324	
<b>208-230V/60Hz / 1 Ph.</b>																		
WJ5510EK-2	5/6	19.80	1490	1970	2510	3090	3390	11567	1375	8.40	3800	4500	P.S.C.	F	—	15/440	264	
WJ5513EK-2	1-1/12	21.50	1649	2205	2835	3500	3810	13000	1520	8.55	4250	5100	P.S.C.	F	—	25/440	264	
WJ5515EK-2	1-1/4	24.20	1927	2500	3158	3870	4220	14399	1655	8.70	4749	5700	P.S.C.	F	—	25/440	264	
WJ5516EK-2	1-1/3	26.75	2175	2814	3467	4300	4720	16105	1830	8.80	5324	6450	P.S.C.	F	—	25/440	264	
WJ5518EK-2	1-1/2	30.50	2625	3246	4072	5000	5480	18698	2100	8.90	6144	7500	P.S.C.	F	—	30/440	264	
AW5513EK-2	1-1/4	27.80	1775	2290	3010	3900	4330	14774	1470	10.05	4945	6150	P.S.C.	F	—	25/440	289	
AW5515EK-2	1-1/2	30.50	1984	2670	3480	4430	4900	16719	1647	10.15	5564	6900	P.S.C.	F	—	25/440	289	
AW5517EK-2	1-1/2	32.70	2180	2900	3800	4900	5430	18527	1640	11.30	6200	7600	P.S.C.	F	—	30/440	289	
AW5519EK-2	1-3/4	35.60	2457	3271	4173	5250	5800	19790	1752	11.30	6500	7800	P.S.C.	F	—	35/440	289	
AW5520EK-2	1-3/4	37.50	2601	3466	4440	5600	6240	21291	1884	11.30	6950	8400	P.S.C.	F	—	35/440	324	
AW5522EK-2	2	39.60	2705	3605	4680	6000	6600	22519	1992	11.30	7500	9200	P.S.C.	F	—	30/440	324	
AW5524EK-2	2	43.10	3021	4030	5200	5660	7320	24976	2172	11.50	8200	10300	P.S.C.	F	—	40/440	324	
AW5528EK-2	2-1/2	48.40	3954	4900	6100	7500	8640	29480	2564	11.50	9173	11000	P.S.C.	F	—	40/440	324	
AW5530EK-2	2-1/2	50.60	4338	5324	6600	8100	9080	30981	2765	11.20	10300	12900	P.S.C.	F	—	50/440	324	
AW5532EK-2	2-3/4	53.50	4598	5750	7050	8700	9560	32619	2912	11.20	11000	14000	P.S.C.	F	—	50/440	324	
AW5535EK-2	3	59.00	5075	6250	7750	9550	10560	36031	3275	11.00	12300	16000	P.S.C.	F	—	60/440	324	
AW5538E-2	3	63.00	5296	6608	8161	10000	11160	38078	3462	11.00	12600	15800	P.S.C.	F	—	60/440	324	
<b>220-240V/50Hz, 208-230V/60Hz / 1 Ph.</b>																		
AW5515EK-6	1-1/3	30.50	1820	2385	3025	4086	4086	13941	1397	9.95	4580	5500	P.S.C.	F	—	25/440	324	
			1868	2542	3340	4300	4750	16207	1630	9.95	5346	6500						
AW5520EK-6	1-3/4	37.50	2220	2914	3749	4700	5220	17811	1807	10.00	6000	7500	P.S.C.	F	—	35/440	324	
			2197	3177	4231	5430	5980	20404	2030	10.05	6731	8200						
AW5522EK-6	1-4/5	39.60	2300	2950	3800	4950	5486	18718	1897	10.00	6300	7900	P.S.C.	F	—	30/440	324	
			2750	3610	4610	5800	6360	21700	2160	10.05	7200	8800						
AW5528EK-6	2-1/3	48.40	2848	3834	5000	6350	6980	23816	2370	10.05	7900	9600	P.S.C.	F	—	35/440	324	
			3188	4464	5880	7500	8247	28139	2807	10.02	9250	11200						
AW5530EK-6	2-1/2	50.60	3510	4450	5500	6800	7450	25419	2630	9.70	8300	10000	P.S.C.	F	—	45/440	324	
			4200	5350	6620	8100	8810	30060	3020	9.70	9950	12200						

