

2015



KULTHORN

World Class Hermetic Compressors
Refrigeration & Air Conditioning



Exclusive Master Distributor of Kulthorn Products

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Elco is a leading master distributor of high quality innovative products designed for the air conditioning, refrigeration, and appliance parts industries. We serve both the original equipment manufacturers and the wholesale industry. Elco is headquartered in San Diego, California. A domestic network of sales representatives and distributors ensures that our clients have the support and service they need to optimally grow their business.

Elco has built a strong reputation from our ability to provide a wide range of refrigeration and air conditioning compressors and refrigeration condensing units at competitive pricing in our industry. With thousands of products in our facilities, we seek to proactively advance our merchandise offerings in response to purchasing shifts and market trends.

In every interaction with our clients, we take confidentiality and our service very seriously. From our sales to our customer service representatives, care is taken to build and develop our relationship with our clients. Our history of success with our customers is a result of our ability to listen to clients and meet their expectations.

Beyond our goal to support our customers, Elco is committed to being a good corporate citizen of the world by contributing to economic and social development through corporate activities in the communities we conduct business in. We at Elco are focused on continuing our philanthropic efforts and enhancing education in our community.

LINE CARD



Hermetic compressors & condensing units for air conditioning and refrigeration applications. Manufactured under advanced technology and know-how of worldwide standards.
Application from 1/20 HP to 10 HP.



Hermetic compressors for refrigeration applications. Manufactured with Sanyo advanced technology
Application from 1/24 HP- 1/6 HP.



Manufactured under technology and know-how required under U.S. standards.
Shaded pole and permanent split capacitor motors for fan coil and condensing unit.
Applications from 4 watts to 500 watts.

Kulthorn was established on March 24, 1980 through the cooperation of Simakulthorn Group, Kirby Group of Australia (HeatCraft), refrigerator producers in Thailand, and the Industrial Finance Corporation of Thailand, to operate as a manufacturer and seller of reciprocating motor compressors for refrigeration products (i.e., refrigerators, freezers, water coolers, commercial refrigerators) and air conditioning products. The Company is the first motor compressor manufacturer in Thailand and also produces condensing units, the components of refrigeration products, electrical motor parts, and other motor compressor parts.

The company produced motor compressors using its own technology, which comply with international management systems, such as the ISO 9001, ISO 14001, OHSAS 18001, and ISO/IEC 17025, as well as Thai Labor Standard 8001-2553. The company aims to be the leader of ASEAN motor compressor manufacturers by way of its high quality products, on-time delivery, and competitive pricing. The company has also continued to increase production capacity and develop new models to serve both market expansion and its current requirements in U.S.A, Europe, ASEAN, Australia, and Africa.



Kirby Group



Simakulthorn Group

- 1980** Kulthorn Kirby formed as a joint venture between the Simakulthorn Group, Kirby Group (An Australian company later acquired by Heatcraft), and, a United States based compressor manufacturer It started producing hermetic compressors under world wide standards.
- 1980** Kulthorn Kirby manufactured 100,000 compressors in its first year of business.
- 1981** Production of AE compressors commenced on August 8th.
- 1987** Kulthorn Electric was founded as a joint venture between Kulthorn Kirby and MagneTek Universal Electric, U.S. based company.
- 1988** Thai Compressor Manufacturing Co. (THACOM) was founded as a joint venture between Kulthorn Group and Mitsubishi Heavy Industry of Japan to manufacture THACOM Rotary Compressors for Air Conditioners.
- 1989** Kulthorn Kirby Foundry (KKF) was established as an iron casting company.
- 1989** Kulthorn started the production of AZ small refrigerator compressors.
- 1990** Kulthorn Group founded Thai Sintered Products Co. as a joint venture with Hitachi Powder Company of Japan to produce powdered metal components for compressors and other products.
- 1990** Kulthorn & Materials Controls (KMC) was established to manufacture Thermostats & Magnetic Copper Wires.
- 1991** Kulthorn Kirby was listed in the Stock Exchange of Thailand.
- 1993** Kulthorn started the production of NON-CFC and AW compressors.
- 2004** Kulthorn Group joined with Premier Group to purchase Sanyo Compressor Factory.
- 2004** A 25 year contract ended between Kulthorn and a United States based compressor manufacturer. As of October of 2004, Kulthorn was no longer licensed under a U.S. based compressor producer, and therefore was able to sell its products worldwide. Ever since, the performance and quality of the Kulthorn Compressors have been strictly controlled by Kulthorn.
- 2006** Kulthorn produced 20 million compressors.
- 2007** Kulthorn Steel was established to satisfy the demand for steel in coils among the Kulthorn companies group.
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- 2009** Kulthorn started the production of CA compressor line.
- 2010** Kulthorn was a 2010 recipient of the Outstanding Company of the Year award.
- 2010** Kulthorn produced 30 million compressors and 5 million AW compressors.
- 2011** Mr. Suraporn Simakulthorn, President of Kulthorn Kirby PLC accepted the “Thep Thong Award No. 12” from the Marshal of the Royal Thai Air force Kamtorn Sinthawanon, Privy Councilor – H.M. The King.
- 2012** Kulthorn celebrates its 30th year in business.



AZ Series

Cooling 1/20- 1/5 HP

Small size, low weight, low noise output, energy saving
 Available for R134a, R600a, R404A, R290
 For household and commercial refrigerators and water coolers
 Similar to U.S. Compressor Manufacturer



AE Series

Cooling 3/20-3/8 HP

Small size, low weight, low noise output
 Available for R134a, R600a, R404A, R290
 For household and commercial refrigerators and ice makers
 Similar to U.S. Compressor Manufacturer



BA Series

Cooling 1/5-3/8 HP

Low vibration (compression spring type)
 Available for R134a, R404A, R22, R290
 For household and commercial refrigerators and ice makers
 *Inverter type under developing (plan to launch)



CA Series

Cooling 3/8-3/4 HP

Available R134a, R404A, R22
 Higher Efficiency
 Low vibration / Compression spring type
 For household and commercial refrigerators, open show case
 *Inverter type under developing (plan to launch)



WJ Series

Cooling 3/4-1 HP

Low noise output
 Low vibration (compression spring)
 Available for R22, R134a, R404A, R407C
 For air conditioners, commercial and built-in refrigerators, and ice makers
 *Inverter type under developing (plan to launch)



AW Series

Cooling capacity 1-3 HP

Motor types: single, 3-phase and Inverter
 High EER up to 10.80 R22/ R407C, high EER up to 11.0 (Inverter type)
 Available for R410A, R22, R407C, R134a, R404A
 Low noise output, Low vibration, suitable for A/C in tropical environment
 For air conditioners and commercial refrigerators
 Similar to U.S. Compressor Manufacturer


KA Series
Cooling capacity 3-6 HP

Motor 3-phase available
 Crank case heater, sight glass optional
 Available R22, R404A
 For air conditioners, commercial refrigerators, and cold room
 *Inverter type under developing (plan to launch)


LA Series
Cooling capacity 7-10 HP

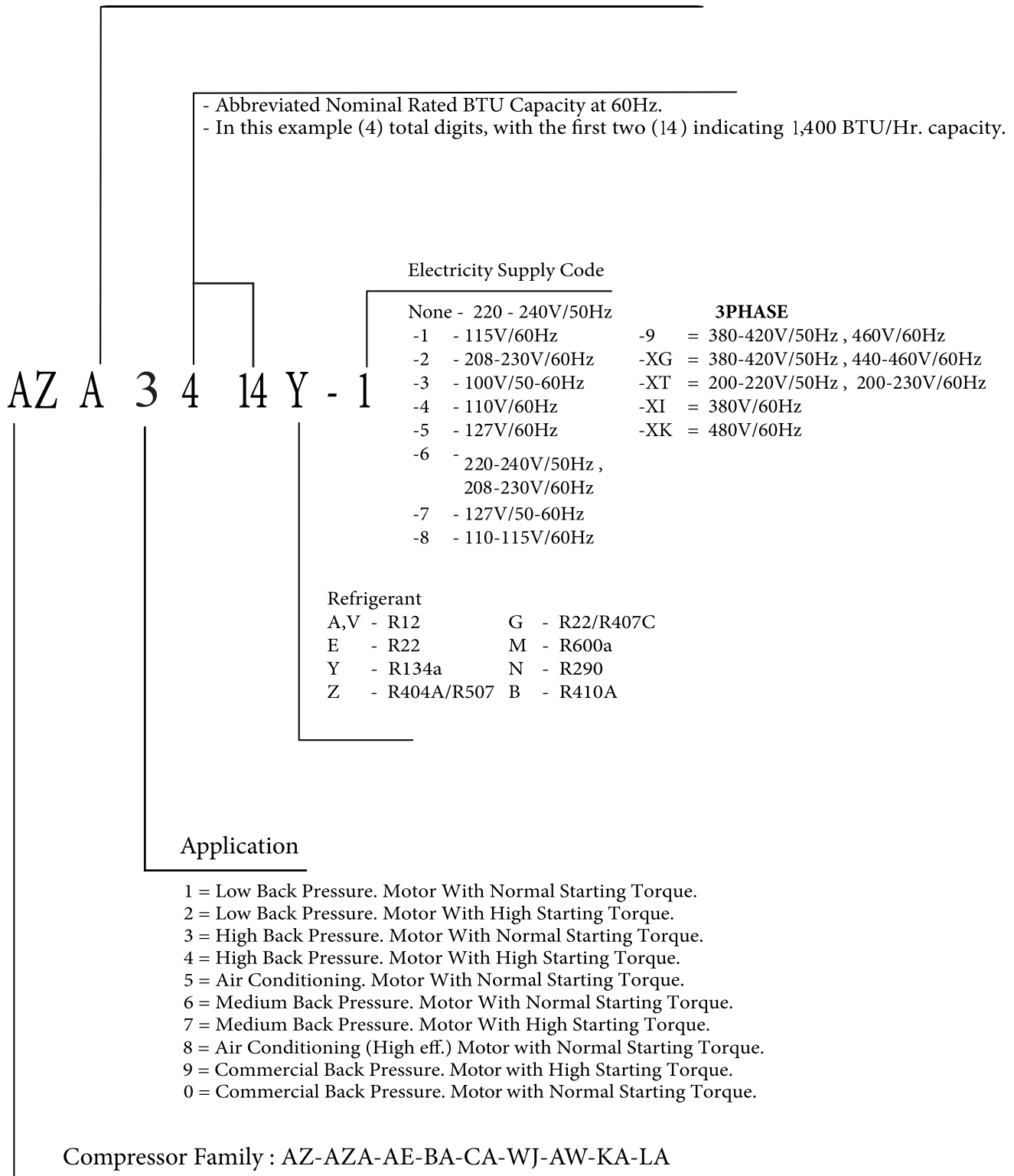
Motor 3-phase available
 Crank case heater, sight glass optional
 Available R22, R404A
 For air conditioners, commercial refrigerators, and cold room
 *Inverter type under developing (plan to launch)