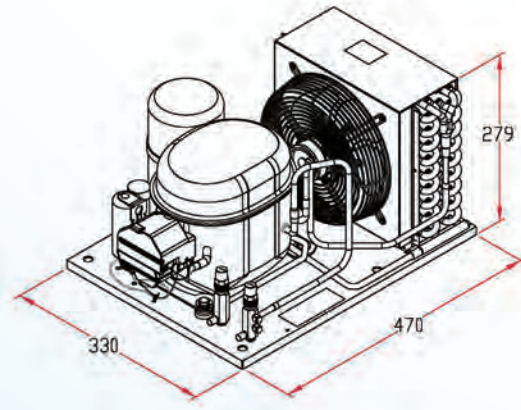
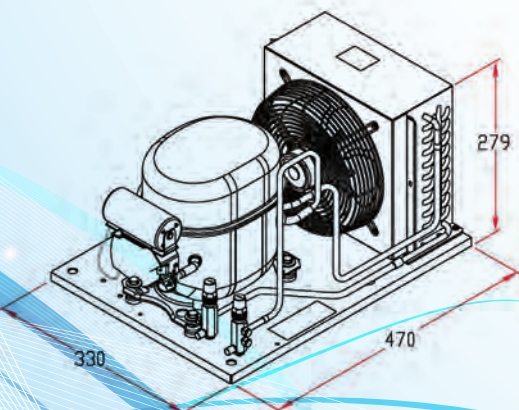
R22			Cooling Capacity (Watt)										HBP, A/C					
Model	Power (HP)	Disp. (cc)	ASHRAE 46 / Evaporating Temperature										Motor Type	Cooling Type	Start Cap. (µF/VAC)	Run Cap. (µF/VAC)	Height "A" (mm)	
			+7.2°C															
			-10°C	-5°C	0°C	5°C	Watt	BTU	Input	EER	+10°C	+15°C						
<b>380-420V/50Hz, 460V/60Hz / 3 Ph.</b>																		
AW5522E-9	1-3/4	39.60	2307	3003	3812	4730	5143	17548	1700	10.35	5711	6800	3 Ph.	F	—	—	324	
			2754	3616	4600	5700	6213	21199	2020	10.50	6930	8300						
AW5524E-9	2	43.10	2602	3387	4300	5290	5802	19796	1918	10.35	6453	7800	3 Ph.	F	—	—	324	
			3067	4028	5138	6350	6920	23611	2278	10.40	7730	9200						
AW5528E-9	2-1/2	48.40	3050	3970	5040	6220	6800	23202	2230	10.40	7550	9000	3 Ph.	F	—	—	324	
			3665	4813	6140	7580	8270	28217	2670	10.60	9300	11200						
AW5530E-9	2-1/2	50.60	3527	4460	5517	6700	7327	25000	2400	10.45	8260	10100	3 Ph.	F	—	—	324	
			4224	5372	6655	8100	8909	30398	2900	10.50	9998	12000						
AW5532E-9	2-3/4	53.50	3580	4563	5600	6800	7440	25385	2520	10.10	8433	10500	3 Ph.	F	—	—	324	
			4300	5469	6775	8300	9086	31001	3030	10.30	10187	12300						
AW5535E-9	2-3/4	59.00	4017	5120	6283	7650	8353	28500	3225	8.85	9470	11600	3 Ph.	F	—	—	324	
			4816	6100	7600	9300	10200	34802	3925	8.90	11400	13700						
AW5538E-9	2-3/4	63.00	4296	5476	6720	8200	8970	30606	3100	8.90	10204	12600	3 Ph.	F	—	—	324	
			5117	6508	8062	9900	10845	37003	3770	9.85	12224	15000						
AW5542E-9	2-3/4	71.00	4976	6250	7784	9500	10390	35451	3625	9.80	11806	14500	3 Ph.	F	—	—	324	
			5891	7493	9282	11450	12515	42701	4440	9.65	14160	17300						
KA5538EXG	3	65.00	4538	5600	6700	8100	8793	30002	2730	11.00	9930	12300	3 Ph.	F	—	—	399	
			5272	6650	8200	9990	10844	37000	3286	11.30	12091	14400						
KA5542EXG	3-1/2	70.00	4935	6112	7499	9080	9965	34001	3047	11.30	11272	13900	3 Ph.	F	—	—	399	
			5606	7200	9000	11050	12017	41002	3630	11.30	13400	16000						
KA5550EXG	4	80.00	5606	7200	9000	11050	12017	41002	3686	11.20	13400	16000	3 Ph.	F	—	—	399	
			7029	8900	11000	13240	14360	48996	4365	11.25	15909	18800						
KA5555EXG	4-1/2	90.00	6760	8372	10300	12400	13482	46001	4110	11.20	15029	18000	3 Ph.	F	—	—	399	
			7280	9409	11900	14700	16120	55001	4975	11.10	18304	22000						
KA5560EXG	5	100.00	7232	9346	11700	14370	15534	53002	4736	11.20	17410	21000	3 Ph.	F	—	—	399	
			8294	10554	13000	15680	17000	58004	5466	10.60	18932	22500						
KA5570EXG	6	115.00	8294	10554	13000	15680	17000	58004	5466	10.60	18932	22500	3 Ph.	F	—	—	399	
			9981	12700	15667	18900	20516	70001	6618	10.60	22909	28000						
LA5590EXG	7-1/2	174.00	7742	11200	15200	19800	21980	74996	7580	9.90	25000	30500	3 Ph.	F	—	—	438	
			9267	13700	18600	24000	26378	90002	9090	9.90	30000	36700						
LA5610EXG	9	197.00	11085	14800	18856	23300	25498	86999	8790	9.90	28500	34400	3 Ph.	F	—	—	454	
			13372	17478	22639	28200	30774	105001	10600	9.90	34311	41000						
LA5612EXG	10	211.00	12375	16188	20968	25970	28430	97003	9800	9.90	31965	38500	3 Ph.	F	—	—	454	
			14868	19443	25220	32000	35170	120000	12120	9.90	39400	47500						
<b>380V/60Hz / 3 Ph.</b>																		
KA5560EXI	5	100.00	8294	10600	13300	16100	17430	59471	5550	10.75	19200	22400	3 Ph.	F	—	—	399	
LA5590EXI	7-1/2	174.00	9267	13700	18600	24000	26378	90002	9090	9.90	29800	36000	3 Ph.	F	—	—	438	
LA5610EXI	9	197.00	13372	17478	22639	28200	30774	105001	10600	9.90	34311	40900	3 Ph.	F	—	—	454	
LA5612EXI	10	211.00	14868	19443	25220	31800	35170	120000	12120	9.90	40000	50000	3 Ph.	F	—	—	454	
<b>200-220V/50Hz, 200-230V/60Hz / 3 Ph.</b>																		
KA5550EXT	4	80.00	5906	7313	8822	10600	11560	39443	3536	11.15	12990	15500	3 Ph.	F	—	—	399	
			6607	8407	10300	12430	13629	46502	4150	11.20	15260	18500						
KA5555EXT	4-1/2	90.00	6794	8414	10324	12450	13600	46403	4160	11.20	15179	18000	3 Ph.	F	—	—	399	
			7207	9221	11711	14500	15914	54299	4860	11.20	18121	22500						
LA5590EXT	7-1/2	174.00	7742	11200	15200	19800	21980	74996	7580	9.90	25000	30500	3 Ph.	F	—	—	438	
			9267	13600	18500	24000	26400	90077	9090	9.90	30000	36500						
LA5610EXT	9	197.00	11085	14800	18856	23300	25498	86999	8790	9.90	28500	34600	3 Ph.	F	—	—	454	
			13372	17478	22639	28200	30774	105001	10600	9.90	34311	41000						
LA5612EXT	10	211.00	12375	16188	20800	25900	28430	97003	9800	9.90	31965	39000	3 Ph.	F	—	—	454	
			14868	19700	25400	32000	35170	120000	12120	9.90	39500	48000						

## CONDENSING UNIT

Model	App.	HP	Motor Type	Receiver Type	Capacity				Fan Motor		Fan Blade		Dimensions (mm.)		
					Watt		BTU/Hr		Output Watt	FLA. Amps	Blade	Diameter inch (OD)	H	D	W
					50 Hz	60 Hz	50 Hz	60 Hz							
												<b>R134a</b>			
CAE 1360YB-1	HBP	1/16	R.S.I.R.	WITH	-	189	-	645	9	0.25	5	9.05	279	470	330
CAE 2410YA	LBP	2/9	C.S.I.R.	LESS	270	-	921	-	13	0.32	5	9.05	279	470	330
CAE 2410YA-2	LBP	1/4	C.S.I.R.	LESS	-	312	-	1,065	7	0.25	5	8.00	254	450	340
CAE 2410YB	LBP	2/9	C.S.I.R.	WITH	270	-	921	-	13	0.32	5	9.05	279	470	330
CAE 2413YA	LBP	2/7	C.S.I.R.	LESS	330	-	1,126	-	13	0.32	5	9.05	279	470	330
CAE 2413YA-2	LBP	1/3	C.S.R.	LESS	-	372	-	1,269	13	0.32	5	9.05	279	470	330
CAE 2413YB	LBP	2/7	C.S.I.R.	WITH	330	-	1,126	-	13	0.32	5	9.05	279	470	330
CAE 2413YB-2	LBP	1/3	C.S.R.	WITH	-	372	-	1,269	13	0.32	5	9.05	279	470	330
CAE 2415YA	LBP	1/3	C.S.R.	LESS	370	-	1,262	-	13	0.32	5	9.05	279	470	330
CAE 2415YB	LBP	1/3	C.S.R.	WITH	370	-	1,262	-	13	0.32	5	9.05	279	470	330
CAE 3425YB-1	HBP	1/6	R.S.I.R.	WITH	-	802	-	1,958	13	0.32	5	9.00	279	470	330
CAE 4435YA	HBP	1/4	C.S.I.R.	LESS	902	-	3,078	-	7	0.22	5	8.00	254	450	340
CAE 4440YB-1	HBP	1/3	C.S.R.	WITH	-	1,174	-	4,006	7	0.53	5	9.00	284	470	330
CAE 4448YA	HBP	1/3	C.S.I.R.	LESS	1,190	-	4,060	-	7	0.22	5	8.00	336	500	435
CAE 7423YB	MBP	1/4	C.S.I.R.	WITH	574	-	1,958	-	13	0.32	5	9.00	279	470	330
CAE 7423YB-2	MBP	2/7	C.S.I.R.	WITH	-	670	-	2,286	13	0.32	5	9.00	279	470	330
CAE 7423YC	MBP	1/4	C.S.I.R.	WITH	574	-	1,958	-	13	0.32	5	9.00	279	470	330
CAE 7430YB	MBP	1/3	C.S.R.	WITH	745	-	2,542	-	13	0.32	5	9.00	279	470	330
CAE 7430YB-2	MBP	3/8	C.S.R.	WITH	-	866	-	2,955	13	0.32	5	9.00	279	470	330
CAE 7430YC	MBP	1/3	C.S.I.R.	WITH	745	-	2,542	-	13	0.32	5	9.00	279	470	330
CAE 9437YB	MBP	2/5	C.S.R.	WITH	920	-	3,139	-	13	0.32	5	9.00	279	470	330
	HBP	1/2			1,680		5,732								
CAE 9437YB-1	CBP	3/7	C.S.R.	WITH	-	986	-	3,363	13	0.32	5	9.05	279	470	330
CAE 9437YC	MBP	2/5	C.S.R.	WITH	920	-	3,139	-	13	0.32	5	9.00	279	470	330
	HBP	1/2			1,680		5,732								
CBA 9437YB	MBP	2/5	C.S.R.	WITH	920	-	3,139	-	28	0.60	5	11.80	319	550	435
	HBP	1/2			1,680		5,732								
CWJ 9440YB-1	CBP	1/2	C.S.R.	WITH	-	1,180	-	4,026	40	0.91	5	12.00	369	620	520
CWJ 9440YB-2	CBP	1/2	C.S.R.	WITH	-	1,158	-	3,951	40	0.91	5	12.00	369	620	520
CWJ 9460YB	CBP	2/3	C.S.R.	WITH	-	1,580	-	5,391	41	0.37	5	12.00	369	620	520
CAW 4515YB	MBP	2/3	C.S.R.	WITH	1,568	-	5,350	-	28	0.60	5	11.80	422	550	860
	HBP	1			3,526		12,031								
CAW 4517YB	MBP	1	C.S.R.	WITH	2,150	-	7,336	-	28	0.60	5	12.00	421	550	860
	HBP	1 2/9			4,298		14,665								
CAW 4519YB	MBP	4/7	C.S.R.	WITH	1,340	-	4,572	-	28	0.60	5	11.80	422	550	860
	HBP	7/8			3,090		10,543								
												<b>R404A/R507</b>			
CAE 2420ZB-2	LBP	1/2	C.S.R.	WITH	-	575	-	1,962	13	0.32	5	9.05	279	470	330
CAE 2425ZB-2	LBP	4/7	C.S.R.	WITH	-	670	-	2,286	13	0.32	5	9.05	279	470	330
CAE 4440ZB-1	HBP	3/8	C.S.R.	WITH	-	1,318	-	4,500	13	0.32	5	9.05	279	470	330
CWJ 2435ZB	LBP	5/7	C.S.R.	WITH	850	-	2,900	-	28	0.60	5	10.00	336	550	435
CWJ 2440ZB	LBP	5/6	C.S.R.	WITH	967	-	3,299	-	28	0.60	5	11.80	336	550	435
CWJ 2450ZB	LBP	1	C.S.R.	WITH	1,114	-	3,800	-	28	0.60	5	11.80	336	550	435
CWJ 2455ZA	LBP	1 1/6	C.S.R.	LESS	1,378	-	4,702	-	28	0.60	5	10.00	336	550	435
CWJ 2455ZA-A1	LBP	1 1/6	C.S.R.	LESS	1,378	-	4,702	-	28	0.60	5	11.80	336	550	435
CWJ 2455ZB	LBP	1 1/6	C.S.R.	WITH	1,378	-	4,702	-	28	0.60	5	12.00	336	550	435
CWJ 2435ZA	LBP	5/7	C.S.R.	LESS	850	-	2,900	-	28	0.60	5	10.00	336	550	435
CWJ 9485ZB	MBP	1	C.S.R.	WITH	2,180	-	7,438	-	41	0.37	5	11.80	336	550	435
	HBP	1			3,790		12,931								
CWJ 9490ZB	MBP	1	C.S.R.	WITH	2,345	-	8,001	-	28	0.60	5	11.80	336	550	435
	HBP	1 1/8			3,986		13,600								