Condensing Unit
Cooling capacity range 1/5-3 HP

Available R134a, R22, R404A
 Available L/M/HBP
 High quality fan motor
 Optional: receiver tank, accumulator, pressure switch, service valve
 Easy to install



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



MODEL	REF	VOLT/ PHASE/Hz	APP	DISP. (CC)	COOLING CAPACITY		INPUT (W)	COP (W/W)	EER (BTU/W-Hr)	RLA	LRA	MOTOR TYPE	START CAP		RUN CAP		DIM A	
					(BTU/HR)	(W)							MFD	VAC	MFD	VAC		
115 V / 60 Hz / 1 Phase																		
AZ A1320Y-1	R134a	115-1-60	LBP	2.73	263	77	77	1	3.41	1.3	9	R.S.I.R.	-	-	-	-	6.377	
AZ A1327Y-1	R134a	115-1-60	LBP	3.28	314	92	84	1.09	3.72	1.4	14	R.S.I.R.	-	-	-	-	6.61	
AZ A1330Y-1	R134a	115-1-60	LBP	3.59	375	110	97	1.13	3.86	1.5	14	R.S.I.R.	-	-	-	-	6.61	
AZ A1335Y-1	R134a	115-1-60	LBP	3.8	392	115	104	1.11	3.77	1.7	14	R.S.I.R.	-	-	-	-	6.61	
AZ A1340Y-1	R134a	115-1-60	LBP	4	427	125	113	1.11	3.77	1.7	15	R.S.I.R.	-	-	-	-	6.61	
AZ A1350Y-1	R134a	115-1-60	LBP	5	505	148	140	1.06	3.61	2.6	20	R.S.I.R.	-	-	-	-	6.77	
AZ A1360Y-1	R134a	115-1-60	LBP	5.59	630	185	155	1.19	4.07	2.7	26	R.S.I.R.	-	-	-	-	7	
AZ A1370Y-1	R134a	115-1-60	LBP	6	665	195	170	1.15	3.91	3.1	29	R.S.I.R.	-	-	-	-	7	
AZ A2340Y-1	R134a	115-1-60	LBP	4	427	125	113	1.11	2.77	1.7	15	C.S.I.R.	108-130	330	-	-	6.614	
AZ A2360YK-1	R134a	115-1-60	LBP	5.59	630	185	155	1.19	4.07	2.7	18	C.S.I.R.	108-131	250	-	-	7	
AE 2410Y-1	R134a	115-1-60	LBP	9.42	1,024	300	260	1.15	3.94	3.9	26	C.S.I.R.	108-132	330	-	-	7.244	
AE 2413Y-1	R134a	115-1-60	LBP	10.9	1,200	352	304	1.16	3.95	4.1	26	C.S.I.R.	108-133	330	-	-	7.244	
AZ A0349Y-1	R134a	115-1-60	MBP/CBP	2.73	601	176	128	1.38	4.71	1.7	14	R.S.I.R.	-	-	-	-	6.377	
AZ A0370Y-1	R134a	115-1-60	MBP/CBP	2.95	652	191	137	1.39	4.74	1.8	14	R.S.I.R.	-	-	-	-	6.377	
AZ A0387Y-1	R134a	115-1-60	MBP/CBP	3.8	860	252	168	1.5	5.12	2.6	15	R.S.I.R.	-	-	-	-	6.614	
AZ A0411Y-1	R134a	115-1-60	MBP/CBP	5	1,140	334	220	1.52	5.19	3.1	17	R.S.I.R.	-	-	-	-	7	
AZ A0413Y-1	R134a	115-1-60	MBP/CBP	6	1,360	400	225	1.57	5.34	3.2	28.8	R.S.I.R.	-	-	-	-	7	
AZ A9413Y-2	R134a	115-1-60	MBP/CBP	6	1,310	384	260	1.48	4.04	3.6	19.6	C.S.I.R.	36-43	250	-	440	7	
AE 7423Y-1	R134a	115-1-60	MBP/CBP	12.04	2,300	674	420	1.6	5.48	4.6	37	C.S.R.	130-156	330	15	440	8.346	
AE 7426Y-1	R134a	115-1-60	MBP/CBP	14.14	2,600	762	487	1.56	5.34	5.2	37	C.S.R.	130-156	330	15	440	8.5	
AE 9437Y-1	R134a	115-1-60	MBP/CBP	18	3,363	986	663	1.49	5.07	5.9	40	C.S.R.	130-156	330	25	440	8.5	
WJ 9440YK-1	R134a	115-1-60	MBP/CBP	21.55	4,026	1,180	685	1.72	5.88	6.5	46.8	C.S.R.	216-259	250	25	440	10.39	
WJ 9445YK-1	R134a	115-1-60	MBP/CBP	24.25	4,710	1,380	810	1.7	5.81	7.6	52	C.S.R.	216-259	250	30	440	10.39	
WJ 9460YK-1	R134a	115-1-60	MBP/CBP	30.5	6,250	1,832	1,090	1.68	5.73	9.7	61	C.S.R.	216-259	250	30	440	10.39	
AZ A9387Y-1	R134a	115-1-60	MBP/HBP	3.8	860	252	168	1.5	5.12	2.6	15	C.S.I.R.	88-106	330	-	-	6.614	
AZ A9387Y-1	R134a	115-1-60	MBP/HBP	3.8	1,518	445	220	20	6.9	2.8	15.1	C.S.I.R.	88-106	330	-	-	6.614	
CA 9437Y-1	R134a	115-1-60	MBP/HBP	18	3,446	1,010	697	1.45	4.94	9.3	45	C.S.I.R.	130-156	330	-	-	8.464	
CA 9437Y-1	R134a	115-1-60	MBP/HBP	18	653	1,950	975	2	6.82	11	45	C.S.I.R.	130-156	330	-	-	8.464	
CA 9440Y-1	R134a	115-1-60	MBP/HBP	20	3,821	1,120	700	1.6	5.46	6.8	40	C.S.R.	130-156	330	25	440	8.464	
CA 9440Y-1	R134a	115-1-60	MBP/HBP	20	6,900	2,022	1,010	2	6.83	9.5	40	C.S.R.	130-156	330	25	440	8.464	
CA 9445Y-1	R134a	115-1-60	MBP/HBP	22.3	4,146	1,215	860	1.41	4.82	9.5	45	C.S.R.	130-156	330	35	440	8.464	
CA 9445Y-1	R134a	115-1-60	MBP/HBP	22.3	7,610	2,230	1,200	1.86	6.34	12	45	C.S.R.	130-156	330	35	440	8.464	
AZ A3414Y-1	R134a	115-1-60	HBP	3.8	1,518	445	383	2.02	6.9	2.8	15.1	R.S.I.R.	-	-	-	-	6.614	
AZ A4414Y-1	R134a	115-1-60	HBP	3.37	1,518	445	383	2.02	6.9	2.8	15.1	C.S.I.R.	88-106	330	-	-	6.614	
AE 3417Y-1	R134a	115-1-60	HBP	5.68	2,000	586	288	2.04	6.95	3.3	27	R.S.I.R.	-	-	-	-	7.44	
AE 3425Y-1	R134a	115-1-60	HBP	7.57	2,736	802	400	2.01	6.82	4.3	22.6	R.S.I.R.	-	-	-	-	7.44	
AE 4425Y-1	R134a	115-1-60	HBP	7.57	2,798	820	420	1.96	6.82	5.5	24	C.S.I.R.	108-130	250	-	-	7.44	
AE 4430Y-1	R134a	115-1-60	HBP	8.86	3,293	965	432	2.223	7.62	3.9	23	C.S.R.	108-131	250	30	440	7.44	
AE 4440Y-1	R134a	115-1-60	HBP	12.04	4,006	1,174	590	1.99	6.78	6.2	34.5	C.S.R.	108-132	250	20	440	7.95	
AE 4448Y-1	R134a	115-1-60	HBP	14.14	4,968	1,456	682	2.13	7.28	6.7	41.5	C.S.R.	108-133	250	20	440	8.34	
AE 4459Y-1	R134a	115-1-60	HBP	16.08	5,800	1,700	850	2	6.82	7.5	40	C.S.R.	130-156	250	25	440	8.5	
WJ 4495Y-1	R134a	115-1-60	HBP	30.5	9,997	2,930	1,150	2.55	8.69	13.4	51	C.S.R.	216-259	250	30	425	10.39	
208-230 V / 60 Hz / 1 Phase																		
AZ A1320Y-2	R134a	208/230-1-60	LBP	2.95	263	77	77	1	3.41	0.6	6.5	R.S.I.R.	-	-	-	-	6.377	
AZ A1327YK-2	R134a	208/230-1-60	LBP	3.28	314	92	86	1.07	3.65	0.7	8.5	R.S.I.R.	-	-	-	-	6.377	
AZ A1330YK-2	R134a	208/230-1-60	LBP	3.59	314	92	85	1.08	3.69	0.7	8.8	R.S.I.R.	-	-	-	-	6.614	
AZ A1340Y-1	R134a	208/230-1-60	LBP	3.8	392	115	104	1.11	3.77	0.8	8.4	R.S.I.R.	-	-	-	-	6.614	
AZ A1340Y-1	R134a	208/230-1-60	LBP	3.8	392	115	97	1.19	4.05	0.5	8.8	R.S.C.R.	-	-	4	440	6.614	
AZ A1350Y-1	R134a	208/230-1-60	LBP	4	437	128	112	1.14	3.9	0.9	9.6	R.S.I.R.	-	-	-	-	6.614	
AZ A1360Y-1	R134a	208/230-1-60	LBP	5.59	618	183	148	1.24	4.17	1.1	13.5	R.S.I.R.	-	-	-	-	7	
AE 1370Y-2	R134a	208/230-1-60	LBP	8.12	717	210	184	1.14	3.9	1.3	16.7	R.S.I.R.	-	-	-	-	7.44	
AE 1390Y-2	R134a	208/230-1-60	LBP	9.42	955	280	2,325	1.19	4.06	1.7	17.6	R.S.I.R.	36-43	330	-	-	7.95	
AE 2370Y-2	R134a	208/230-1-60	LBP	8.1	750	220	170	1.29	4.42	0.8	7.8	C.S.R.	36-43	330	5	440	7.44	
AE 2390Y-2	R134a	208/230-1-60	LBP	9.42	955	280	236	1.19	4.05	1.7	13.1	C.S.I.R.	36-43	330	-	-	7.95	
AE 2410Y-2	R134a	208/230-1-60	LBP	14.14	1,065	312	307	1.02	3.47	2.5	15.9	C.S.I.R.	36-43	330	-	-	8.5	

MODEL	REF	VOLT/ PHASE/Hz	APP	DISP. (CC)	COOLING CAPACITY		INPUT (W)	COP (W/W)	EER (BTU/W-Hr)	RLA	LRA	MOTOR TYPE	START CAP		RUN CAP		DIM A
					(BTU/HR)	(W)							MFD	VAC	MFD	VAC	
AE 2411Y-2	R134a	208/230-1-60	LBP	14.14	1,116	327	270	1.21	4.15	1.3	12.2	C.S.R.	36-43	330	8	450	8.5
AE 2413Y-2	R134a	208/230-1-60	LBP	16.08	1,270	372	350	1.07	3.64	1.8	19.2	C.S.R.	36-43	330	8	450	8.5
AZ A0387Y-2	R134a	208/230-1-60	MBP/CBP	3.8	860	252	164	1.54	5.24	1.1	6	R.S.I.R.	-	-	-	-	6.61
AZ A0413YK-2	R134a	208/230-1-60	MBP/CBP	6	1,330	390	265	1.47	5.02	1.8	17.6	R.S.I.R.	-	-	-	-	7
AZ A9413Y-2	R134a	208/230-1-60	MBP/CBP	6	1,366	400	265	1.51	5.16	2	12	C.S.I.R.	36-43	330	-	-	7
AE 0412Y-2	R134a	208/230-1-60	MBP/CBP	5.99	1,260	370	230	1.61	5.5	1.4	12.8	R.S.I.R.	36-43	-	-	-	7.44
AE 0412Y-2	R134a	208/230-1-60	MBP/CBP	5.99	2,283	670	307	2.18	7.45	1.7	12.8	R.S.I.R.	36-43	-	-	-	7.44
AE 7423Y-2	R134a	208/230-1-60	MBP/CBP	12.04	2,286	670	438	0.53	5.22	2.7	12.6	C.S.I.R.	88-106	330	-	-	7.992
AE 7425Y-2	R134a	208/230-1-60	MBP/CBP	14.14	2,525	740	497	1.49	5.08	3	19.5	C.S.I.R.	108-130	330	-	-	8.5
AE 7430Y-2	R134a	208/230-1-60	MBP/CBP	16.08	2,955	866	530	1.63	5.58	2.6	17	C.S.R.	108-130	330	8	450	8.5
WJ 440YK-2	R134a	208/230-1-60	MBP/CBP	21.55	3,950	1,158	680	1.7	5.81	3.2	19.4	C.S.R.	88-106	330	20	440	10.393
WJ 9445YK-2	R134a	208/230-1-60	MBP/CBP	24.2	4,660	1,366	767	1.78	6.08	3.5	37	C.S.R.	108-130	330	20	440	10.393
WJ 9450Y-2	R134a	208/230-1-60	MBP/CBP	26.75	5,500	1,612	850	1.9	6.47	4.1	32	C.S.R.	108-130	330	15	425	10.393
WJ 9460YK-2	R134a	208/230-1-60	MBP/CBP	30.5	6,142	1,800	1,025	1.76	5.99	4.7	32	C.S.R.	108-130	330	15	440	10.393
AE 9423Y-2	R134a	208/230-1-60	MBP/HBP	12.04	2,327	682	396	1.72	5.88	1.9	13	C.S.R.	36-43	330	8	450	7.992
AE 9423Y-2	R134a	208/230-1-60	MBP/HBP	12.04	4,333	1,270	560	2.27	7.74	2.6	13	C.S.R.	36-43	330	8	450	7.992
AE 9437Y-2	R134a	208/230-1-60	MBP/HBP	18	3,430	1,005	635	1.58	5.4	3	16.7	C.S.R.	36-43	330	10	440	8.42
AE 9437Y-2	R134a	208/230-1-60	MBP/HBP	18	6,653	1,950	870	2.24	7.65	4.2	16.7	C.S.R.	36-43	330	10	440	8.42
CA 9437Y-2	R134a	208/230-1-60	MBP/HBP	18	3,446	1,010	608	1.66	5.67	3	17	C.S.R.	36-43	330	10	440	8.464
CA 9437Y-2	R134a	208/230-1-60	MBP/HBP	18	6,653	1,950	848	2.3	7.85	4	17	C.S.R.	36-43	330	10	440	8.464
CA 9440Y-2	R134a	208/230-1-60	MBP/HBP	20	3,900	1,143	700	1.63	5.57	3.3	20	C.S.R.	43-52	330	10	440	8.464
CA 9440Y-2	R134a	208/230-1-60	MBP/HBP	20	7,063	2,070	990	2.09	7.13	4.6	20	C.S.R.	43-52	330	10	440	8.464
CA 9445Y-2	R134a	208/230-1-60	MBP/HBP	22.3	4,214	1,235	775	1.59	5.44	3.4	20	C.S.R.	43-52	330	15	440	8.464
CA 9445Y-2	R134a	208/230-1-60	MBP/HBP	22.3	7,626	2,235	1,080	2.07	7.06	4.8	20	C.S.R.	43-52	330	15	440	8.464
AZ A3414Y-2	R134a	208/230-1-60	HBP	3.8	1,518	445	215	2.07	7.06	1.2	6	R.S.I.R.	-	-	-	-	6.614
AE 3417Y-2	R134a	208/230-1-60	HBP	5.68	1,945	570	295	1.93	6.59	1.7	11.6	R.S.I.R.	-	-	-	-	7.44
AE 3425Y-2	R134a	208/230-1-60	HBP	7.57	2,764	810	392	2.07	7.05	2.3	12.5	R.S.I.R.	-	-	-	-	7.44
AE 3430Y-2	R134a	208/230-1-60	HBP	8.86	3,207	940	460	2.04	6.96	2.8	18.5	R.S.I.R.	-	-	-	-	7.952
AE 4425Y-2	R134a	208/230-1-60	HBP	7.52	2,753	807	390	2.07	7.06	2.3	12.6	C.S.I.R.	36-43	330	-	-	7.44
AE 4430Y-2	R134a	208/230-1-60	HBP	8.86	3,207	940	475	1.98	6.75	2.8	15.6	C.S.I.R.	36-43	330	-	-	7.95
AE 4430Y-2	R134a	208/230-1-60	HBP	8.86	3,320	973	436	2.23	7.61	2	14.9	C.S.R.	36-43	330	8	450	7.44
AE 4440Y-2	R134a	208/230-1-60	HBP	12.04	4,197	1,230	610	2.02	6.88	3.5	26	C.S.I.R.	36-43	330	-	-	7.95
AE 4440Y-2	R134a	208/230-1-60	HBP	12.04	4,400	1,290	533	2.42	8.26	2.4	12	C.S.R.	36-43	330	10	440	7.95
AE 4448Y-2	R134a	208/230-1-60	HBP	14.14	4,784	1,402	627	2.24	7.63	3	15.9	C.S.R.	36-43	330	10	440	8.346
AE 4448Y-2	R134a	208/230-1-60	HBP	16.08	5,613	1,645	774	2.13	7.25	3.6	18	C.S.R.	36-43	330	15	440	8.346
AE 4459Y-2	R134a	208/230-1-60	HBP	30.5	10,236	3,000	1,100	2.73	9.31	6.6	32	C.S.R.	108-130	330	15	440	10.39
WJ 4459Y-2	R134a	208/230-1-60	HBP	30.5	9,980	2,925	1,075	2.72	9.28	5.2	47	C.S.R.	130-156	330	30	440	11.378
AW 4513YK-2	R134a	208/230-1-60	HBP	35.6	12,420	3,640	130	2.79	9.52	6	73	C.S.R.	108-130	330	35	440	11.378
AW 4517YK-2	R134a	208/230-1-60	HBP	48.4	17,060	5,000	1,760	2.84	6.69	8	73	C.S.R.	130-56	330	35	440	12.756
110 V / 60-50 Hz / 1 Phase																	
AZ A1320Y-3	R134a	100-1-50/60	LBP	2.73	263	77	75	1.03	3.5	1.2	8	R.S.I.R.	-	-	-	-	6.496
AZ A1330Y-3	R134a	100-1-50/60	LBP	3.59	375	110	86	1.15	3.92	1.4	12	R.S.I.R.	-	-	-	-	6.614
AE 2360Y-3	R134a	100-1-50/60	LBP	6.91	682	200	183	1.09	3.73	1.9	14.8	C.S.R.	36-43	250	15	440	7.44
AE 2370Y-3	R134a	100-1-50/60	LBP	8.1	809	237	216	1.1	3.74	2.2	14.8	C.S.R.	36-43	250	15	440	7.44
AE 2390Y-3	R134a	100-1-50/60	LBP	9.42	955	280	230	1.22	4.15	2.5	23.3	C.S.R.	108-130	250	15	440	7.44
AZ A413YK-3	R134a	100-1-50/60	MBP/CBP	6	1,330	290	256	1.52	5.2	3.7	24.2	R.S.I.R.	-	-	-	-	7
AZ A3414Y-3	R134a	100-1-50/60	HBP	3.8	1,518	445	212	2.1	7.17	2.8	15	R.S.I.R.	-	-	-	-	6.61
AE 4425Y-3	R134a	100-1-50/60	HBP	7.57	2,832	830	393	2.11	7.21	5.2	24	C.S.I.R.	108-130	250	-	-	7.44
AE 4430Y-3	R134a	100-1-50/60	HBP	8.86	3,207	940	475	1.98	6.75	5.9	24	C.S.I.R.	108-130	250	-	-	7.44
AE 4440Y-3	R134a	100-1-50/60	HBP	12.04	4,248	1,245	620	2.01	6.85	7.7	37	C.S.R.	130-156	330	35	440	7.95
AE 4448Y-3	R134a	100-1-50/60	HBP	14.14	4,880	1,430	695	2.06	7.02	7	23	C.S.R.	130-156	330	35	440	8.5
110 V / 60 Hz / 1 Phase																	
AZ A1320Y-4	R134a	100-1-60	LBP	2.86	273	80	78	1.03	3.46	1.2	11	R.S.I.R.	-	-	-	-	6.25
AZ A1330YK-4	R134a	100-1-60	LBP	3.59	314	92	85	1.08	3.69	1.2	12.5	R.S.I.R.	-	-	-	-	6.614
AZ A1335YK-4	R134a	100-1-60	LBP	3.8	392	115	104	1.11	3.77	1.8	15.6	R.S.I.R.	-	-	-	-	6.614
AZ A1335YK-4	R134a	100-1-60	LBP	3.8	392	115	97	1.19	4.05	1.6	15.8	R.S.C.R.	-	4	4	440	6.614