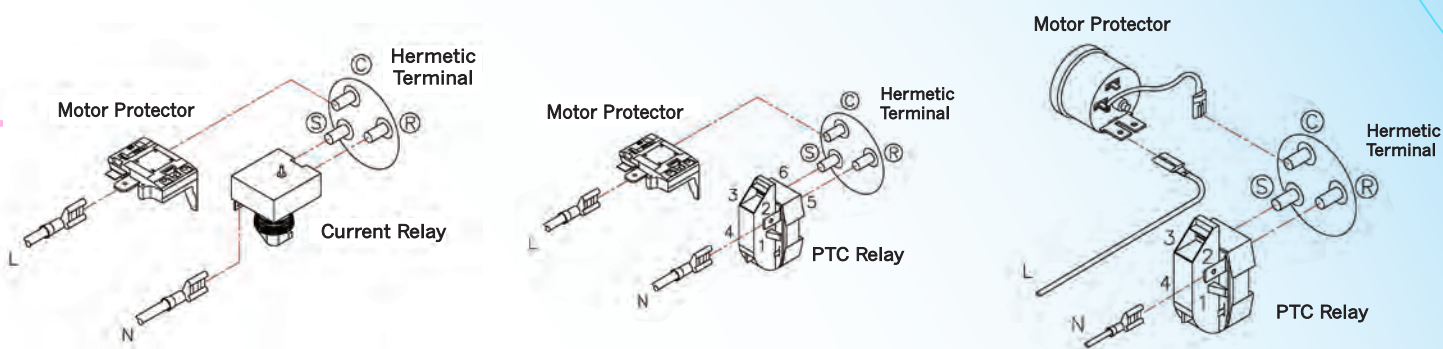
## CONDENSING UNIT

Model	App.	HP	Motor Type	Receiver Type	Capacity				Fan Motor		Fan Blade		Dimensions (mm.)			
					Watt		BTU/Hr		Output Watt	FLA. Amps	Blade	Diameter inch (OD)	H	D	W	
					50 Hz	60 Hz	50 Hz	60 Hz								
												<b>R404A/R507</b>				
CWJ 9490ZB-2	MBP	1 1/7	C.S.R.	WITH	-	2,696	-	9,200	40	0.91	5	11.80	336	550	435	
	HBP	1 2/7			-	4,490	-	15,320								
CWJ 9513ZB	MBP	1 1/3	C.S.R.	WITH	3,157	-	10,770	-	28	0.60	5	11.80	336	550	435	
	HBP	1 1/2			5,334	-	18,200									
CWJ 9513ZB-2	MBP	1 5/9	C.S.R.	WITH	-	3,650	-	12,454	40	0.91	5	12.00	319	500	435	
	HBP	1 7/9			-	6,256	-	21,345								
CAW 2450ZB	LBP	1	C.S.R.	WITH	1,244	-	4,245	-	28	0.60	5	11.80	336	500	435	
CAW 2462ZB	LBP	1 1/3	C.S.R.	WITH	1,525	-	5,203	-	28	0.60	5	11.80	422	550	860	
CAW 2464ZB	LBP	1 1/3	C.S.R.	WITH	1,580	-	5,391	-	28	0.60	5	11.80	422	550	860	
CAW 2464ZB-2	LBP	1 2/3	C.S.R.	WITH	-	1,938	-	6,612	40	0.91	5	11.80	337	500	635	
CAW 2464ZB-9	LBP	1 3/7	3 Ph.	WITH	1,671	1,905	5,700	6,500	28	0.60	5	11.80	336	500	435	
CAW 2495ZB	LBP	2	C.S.R.	WITH	2,322	-	7,923	-	28	0.60	5	11.80	396	550	860	
CAW 2495ZB-9	LBP	2	3 Ph.	WITH	2,393	2,544	8,165	8,680	28	0.60	5	11.80	421	550	860	
												<b>R22</b>				
CAE 4448EB	HBP	1/3	C.S.R.	WITH	1,172	-	3,999	-	13	0.32	5	9.05	284	470	330	
CAE 4474EB	HBP	1/3	C.S.R.	WITH	1,800	-	4,142	-	28	0.60	5	11.80	336	500	435	
CAE 7422EB	MBP	1/4	C.S.I.R.	WITH	550	-	1,877	-	7	0.22	5	9.05	279	470	330	
CAE 7435EA	MBP	3/8	C.S.R.	LESS	870	-	2,968	-	7	0.32	5	9.00	279	470	330	
CAE 7435EB	MBP	3/8	C.S.R.	WITH	870	-	2,968	-	13	0.32	5	9.05	279	470	330	
CAE 7440EB	MBP	3/7	C.S.R.	WITH	1,010	-	3,446	-	13	0.32	5	9.00	284	470	330	
CAE 7440EC	MBP	3/7	C.S.R.	WITH	1,010	-	3,446	-	7	1.22	5	8.00	279	470	330	
CWJ 9480EB	CBP	4/5	C.S.R.	WITH	1,900	-	6,483	-	41	0.37	5	11.80	369	620	520	
CAW 5522EB-9	HBP	1 1/2	3 Ph.	WITH	5,143	6,213	17,548	21,199	41	0.37	5	11.80	421	550	860	
CAW 5524EB-9	HBP	1 2/3	3 Ph.	WITH	5,802	6,909	19,795	23,572	28	0.60	5	11.80	421	550	860	
CAW 5524EC	HBP	1 3/4	PSC	WITH	6,140	-	20,950	-	28	0.60	5	10.00	336	550	435	
CAW 5528EB-9	HBP	2	3 Ph.	WITH	6,800	8,270	23,202	28,217	28	0.60	5	11.80	421	550	860	
CAW 5530EC	HBP	2	PSC	WITH	7,327	-	25,000	-	28	0.60	5	12.00	421	550	860	
												<b>R407C</b>				
CWJ 9470GB	CBP	5/7	C.S.R.	WITH	1,700	-	5,800	-	28	0.60	5	11.80	369	620	520	
CWJ 9485GB	CBP	1	C.S.R.	WITH	2,140	-	7,302	-	41	0.37	5	11.80	446	620	520	
CAW 4520GB	MBP	1 1/8	C.S.R.	WITH	2,643	-	9,018	-	28	0.60	5	11.80	422	550	860	
	HBP	1 1/2			5,200	-	17,742									
CAW 4524GB	MBP	1 1/3	C.S.R.	WITH	3,116	-	10,632	-	28	0.60	5	11.80	422	550	860	
	HBP	1 3/4			6,140	-	20,950									
CAW 4528GB	MBP	1 5/9	C.S.R.	WITH	3,633	-	12,396	-	28	0.60	5	11.80	421	550	860	
	HBP	2			7,108	-	24,252									
CAW 4532GB	MBP	1 3/4	C.S.R.	WITH	4,050	-	13,819	-	28	0.60	5	11.80	396	550	860	
	HBP	2 1/4			7,870	-	26,852									