MODEL	REF	VOLT/ PHASE/HZ	APP	DISP. (CC)	COOLING CAPACITY		INPUT (W)	COP (W/W)	EER (BTU/W-Hr)	RLA	LRA	MOTOR TYPE	START CAP		RUN CAP		DIM A
					(BTU/HR)	(W)							MFD	VAC	MFD	VAC	
AZ A1340YK-4	R134a	100-1-60	LBP	4	437	128	112	1.14	3.9	1.7	15	R.S.I.R.	-	-	-	-	6.614
AZ A1360YK-4	R134a	100-1-60	LBP	5.59	614	180	155	1.16	3.96	2.7	26	R.S.I.R.	-	-	-	-	7
AZ A2360YK-4	R134a	100-1-60	LBP	5.59	630	185	155	1.19	4.07	2.7	18	C.S.I.R.	250	-	-	-	7
AE 2411Y-4	R134a	100-1-60	LBP	14.14	1,110	325	275	1.18	4.04	2.8	28	C.S.R.	250	15	15	440	8.5
AE 7423Y-4	R134a	100-1-60	MBP	12.04	2,286	670	435	1.54	5.26	5.1	24.6	C.S.I.R.	250	-	-	-	7.992
AZ A3414Y-4	R134a	100-1-60	HBP	3.8	1,518	445	215	2.07	7.06	2.8	15	R.S.I.R.	-	-	-	-	8.5
AE 4425Y-4	R134a	100-1-60	HBP	7.57	2,790	818	410	2	3.81	5.3	24.4	C.S.I.R.	250	-	-	-	7.44
AE 4430Y-4	R134a	100-1-60	HBP	8.86	3,272	960	490	1.96	6.68	5.9	29.9	C.S.I.R.	250	-	-	-	7.44
AE 4430Y-4	R134a	100-1-60	HBP	8.86	3,293	965	432	2.23	7.62	3.9	23	C.S.R.	250	30	30	440	7.44
AE 4440Y-4	R134a	100-1-60	HBP	12.04	4,333	1,270	560	2.27	7.74	5.1	14	C.S.R.	250	30	30	440	7.992
AE 4448Y-4	R134a	100-1-60	HBP	14.14	4,947	1,450	652	2.22	7.59	6.5	32.2	C.S.R.	250	20	20	440	8.5

127 V / 60 Hz / 1 Phase

AZ A1320Y-5	R134a	127-1-60	LBP	2.73	263	77	75	1.03	3.5	1.4	10	R.S.I.R.	-	-	-	-	10.315
AZ A1330Y-5	R134a	127-1-60	LBP	3.59	375	110	101	1.09	3.72	1.5	15	R.S.I.R.	-	-	-	-	6.614
AZ A1335YK-5	R134a	127-1-60	LBP	3.8	392	115	104	1.11	3.77	1.4	14.1	R.S.I.R.	-	-	-	-	6.614

220-240 V / 60 Hz / 1 Phase

AZ A1330Y-6	R134a	208/230-1-60	LBP	2.59	375	110	105	1.05	3.57	0.8	12	R.S.I.R.	-	-	-	-	6.614
AZ A1335Y-6	R134a	208/230-1-60	LBP	2.8	392	115	108	1.06	3.63	0.9	8	R.S.I.R.	-	-	-	-	6.614
AZ A1350Y-6	R134a	208/230-1-60	LBP	5	212	150	125	1.2	4.09	0.8	9	R.S.I.R.	-	-	-	-	7
AZ A1360Y-6	R134a	208/230-1-60	LBP	5.59	580	170	135	1.26	4.3	0.9	9	R.S.I.R.	-	-	-	-	7
AZ A1370Y-6	R134a	208/230-1-60	LBP	6	665	195	153	1.27	4.35	0.9	11	R.S.C.R.	-	-	4	440	7
AE 1390Y-6	R134a	208/230-1-60	LBP	9.42	1,013	297	236	1.26	4.29	1.5	15	R.S.I.R.	-	-	-	-	7.952
AZ A0411Y-6	R134a	208/230-1-60	MBP/CBP	5	1,109	325	203	1.6	5.46	1.3	16	R.S.I.R.	-	-	-	-	7
AZ A9387Y-6	R134a	208/230-1-60	MBP/CBP	3.8	880	258	165	1.56	5.34	1.1	6	C.S.I.R.	36-43	330	-	-	6.614
AZ A9411Y-6	R134a	208/230-1-60	MBP/CBP	5	1,109	325	203	1.6	5.46	1.3	7	C.S.I.R.	36-44	330	-	-	7
AE 7415Y-6	R134a	208/230-1-60	MBP/CBP	7.57	1,450	425	283	1.5	5.12	1.6	11	C.S.I.R.	36-45	330	-	-	7.4
AE 7423Y-6	R134a	208/230-1-60	MBP/CBP	12.04	2,286	670	438	1.53	5.22	2.7	12.6	C.S.R.	36-46	330	-	-	7.952
AE 7430Y-6	R134a	208/230-1-60	MBP/CBP	16.08	2,955	866	530	1.63	5.58	2.5	16	C.S.R.	36-47	330	4	440	8.46
CA 9445Y-6	R134a	208/230-1-60	MBP/CBP	22.3	7,626	2,235	1,080	2.07	7.06	4.8	20	C.S.R.	36-48	330	8	450	8.503
AZ A3417Y-6	R134a	208/230-1-60	HBP	5	2,047	600	293	2.05	6.99	1.7	16	R.S.I.R.	43-52	330	15	450	7
AZ A4417Y-6	R134a	208/230-1-60	HBP	5	2,047	600	293	2.05	6.99	1.7	7	C.S.I.R.	-	-	-	-	7
AE 3425Y-6	R134a	208/230-1-60	HBP	7.57	2,850	835	396	2.11	7.19	2.4	16.7	R.S.I.R.	36-43	330	-	-	7.44
AE 4425Y-6	R134a	208/230-1-60	HBP	7.57	2,800	821	405	2.03	6.92	2.3	10	C.S.I.R.	-	-	-	-	7.204
AE 4430Y-6	R134a	208/230-1-60	HBP	8.86	3,276	960	390	2.46	8.4	2	9	C.S.R.	36-43	330	10	450	7.204
AE 4435Y-6	R134a	208/230-1-60	HBP	9.42	2,593	1,050	435	2.41	8.24	2.4	11	C.S.R.	36-44	330	10	450	7.204
AE 4440Y-6	R134a	208/230-1-60	HBP	12.04	43,357	127	550	2.32	7.92	2.5	11.2	C.S.R.	36-45	330	8	450	7.204
AE 4448Y-6	R134a	208/230-1-60	HBP	14.14	4,780	1,401	627	2.23	7.62	2.9	16	C.S.R.	36-46	330	10	440	7.204
AE 4459Y-6	R134a	208/230-1-60	HBP	16.08	5,630	1,650	750	2.2	7.51	3.5	16	C.S.R.	36-47	330	20	440	7.204

440/460 V / 60 Hz / 3 Phase

AW 7514YXG	R134a	440/460-3-60	MBP	71	14,100	4,132	1,995	2.07	7.07	3.3	40	3 PHASE	-	-	-	-	12.756
WJ 4512YXG	R134a	440/460-3-60	HBP	34.5	13,820	4,050	1,650	2.45	8.38	2.5	24	3 PHASE	-	-	-	-	10.393
AW 4520YXG	R134a	440/460-3-60	HBP	53.5	21,270	6,234	1,850	3.37	11.5	3.1	30	3 PHASE	-	-	-	-	12.756
AW 4528YXG	R134a	440/460-3-60	HBP	71	27,980	8,200	2,750	2.98	10.1	4.1	40	3 PHASE	-	-	-	-	12.756

R600A

115V / 60 Hz / 1 Phase

AZ A1320M-1	R600A	115-1-60	LBP	3.80	222	65	64	1.02	3.47	1.1	11	R.S.I.R.	-	-	-	-	6.259
AZ A1327M-1	R600A	115-1-60	LBP	4.00	238	70	68	1.03	3.49	1.3	16	R.S.I.R.	-	-	-	-	6.61
AZ A1330M-1	R600A	115-1-60	LBP	5.00	290	85	80	1.06	3.63	1.3	12	R.S.I.R.	-	-	-	-	6.61
AZ A1340M-1	R600A	115-1-60	LBP	6.00	392	115	75	1.53	5.23	0.7	8	R.S.C.R.	-	-	8	450	6.77
AE 1360M-1	R600A	115-1-60	LBP	9.42	630	185	126	1.47	5.01	1.3	12	R.S.C.R.	-	-	8	450	6.929
AZ A1340M-2	R600A	208/230-1-60	LBP	6.00	392	115	76	1.51	5.16	0.4	7	R.S.C.R.	-	-	4	440	6.77
AE 1360M-2	R600A	208/230-1-60	LBP	9.42	631	185	128	1.45	4.93	0.6	9	R.S.C.R.	-	-	4	450	6.929

MODEL	REF	VOLT/ PHASE/HZ	APP	DISP. (CC)	COOLING CAPACITY		INPUT (W)	COP (W/W)	EER (BTU/W-Hr)	RLA	LRA	MOTOR TYPE	START CAP		RUN CAP		DIM A	
					(BTU/HR)	(W)							MFD	VAC	MFD	VAC		
110 V / 60 Hz / 1 Phase																		
AZ A 1340M-3	R600A	100-1-60	LBP	6.00	392	115	77	1.49	5.1	0.8	9	R.S.C.R.	-	-	10	450	7	
AE 1350M-3	R600A	100-1-60	LBP	.8.10	512	150	115	1.3	4.45	1.7	13	R.S.I.R.	-	-	-	-	7.244	

R290

115 V / 60 Hz / 1 Phase																		
WJ 2450N-1	R290	115-1-60	LBP	30.50	4,790	1,404	1,030	1.36	4.65	12.5	123	C.S.R.	243-292	250	40	440	10.39	
AE 9422N-1	R290	115-1-60	MBP/CBP	7.57	2,218	650	410	1.59	5.41	6.3	30	C.S.I.R.	108-130	250	-	-	7.4	
AE 9426N-1	R290	115-1-60	MBP/CBP	8.86	2,678	785	523	1.5	5.12	4.8	32	C.S.R.	108-130	250	20	440	7.71	
AE 9440N-1	R290	115-1-60	MBP/CBP	14.14	4,265	1,250	740	1.69	5.76	6.6	40	C.S.R.	130-156	330	25	440	8.54	
208-230 V / 60 Hz / 1 Phase																		
WJ 2450N-2	R290	208/230-1-60	LBP	30.50	4,800	1,407	1,080	1.3	4.44	5.3	47	C.S.R.	145-174	330	30	440	10.39	
AE 9422N-2	R290	208/230-1-60	MBP/CBP	7.57	2,218	650	410	1.59	5.41	2.6	16	C.S.I.R.	43-52	330	-	-	7.4	
AE 9426N-2	R290	208/230-1-60	MBP/CBP	8.86	2,730	800	490	1.63	5.57	3.1	17	C.S.I.R.	43-52	330	-	-	7.716	
AE 9440N-2	R290	208/230-1-60	MBP/CBP	14.14	4,400	1,290	735	1.75	5.99	3.3	17	C.S.R.	43-52	330	15	440	8.34	
220 V / 60 Hz / 1 Phase																		
AZ A0413N-6	R290	220-1-60	MBP/CBP	4.00	1,365	400	229	1.75	5.96	1.5	18	R.S.I.R.	-	-	-	-	7	

R404A

115 V / 60 Hz / 1 Phase																		
AE 2410Z-1	R404A/R507	115-1-60	LBP	5.99	1,024	300	285	1.05	3.59	4	24	C.S.I.R.	108-130	250	-	-	7.4	
AE 2413Z-1	R404A/R507	115-1-60	LBP	6.91	1,300	381	375	1.02	3.47	5.7	31	C.S.I.R.	108-131	250	-	-	7.4	
AE 2420Z-1	R404A/R507	115-1-60	LBP	12.05	1,830	536	505	1.06	3.62	6.2	45	C.S.R.	108-132	330	25	440	8.5	
AE 2425Z-1	R404A/R507	115-1-60	LBP	10.90	2,300	674	586	1.15	3.92	6.4	41	C.S.R.	108-133	330	20	440	7.87	
CA 2432Z-1	R404A/R507	115-1-60	LBP	18.00	2,883	845	754	1.12	3.82	7.4	47	C.S.R.	88-109	330	30	440	8.464	



MODEL	REF	VOLT/ PHASE/Hz	APP	DISP. (CC)	COOLING CAPACITY		INPUT (W)	COP (W/W)	EER (BTU/W-Hr)	RLA	LRA	MOTOR TYPE	START CAP		RUN CAP		DIM A	
					(BTU/HR)	(W)							MFD	VAC	MFD	VAC		
CA 2435Z-1	R404A/R507	115-1-60	LBP	20.00	3,395	995	865	1.15	3.92	10.8	40	C.S.R.	216-259	250	30	440	8.464	
CA 2440Z-1	R404A/R507	115-1-60	LBP	22.30	3,924	1,150	1,000	1.15	3.92	11	51	C.S.R.	243-292	250	35	440	8.464	
WJ 2435Z-1	R404A/R507	115-1-60	LBP	21.50	2,900	850	747	1.14	3.88	10	71	C.S.R.	189-227	250	20	425	10.39	
WJ2450Z-1	R404A/R507	115-1-60	LBP	26.75	4,330	1,270	1,035	1.23	4.18	9.6	97	C.S.R.	243-292	250	40	440	10.39	
WJ 2455Z-1	R404A/R507	115-1-60	LBP	30.50	5,400	1,583	1,275	1.24	4.24	13.1	123	C.S.R.	243-292	250	40	440	10.39	
BA 7440Z-1	R404A/R507	115-1-60	MBP	12.04	3,780	1,108	830	1.34	4.56	8.7	45	C.S.R.	189-227	250	25	440	8.464	
AE 4440Z-1	R404A/R507	115-1-60	HBP	7.57	4,497	1,318	690	1.91	6.52	6.5	32	C.S.R.	108-130	250	20	440	8.03	
208-230 V / 60 Hz / 1 Phase																		
AE 2410ZK-2	R404A/R507	208/230-1-60	LBP	6	1,153	338	278	1.22	4.15	1.9	13.6	C.S.I.R.	36-43	330	-	-	7.44	
AE 2410ZK-2	R404A/R507	208/230-1-60	LBP	6	1,153	338	262	1.29	4.4	1.3	12.4	C.S.R.	36-43	330	4	440	7.44	
AE 2413ZK-2	R404A/R507	208/230-1-60	LBP	6.91	1,307	383	323	1.19	4.05	2	12	C.S.I.R.	36-43	330	-	-	7.44	
AE 2413ZK-2	R404A/R507	208/230-1-60	LBP	6.91	1,330	390	300	1.3	4.44	1.5	12.2	C.S.R.	36-43	330	4	440	7.44	
AE 2416ZK-2	R404A/R507	208/230-1-60	LBP	8.1	1,580	463	348	1.33	4.54	1.7	15.5	C.S.R.	36-43	330	5	440	7.44	
AE 2420ZK-2	R404A/R507	208/230-1-60	LBP	12.04	1,962	575	475	1.21	4.13	2.2	16.9	C.S.R.	36-43	330	10	440	7.44	
AE 2425ZK-2	R404A/R507	208/230-1-60	LBP	14.14	2,286	670	546	1.23	4.19	2.6	27.1	C.S.R.	43-52	330	12	440	7.44	
AE 2428ZK-2	R404A/R507	208/230-1-60	LBP	16.08	2,730	800	656	1.22	4.16	3.2	20.3	C.S.R.	36-43	330	12	440	7.44	
CA 2432Z-2	R404A/R507	208/230-1-60	LBP	18	2,934	860	747	1.15	3.93	3.4	22	C.S.R.	43-52	330	20	440	8.464	
CA 2435Z-2	R404A/R507	208/230-1-60	LBP	20	3,395	995	917	1.09	3.7	4.1	28	C.S.R.	88-109	330	20	440	8.464	
WJ 2440Z-2	R404A/R507	208/230-1-60	LBP	24.2	3,907	1,145	970	1.18	4.03	5.2	43	C.S.R.	108-130	330	20	425	10.393	
WJ 2450Z-2	R404A/R507	208/230-1-60	LBP	26.75	4,400	1,290	1,080	1.19	4.08	5	43.5	C.S.R.	130-156	330	25	440	10.393	
WJ 2455Z-2	R404A/R507	208/230-1-60	LBP	30.5	1	1,590	1,275	1.25	4.26	5.9	47.3	C.S.R.	145-174	330	30	450	10.393	
AW 2450ZK-2	R404A/R507	208/230-1-60	LBP	37.5	5,374	1,575	1,260	1.25	4.27	7.2	54	C.S.R.	161-193	220/250	20	440	11.378	
AW 2462ZK-2	R404A/R507	208/230-1-60	LBP	39.6	5,800	1,700	1,330	1.28	4.36	7.6	54	C.S.R.	161-193	220/250	20	440	11.378	
AW 2464ZK-2	R404A/R507	208/230-1-60	LBP	43.1	6,612	1,938	1,475	1.31	4.48	8.1	54	C.S.R.	161-193	220/250	20	440	11.378	
AW 2495Z-2	R404A/R507	208/230-1-60	LBP	53.5	8,360	2,450	1,800	1.36	4.64	8.8	74	C.S.R.	161-193	330	25	450	12.756	
AW 2510Z-2	R404A/R507	208/230-1-60	LBP	71	10,050	2,946	2,806	1.05	3.58	13.1	90	C.S.R.	216-259	250	45	440	12.756	
BA 7440Z-2	R404A/R507	208/230-1-60	MBP/CBP	12.04	3,850	1,128	732	1.54	5.26	3.7	29	C.S.R.	36-43	330	12	440	8.464	
BA 7443Z-2	R404A/R507	208/230-1-60	MBP/CBP	14.14	4,290	1,257	880	1.43	4.87	4.4	27.3	C.S.R.	43-52	330	15	440	8.464	
BA 7452Z-2	R404A/R507	208/230-1-60	MBP/CBP	16.08	5,170	1,515	1,140	1.33	4.53	6	33	C.S.R.	88-106	330	15	440	8.464	
BA 7459Z-2	R404A/R507	208/230-1-60	MBP/CBP	18	5,950	1,744	1,295	1.35	4.6	6.2	33	C.S.R.	88-106	330	20	440	8.464	
CA 9465Z-2	R404A/R507	208/230-1-60	MBP/CBP	20	6,566	1,895	1,466	1.29	4.41	8.7	40	C.S.R.	43-52	330	20	440	8.464	
WJ 9470Z-2	R404A/R507	208/230-1-60	MBP/CBP	21.55	7,329	2,148	1,250	1.72	5.86	5.6	30	C.S.R.	88-106	330	25	440	10.393	
AW 7512Z-2	R404A/R507	208/230-1-60	MBP/CBP	37.5	12,198	3,575	2,136	1.67	5.71	11.9	58	C.S.R.	161-193	330	25	440	11.378	
AW 7514Z-2	R404A/R507	208/230-1-60	MBP/CBP	43.1	12,502	3,664	2,165	1.69	5.77	9.9	62	C.S.R.	161-193	330	45	440	12.755	
AW 7516Z-2	R404A/R507	208/230-1-60	MBP/CBP	53.5	15,960	4,678	2,520	1.86	6.33	11.5	64.5	C.S.R.	161-193	330	40	440	12.755	
AW 7524Z-2	R404A/R507	208/230-1-60	MBP/CBP	71	21,700	6,360	3,855	1.65	5.63	19.7	110	C.S.R.	243-292	250	45	440	12.755	
AW 9516Z-2	R404A/R507	208/230-1-60	MBP/HBP	53.5	15,960	4,678	2,520	1.86	6.33	11.5	65	C.S.R.	161-193	330	40	425	12.755	
AW 9516Z-2	R404A/R507	208/230-1-60	MBP/HBP	53.5	29,060	8,517	3,285	2.59	8.85	14.8	65	C.S.R.	161-193	330	40	425	12.755	
AE 4430Z-2	R404A/R507	208/230-1-60	HBP	5.68	3,276	960	475	2.02	6.9	2.6	12	C.S.I.R.	36-43	330	-	-	8.464	
100 V / 60 Hz / 1 Phase																		
AE 2410ZK-3	R404A/R507	100-1-60	LBP	6	1,136	333	295	1.13	3.85	4.2	23	C.S.I.R.	108-130	250	-	-	8.464	
AE 2413ZK-3	R404A/R507	100-1-60	LBP	6.91	1,314	385	360	1.07	3.65	5	23.6	C.S.I.R.	108-130	250	-	-	8.464	
CA 2435Z-4	R404A/R507	110-1-60	LBP	20	3,685	1080	980	1.1	3.76	10.5	45	C.S.R.	130-156	330	35	440	215	
208-230 V / 60 Hz / 1 Phase																		
AW 2495ZK-6	R404A/R507	208/230-1-60	LBP	53.5	8,360	2,450	1,800	1.36	4.64	8.8	74	C.S.R.	161-193	330	25	450	12.755	
460 V / 60 Hz / 3 Phase																		
AW 2450Z-9	R404A/R507	460-3-60	LBP	37.5	4,880	1,430	1,025	1.4	4.76	1.8	24	3 PHASE	-	-	-	-	12.755	
AW 2464Z-9	R404A/R507	460-3-60	LBP	43.1	6,500	1,905	1,310	1.45	7.96	2.4	24	3 PHASE	-	-	-	-	12.755	
AW 2495Z-9	R404A/R507	460-3-60	LBP	53.5	8,680	2,544	1,725	1.47	5.03	3.1	30.5	3 PHASE	-	-	-	-	12.755	
AW 2510Z-9	R404A/R507	460-3-60	LBP	59	9,890	2,899	1,867	1.55	5.30	3.1	27	3 PHASE	-	-	-	-	12.755	
460 V / 60 Hz / 3 Phase																		
AW 7512Z-9	R404A/R507	460-3-60	MBP	37.5	11,760	3,447	1,810	1.9	6.50	2.6	25	3 PHASE	-	-	-	-	12.755	
AW 7514Z-9	R404A/R507	460-3-60	MBP	43.1	14,500	4,250	2,228	1.91	6.51	3.1	24	3 PHASE	-	-	-	-	12.755	
AW 7516Z-9	R404A/R507	460-3-60	MBP	53.5	16,160	4,736	2,778	1.7	5.82	3.7	24	3 PHASE	-	-	-	-	12.755	
AW 5524Z-9	R404A/R507	460-3-60	HBP	39.6	23,890	7,002	2,304	3.04	10.37	3.1	24	3 PHASE	-	-	-	-	12.755	
AW 5526Z-9	R404A/R507	460-3-60	HBP	43.1	26,104	7,650	2,510	3.05	40.40	3.4	24	3 PHASE	-	-	-	-	12.755	