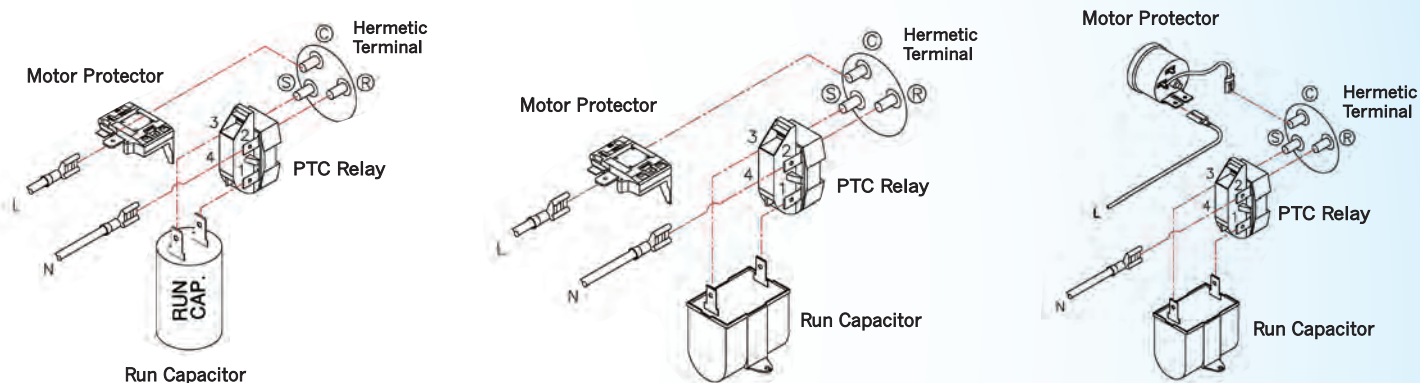
**RSIR: Resistance Start Induction Run**

The motors have a normal starting torque and are designed for completely self-equalizing capillary tube.



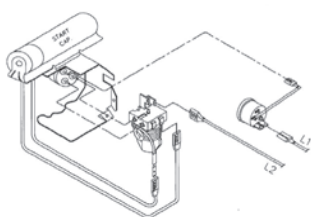
**RSR: Resistance Start Capacitor Run**

The motors have a PTC starting torque and a run capacitor. Their functioning is similar to the PSC motor. These compressors have a normal starting torque.

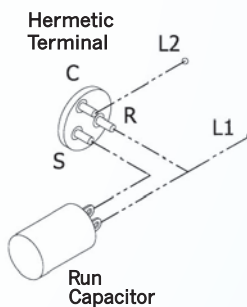


**CSIR: Capacitor Start Induction Run**

The motors have a high starting torque, using an electrolytic starting capacitor. Recommended for applications with capillary tube or expansion valve systems.



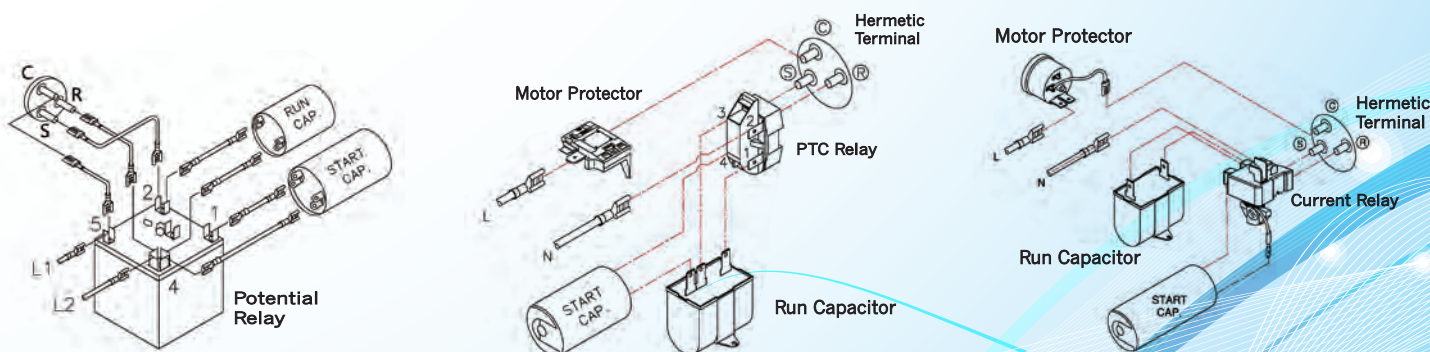
**PSC: Permanent Split Capacitor**



A run capacitor in series with the start winding produces a higher efficiency in comparison to a RSIR motor. They have a normal starting torque and are designed for capillary tube control devices, with equalized pressures.

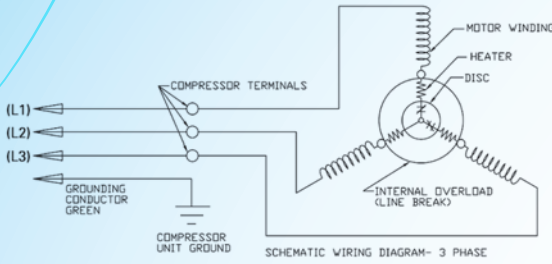
**CSR: Capacitor Start Capacitor Run**

This motor arrangement uses a start capacitor added to a PSC circuit. The high starting torque is suitable for unequalized systems with capillary tube or expansion valve, maintaining the same efficiency of a PSC motor.



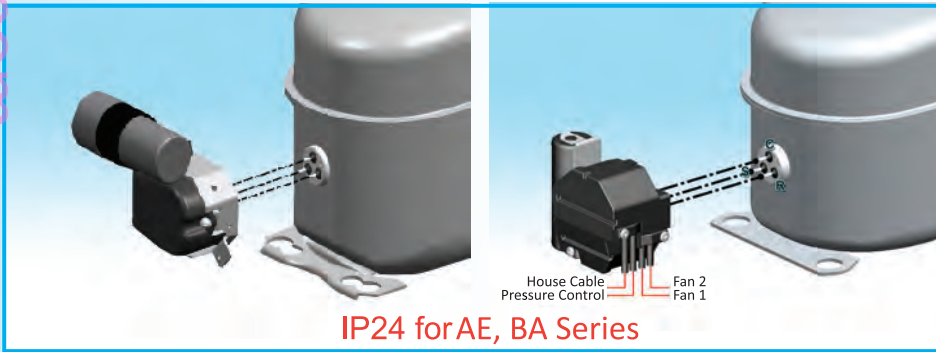
# MOTOR TYPE / WIRING DIAGRAM

## 3 Phase Motor



Excellent starting torque, a wide operating voltage range, no ancillary starting devices (relays, capacitor), reduced starting load on any individual phase and minimal impact on nearby lighting, etc.

## ELECTRICAL TERMINAL BOX



### Rating Conditions (ASHRAE-T) for All Series

	LBP	MBP/CBP	HBP/AC
- Evaporating Temp.	-10°F / -23.3°C	20°F / -6.7°C	45°F / 7.2°C
- Condensing Temp.	130°F / 54.4°C	130°F / 54.4°C	130°F / 54.4°C
- Return Gas Temp.	90°F / 32°C	95°F / 35°C	95°F / 35°C
- Liquid entering Temp.	90°F / 32°C	115°F / 46°C	115°F / 46°C
- Room Ambient	90°F / 32°C	95°F / 35°C	95°F / 35°C
- Application Range	-34 to -12°C (-29 to 10°F)	-23 to 12.7°C (-9.4 to 55°F)	-6.7 to 12.7°C (20 to 55°F)

### Conversion Factor

in High Back Pressure (HBP) and Air Conditioning (HBP/AC)  
 $HP = \frac{\text{Performance at 60Hz in Btu/hr}}{12000}$

in Medium / Commercial Back Pressure (M / CBP)  
 $HP = \frac{\text{Performance at 60Hz in Btu/hr}}{8000}$

in Low Back Pressure (LBP)  
 $HP = \frac{\text{Performance at 60Hz in Btu/hr}}{4000}$