MODEL	REF	VOLT/ PHASE/HZ	APP	DISP. (CC)	COOLING CAPACITY		INPUT (W)	COP (W/W)	EER (BTU/W-Hr)	RLA	LRA	MOTOR TYPE	START CAP		RUN CAP		DIM A
					(BTU/HR)	(W)							MFD	VAC	MFD	VAC	
AW 5534Z-9	R404A/R507	460-3-60	HBP	53.5	31,900	9,350	3,250	2.88	9.82	4.7	30.5	3 PHASE	-	-	-	-	12.755
AW 5538Z-9	R404A/R507	460-3-60	HBP	59	37,450	10,976	3,840	2.86	9.75	7.2	50	3 PHASE	-	-	-	-	12.755
AW 5540Z-9	R404A/R507	460-3-60	HBP	63	39,357	11,535	4,225	2.73	9.32	7.6	50	3 PHASE	-	-	-	-	12.755
AW 5545Z-9	R404A/R507	460-3-60	HBP	71	45,294	13,275	4,890	2.71	9.26	8.1	50	3 PHASE	-	-	-	-	12.755
200 -230 V / 60 Hz / 3 Phase																	
AW 2510ZXT	R404A/R507	200/230-3-60	LPB	71	9,700	2,843	2,585	1.1	3.75	8	65	3 PHASE	-	-	-	-	12.755
WJ 9485ZXT	R404A/R507	200/230-3-60	MBP/CBP	24.2	8,400	2,462	1,450	1.7	5.79	5	40	3 PHASE	-	-	-	-	10.393
WJ 9490ZXT	R404A/R507	200/230-3-60	MBP/CBP	26.7	16,400	4,982	2,100	2.37	8.09	6	40	3 PHASE	-	-	-	-	10.393
WJ 9510ZXT	R404A/R507	200/230-3-60	MBP/CBP	30.5	11,198	3,282	1,900	1.73	5.89	5.8	40	3 PHASE	-	-	-	-	10.393
WJ 7512ZXT	R404A/R507	200/230-3-60	MBP/CBP	37.5	10,652	3,122	1,880	1.66	5.67	5.3	48	3 PHASE	-	-	-	-	12.755
AW 7514ZXT	R404A/R507	200/230-3-60	MBP/CBP	43.1	12,516	3,668	2,200	1.67	5.69	6.1	46	3 PHASE	-	-	-	-	12.755
AW 7516ZXT	R404A/R507	200/230-3-60	MBP/CBP	53.5	16,160	4,736	2,928	1.62	5.52	8.6	60	3 PHASE	-	-	-	-	12.755
AW 7524ZXT	R404A/R507	200/230-3-60	MBP/CBP	71	21,400	6,272	3,564	1.76	6	10.3	65	3 PHASE	-	-	-	-	12.755
380 V / 60 Hz / 3 Phase																	
AW 2450ZXI	R404A/R507	380-3-60	LBP	37.5	4,600	1,348	1,000	1.35	4.6	1.9	24	3 PHASE	-	-	-	-	12.755
AW 2464ZXI	R404A/R507	380-3-60	LBP	43.1	5,372	1,680	1,250	1.34	4.59	2.1	24	3 PHASE	-	-	-	-	12.755
AW 2495ZXI	R404A/R507	380-3-60	LBP	53.5	8,460	2,480	1,740	1.42	4.48	31.1	30.5	3 PHASE	-	-	-	-	12.755
AW 2510ZXI	R404A/R507	380-3-60	LBP	59	9,960	2,920	2,000	1.46	4.98	3.3	27	3 PHASE	-	-	-	-	12.755
440-460 V / 60 Hz / 3 Phase																	
AW 2512ZXG	R404A/R507	440/460-3-60	LBP	71	12,700	3,772	2,970	1.25	4.28	4.6	40	3 PHASE	-	-	-	-	12.755
AW4524ZXG	R404A/R507	440/460-3-60	HBP	43.1	26,104	7,650	2,510	3.05	10.4	3.4	24	3 PHASE	-	-	-	-	12.755

Refrigeration Compressors

- Direct replacement compressors for Whirlpool, GE and Electrolux Appliances
- Replacement compressors for food-service equipment, vending machines, bottle coolers, ice machines and other refrigeration equipment
- Quick and easy connect wiring

Residential Heat Pump & AC Reciprocating Compressors

- Single phase and 3 phase compressors
- Designed for easy drop in installation in refrigeration, air conditioning and heat pump applications
- Quick connect wiring
- Direct replacement compressors for OEM applications
- Compressors come completely dehydrated, fully oil charged with mounting hardware and terminal cover



MODEL	REF	VOLT/ PHASE/Hz	APP	DISP. (CC)	COOLING CAPACITY		INPUT (W)	COP (W/W)	EER (BTU/W-Hr)	RLA	LRA	MOTOR TYPE	START CAP		RUN CAP		DIM A	
					(BTU/HR)	(W)							MFD	VAC	MFD	VAC		
115 V / 60 Hz / 1 Phase																		
AE 7422EK-1	R22	115-1-60	MBP/CBP	7.57	2,276	667	520	1.29	4.38	6.4	29	C.S.I.R.	108-130	250	-	-	7.44	
AE 9430EK-1	R22	115-1-60	MBP/CBP	8.86	2,780	815	565	1.44	4.92	5.4	32	C.S.R.	108-130	250	20	440	7.952	
AE 4440EK-1	R22	115-1-60	HBP	7.57	4,146	1,215	615	1.98	6.74	5.9	32	C.S.R.	108-130	250	20	440	7.952	
208-230 V / 60 Hz / 1 Phase																		
AE 6412E-2	R22	208/230-1-60	MBP/CBP	4.5	1,317	389	284	1.36	4.64	1.7	18.3	R.S.I.R.	-	-	-	-	7.44	
AE 7415EK-2	R22	208/230-1-60	MBP/CBP	5.48	1,467	430	360	1.19	4.08	2.4	12.7	C.S.I.R.	36-43	330	-	-	7.44	
AE 7422EK-2	R22	208/230-1-60	MBP/CBP	7.57	2,238	656	490	1.34	4.57	2.9	15.6	C.S.I.R.	36-43	330	-	-	7.44	
AE 7426EK-2	R22	208/230-1-60	MBP/CBP	8.86	2,678	785	577	1.36	4.64	3.3	16.4	C.S.I.R.	36-43	330	-	-	7.913	
AE 7435EK-2	R22	208/230-1-60	MBP/CBP	12.04	3,360	985	690	1.43	4.88	3.3	16.1	C.S.R.	36-43	330	8	450	8.5	
AE 7440EK-2	R22	208/230-1-60	MBP/CBP	14.14	4,002	1,173	793	1.48	5.05	3.6	17.1	C.S.R.	36-43	330	15	440	8.5	
AE 7445E-2	R22	208/230-1-60	MBP/CBP	16.08	4,436	1,300	987	1.32	4.49	4.3	21.9	C.S.R.	36-43	330	25	440	8.5	
WJ 9460E-2	R22	208/230-1-60	MBP/CBP	19.8	6,300	1,846	1,050	1.76	6	4.8	29	C.S.R.	88-106	330	20	440	10.393	
AE 4430EK-2	R22	208/230-1-60	HBP	6.92	3,207	940	585	1.61	5.48	2.9	15.9	C.S.R.	36-43	330	8	450	7.95	
AE 4440EK-2	R22	208/230-1-60	HBP	7.57	4,094	1,200	568	2.11	7.21	2.8	16.7	C.S.R.	36-43	330	8	450	7.95	
AE 4448EK-2	R22	208/230-1-60	HBP	8.86	4,606	1,350	725	1.86	6.35	3.5	15.8	C.S.R.	36-43	330	8	450	7.95	
AE 4474EK-2	R22	208/230-1-60	HBP	14.14	7,387	2,165	1,070	2.02	6.9	5.1	21.2	C.S.R.	36-43	330	15	440	8.5	
AW 4528EK-2	R22	208/230-1-60	HBP	48.4	27,800	8,148	2,780	2.93	10	12.9	73	C.S.R.	130-156	330	35	440	12.755	
AW 4532EK-2	R22	208/230-1-60	HBP	53.5	31,970	9,370	3,228	2.9	9.9	15.2	89.4	C.S.R.	130-156	-	50	440	12.755	
AE 5462EK-2	R22	208/230-1-60	HBP/AC	14.14	7,387	2,165	1,070	2.02	6.9	5.1	21.2	P.C.S.	-	-	15	440	8.425	
WJ 5510EK-2	R22	208/230-1-60	HBP/AC	19.8	11,567	3,390	1,380	2.46	8.38	7.1	37.3	P.C.S.	-	-	15	440	10.393	
WJ 5513EK-2	R22	208/230-1-60	HBP/AC	21.5	13,000	3,810	1,485	2.57	8.75	6.5	32	P.C.S.	-	-	25	440	10.393	
WJ 5515EK-2	R22	208/230-1-60	HBP/AC	24.2	14,400	4,220	1,717	2.46	8.39	8.1	38	P.C.S.	-	-	25	440	10.393	
WJ 5516EK-2	R22	208/230-1-60	HBP/AC	26.75	16,105	4,720	1,925	2.45	8.37	8.8	43.9	P.C.S.	-	-	25	440	10.393	
WJ 5518EK-2	R22	208/230-1-60	HBP/AC	30.5	18,698	5,480	2,230	2.46	8.38	1	53	P.C.S.	-	-	30	440	10.393	
AW 5513EK-2	R22	208/230-1-60	HBP/AC	27.8	14,750	4,323	1,470	2.94	10.03	6.8	40	P.C.S.	-	-	25	440	11.378	
AW 5515 EK-2	R22	208/230-1-60	HBP/AC	30.5	16,616	4,870	1,695	2.87	9.8	8.5	47	P.C.S.	-	-	25	440	11.378	
AW 5517EK-2	R22	208/230-1-60	HBP/AC	32.7	18,544	5,435	1,773	3.07	10.46	8.3	47	P.C.S.	-	-	30	440	11.378	
AW 5517EK-2	R22	208/230-1-60	HBP/AC	35.6	19,643	5,757	2,040	2.82	9.63	9.3	48	P.C.S.	-	-	35	440	11.378	
AW 5520EK-2	R22	208/230-1-60	HBP/AC	37.5	21,000	6,155	1,963	3.18	10.85	9.5	51.8	P.C.S.	-	-	35	440	12.756	
AW 5522EK-2	R22	208/230-1-60	HBP/AC	39.6	22,600	6,624	2,100	3.15	10.76	10.1	54	P.C.S.	-	-	30	440	12.756	
AW 5524EK-2	R22	208/230-1-60	HBP/AC	43.1	24,703	7,240	2,298	3.15	10.75	12	76	P.C.S.	-	-	40	440	12.756	
AW 5528EK-2	R22	208/230-1-60	HBP/AC	48.4	28,000	8,206	2,648	3.1	10.57	12.9	67	P.C.S.	-	-	40	440	12.756	
AW 5530EK-2	R22	208/230-1-60	HBP/AC	50.6	30,708	900	2,950	3.05	10.41	14.5	89.4	P.C.S.	-	-	50	440	12.756	
AW 5532EK-2	R22	208/230-1-60	HBP/AC	53.5	32,585	9,550	3,155	3.03	10.33	15.1	89.4	P.C.S.	-	-	50	440	12.756	
AW 5535EK-2	R22	208/230-1-60	HBP/AC	59	36,167	10,600	3,525	3.01	10.26	16.5	90	P.C.S.	-	-	60	440	12.756	
AW 5538E-2	R22	208/230-1-60	HBP/AC	63	37,388	10,958	3,790	2.89	9.87	16.6	85	P.C.S.	-	-	60	440	12.756	
110 V / 60 Hz / 1 Phase																		
AE 6412EK-4	R22	110-1-60	HBP/CBP	4.5	1,280	375	300	1.25	4.27	3.7	23	R.S.I.R.	-	-	-	-	7.44	
AE 7515EK-4	R22	110-1-60	HBP/CBP	5.48	1,484	435	408	1.07	3.64	5.1	32.6	C.S.I.R.	108-130	250	-	-	7.44	
AE 7422EK-4	R22	110-1-60	HBP/CBP	7.57	2,228	653	502	1.3	4.44	6.1	30	C.S.I.R.	108-130	250	-	-	7.44	
AE 7422EK-4	R22	110-1-60	HBP/CBP	7.57	2,252	660	475	1.39	4.74	5.2	26.2	C.S.R.	108-130	250	-	440	7.44	
AE 7426RK-4	R22	110-1-60	HBP/CBP	8.86	2,784	816	550	1.48	5.06	5.3	32	C.S.R.	108-130	250	-	440	7.95	
AE 3422EK-4	R22	110-1-60	HBP	4.5	2,200	645	400	1.61	5.5	5	30.8	R.S.I.R.	-	-	-	-	7.44	
AE 4430EK-4	R22	110-1-60	HBP	6.92	3,276	960	600	1.6	5.46	5.5	33	C.S.R.	108-130	250	20	440	7.95	
AE 4440EK-4	R22	110-1-60	HBP	7.57	4,248	1,245	595	2.09	7.14	6.4	34	C.S.R.	108-130	250	15	440	7.95	
AE 4448EK-4	R22	110-1-60	HBP	8.86	5,000	1,465	727	2.02	6.88	7	37	C.S.R.	108-130	250	20	440	7.95	
220 V / 60 Hz / 1 Phase																		
AW 5515EK-6	R22	220-1-60	HBP/AC	30.5	16,207	4,750	1,630	2.91	9.94	7.5	15.8	P.S.C.	-	-	25	440	12.756	
AW 5520EK-6	R22	220-1-60	HBP/AC	37.5	20,404	5,980	2,023	2.95	10.05	9.5	51.8	P.S.C.	-	-	35	440	12.756	
AW 5522EK-6	R22	220-1-60	HBP/AC	39.6	21,700	6,360	2,160	2.94	10.05	10.1	51.8	P.S.C.	-	-	30	440	12.756	
AW 5528EK-6	R22	220-1-60	HBP/AC	48.4	28,140	8,247	2,807	2.94	10.02	12.9	65	P.S.C.	-	-	35	440	12.756	
AW 5530WK-6	R22	220-1-60	HBP/AC	50.6	30,060	8,810	3,020	2.92	9.95	13.9	78	P.S.C.	-	-	45	440	12.756	
220 V / 60 Hz / 1 Phase																		
AW 5522E-9	R22	460-3-60	HBP/AC	39.6	21,200	6,213	2,020	2020	10.5	2.8	24	3 PHASE	-	-	-	-	12.756	
AW 5524E-9	R22	460-3-60	HBP/AC	43.1	23,572	6,920	2,278	2278	10.35	3.2	24	3 PHASE	-	-	-	-	12.756	