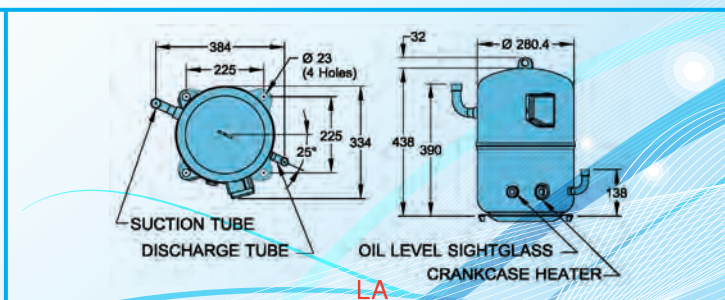
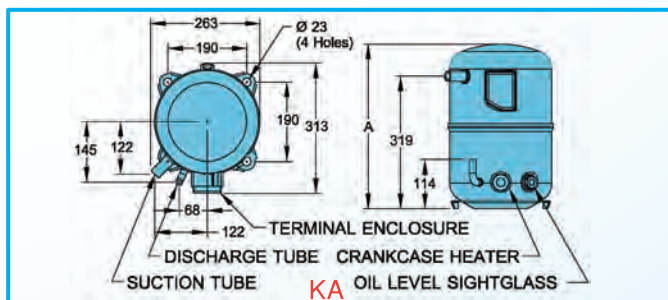
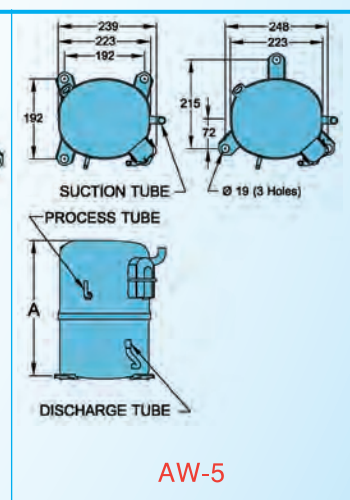
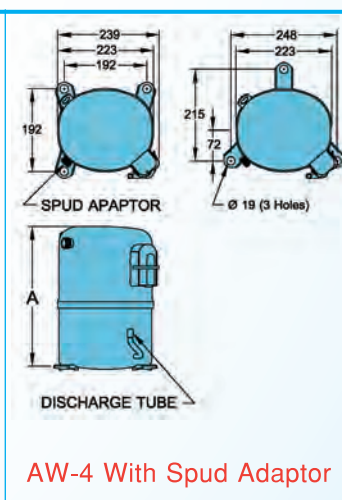
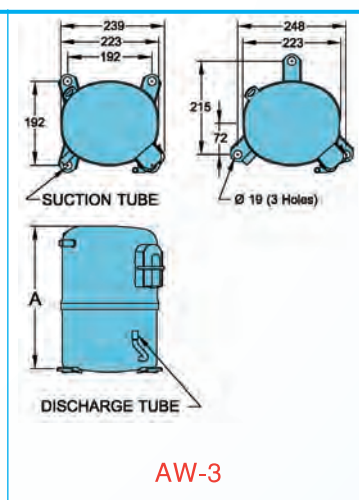
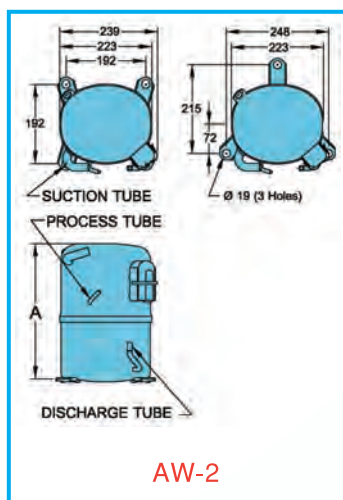
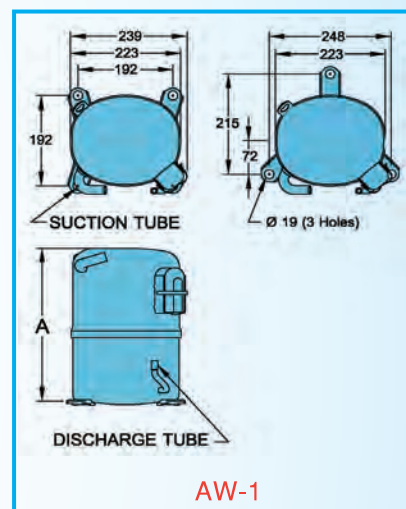
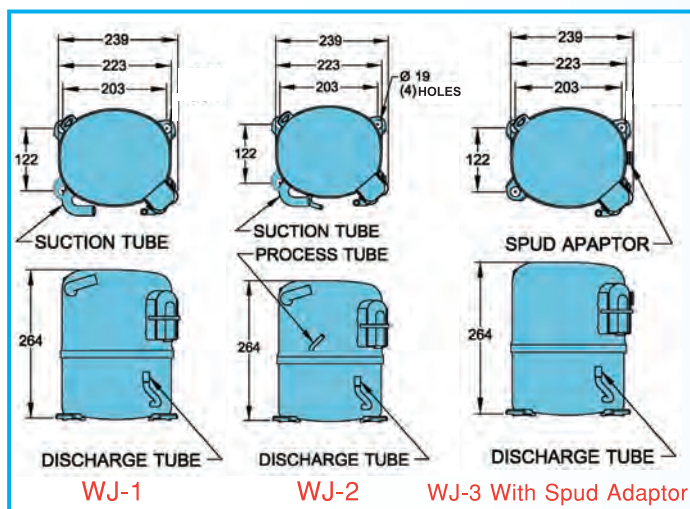
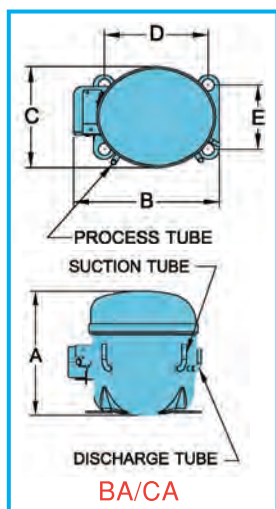
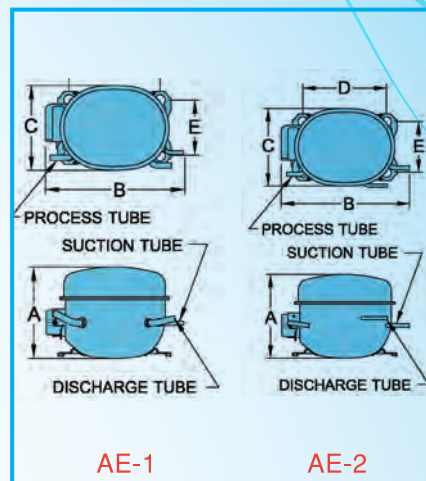
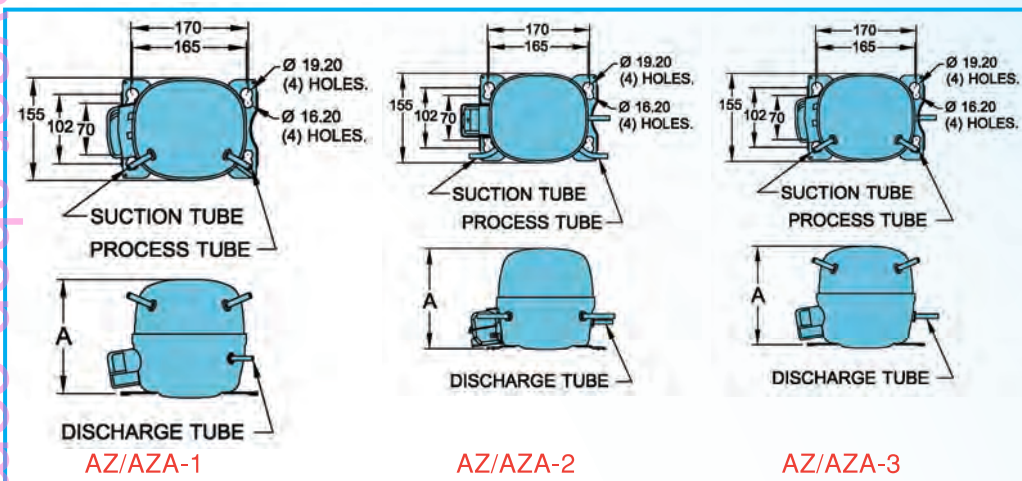
## Compressor Mounting System

Series	Type	High "A" (mm.)	High "B" (mm.)
AZ, AZA AE, BA, CA	A	17.5	9.5
	B	39	31
	C	22	15
	D	21.8	13.9
AE, BA, CA WJ, AW	E	19.05	11.12
	F	23.02	15.08
	G	28.9	20.7
KA, LA	H	37	29
	I	36.5	28.5
	J	39	35



GENERAL DIMENSIONS (mm.)

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# KULTHORN KIRBY

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