MODEL	REF	VOLT/ PHASE/Hz	APP	DISP. (CC)	COOLING CAPACITY		INPUT (W)	COP (W/W)	EER (BTU/W-Hr)	RLA	LRA	MOTOR TYPE	START CAP		RUN CAP		DIM A
					(BTU/HR)	(W)							MFD	VAC	MFD	VAC	
AW 5528E-9	R22	460-3-60	HBP/AC	48.4	28,220	8,270	2,670	2670	10.57	3.9	30.5	3 PHASE	-	-	-	-	12.756
AW 5530E-9	R22	460-3-60	HBP/AC	50.6	30,398	8,909	2,900	2900	10.48	4.1	30	3 PHASE	-	-	-	-	12.756
AW 5532E-9	R22	460-3-60	HBP/AC	53.5	31,000	9,056	3,030	3030	10.23	4.4	30.5	3 PHASE	-	-	-	-	12.756
AW 5535E-9	R22	460-3-60	HBP/AC	59	34,800	10,200	3,925	3925	8.87	5.6	38	3 PHASE	-	-	-	-	12.756
AW 5538E-2	R22	460-3-60	HBP/AC	63	37,003	10,845	3,770	3770	9.82	6.8	50	3 PHASE	-	-	-	-	12.756
AW 5542E-9	R22	460-3-60	HBP/AC	71	42,700	12,515	4,440	2.82	9.62	7.4	50	3 PHASE	-	-	-	-	12.756

R407C

208-230 V / 60 Hz / 1 Phase																	
WJ9460G-2	R407C	208/230-1-60	MBP/CBP	19.8	6,300	1,846	1,050	1.76	6	4.8	29	C.S.R.	88-106	330	20	440	10.39
AW 4524GK-2	R407C	208/230-1-60	MBP/HBP	43.1	12,510	3,665	1,948	1.88	6.42	10	76	C.S.R.	108-130	330	35	440	12.756
AW 4524GK-2	R407C	208/230-1-60	MBP/HBP	43.14	24,220	7,100	2,420	2.93	10	12	76	C.S.R.	108-131	330	35	440	12.756
AW 4528GK-2	R407C	208/230-1-60	MBP/HBP	48.4	14,920	4,373	2,195	1.99	6.8	10	73	C.S.R.	108-132	330	35	440	12.756
AW 4528GK-2	R407C	208/230-1-60	MBP/HBP	48.4	27,800	8,148	2,780	2.93	10	12.9	73	C.S.R.	108-133	330	35	440	12.756
AW4532GK-2	R407C	208/230-1-60	MBP/HBP	53.5	16,660	4,883	2,594	1.88	6.42	12.4	89.4	C.S.R.	108-134	330	50	440	12.756
AW4532GK-2	R407C	208/230-1-60	MBP/HBP	53.5	31,970	9,370	3,228	2.9	9.9	15.2	89.4	C.S.R.	108-135	330	50	440	12.756
AE 5462GK-2	R407C	208/230-1-60	HBP/AC	14.14	7,097	2,080	970	2.14	7.32	4.5	24	P.S.C.	-	-	15	440	8.425
AW 5519GK-2	R407C	208/230-1-60	HBP/AC	35.6	16,970	4,974	1,950	2.55	8.7	9.1	70	P.S.C.	-	-	30	440	11.378

208-230 V / 60 Hz / 1 Phase																	
WJ 9480G-6	R407C	208/230-1-60	MBP/CBP	24.2	14,023	4,110	1,710	2.4	8.2	7.5	40	C.S.R.	108-130	330	25	450	10.4

460 V / 60 Hz / 3 Phase																	
AW 4532G-9	R407C	460-3-60	HBP	53.5	29,582	8,670	2,990	2.9	9.9	4.4	30.5	3 PHASE	-	-	-	-	12.756
AW 5519G-9	R407C	460-3-60	HBP/AC	39.6	18,899	5,539	1,854	2.99	10.19	2.6	24	3 PHASE	-	-	-	-	12.756
AW 5524G-9	R407C	460-3-60	HBP/AC	43.1	23,572	6,908	2,278	3.03	10.35	3.4	24	3 PHASE	-	-	-	-	12.756
AW 5528G-9	R407C	460-3-60	HBP/AC	48.4	28,220	8,270	2,670	3.1	10.57	3.9	30.5	3 PHASE	-	-	-	-	12.756
AW 5532G-9	R407C	460-3-60	HBP/AC	53.5	31,000	9,086	3,030	3	10.23	4.4	30.5	3 PHASE	-	-	-	-	12.756

208-230 V / 60 Hz / 1 Phase																	
AW 5520B-2	R410A	208/230-1-60	HBP/AC	27.8	19,510	5,718	2,052	2.79	8.51	9	55	P.S.C.	130-156	330	35	440	12.756
AW 5524B-2	R410A	208/230-1-60	HBP/AC	32.7	25,300	7,414	2,628	2.82	9.63	11.4	60	P.S.C.	161-193	330	40	440	12.756
AW 5530B-2	R410A	208/230-1-60	HBP/AC	37.5	29,690	8,702	3,100	2.81	9.59	15.3	100	P.S.C.	161-193	330	45	440	12.756
AW 5532B-2	R410A	208/230-1-60	HBP/AC	39.6	32,370	9,487	3,375	2.81	9.59	16	100	P.S.C.	161-193	330	50	440	12.756
AW 5535B-2	R410A	208/230-1-60	HBP/AC	43.1	35,710	10,466	3,723	2.81	9.59	16.4	90	P.S.C.	108-130	330	60	440	12.756
AW 5540B-2	R410A	208/230-1-60	HBP/AC	48.4	40,970	12,007	4,246	2.83	9.65	18.7	90	P.S.C.	108-130	330	60	440	12.756

R22

440-460 V / 60 Hz / 3 Phase																	
KA 5538EXG	R22	440/460-3-60	HBP/AC	65	37,000	10,844	3,286	3.3	11.26	5.7	43	3 PHASE	-	-	-	-	15.7
KA 5542EXG	R22	440/460-3-60	HBP/AC	70	41,000	12,017	3,630	3.31	11.29	6	43	3 PHASE	-	-	-	-	15.7
KA 5550EXG	R22	440/460-3-60	HBP/AC	80	49,000	14,360	7,365	3.29	11.23	6.8	43	3 PHASE	-	-	-	-	15.7
KA 5555EXG	R22	440/460-3-60	HBP/AC	90	55,000	14,120	4,975	3.24	11.06	8	70	3 PHASE	-	-	-	-	15.7
KA 5560EXG	R22	440/460-3-60	HBP/AC	100	58,000	17,000	5,466	3.11	10.61	10	70	3 PHASE	-	-	-	-	15.7
KA 5570EXG	R22	440/460-3-60	HBP/AC	115	70,000	20,516	6,618	3.11	10.58	10.5	70	3 PHASE	-	-	-	-	15.7

360 V / 60 Hz / 3 Phase																	
KA 5560EXI	R22	380-3-60	HBP/AC	100	59,500	17,430	5,550	3.14	10.72	9.6	74	3 PHASE	-	-	-	-	15.7

200-230 V / 60 Hz / 3 Phase																	
KA 5550EXT	R22	200/230-3-60	HBP/AC	80	46,500	13,629	4,150	3.28	11.2	13.6	121	3 PHASE	-	-	-	-	15.7
KA 5555EXT	R22	200/230-3-60	HBP/AC	90	54,300	15,914	4,860	2.27	11.17	15	121	3 PHASE	-	-	-	-	15.7

R404A / R507

380-420 V / 60 Hz / 3 Phase																	
KA 9522ZXG	R404A/R507	380/420-3-60	MBP/CBP	65	22,300	6,536	3,035	2.15	7.35	5.8	43	3 PHASE	-	-	-	-	15.7
KA9524ZXG	R404A/R507	380/420-3-60	MBP/CBP	70	23,400	6,858	3,200	2.14	7.31	6	43	3 PHASE	-	-	-	-	15.7
KA 9528ZXG	R404A/R507	380/420-3-60	MBP/CBP	80	27,500	8,060	3,690	2.18	7.45	6.3	43	3 PHASE	-	-	-	-	15.7
KA 9531ZXG	R404A/R507	380/420-3-60	MBP/CBP	90	31,000	9,086	4,090	2.22	7.58	7.5	70	3 PHASE	-	-	-	-	15.7
KA 9535ZXG	R404A/R507	380/420-3-60	MBP/CBP	100	35,000	10,258	4,710	2.18	7.43	8.1	70	3 PHASE	-	-	-	-	15.7
KA 9540ZXG	R404A/R507	380/420-3-60	MBP/CBP	115	40,500	11,870	5,600	2.12	7.23	9.2	70	3 PHASE	-	-	-	-	15.7
KA 5542ZXG	R404A/R507	440/460-3-60	HBP	65	41,500	12,163	3,810	3.19	10.89	6.6	43	3 PHASE	-	-	-	-	15.7

MODEL	REF	VOLT/ PHASE/HZ	APP	DISP. (CC)	COOLING CAPACITY		INPUT (W)	COP (W/W)	EER (BTU/W-Hr)	RLA	LRA	MOTOR TYPE	START CAP		RUN CAP		DIM A	
					(BTU/HR)	(W)							MFD	VAC	MFD	VAC		
200-230 V / 60 Hz / 3 Phase																		
KA 2512ZXT	R404A/R507	200/230-3-60	LBP	93	12,430	3,643	3,050	1.19	4.08	10.2	90	3 PHASE	-	-	-	-	399	
KA 9524ZXT	R404A/R507	200/230-3-60	MBP/CBP	70	20,800	6,096	2,765	2.2	7.52	14.8	121	3 PHASE	-	-	-	-	399	
KA 9531ZXT	R404A/R507	200/230-3-60	MBP/CBP	90	28,870	8,460	3,800	2.23	7.6	16	121	3 PHASE	-	-	-	-	399	
KA 9535ZXT	R404A/R507	200/230-3-60	MBP/CBP	100	24,567	10,130	4,530	2.24	7.63	16.7	121	3 PHASE	-	-	-	-	399	
KA 5542ZXT	R404A/R507	200/230-3-60	HBP	70	42,400	12,427	3,760	3.31	11.28	15.8	121	3 PHASE	-	-	-	-	399	
KA 5555ZXT	R404A/R507	200/230-3-60	HBP	90	54,720	16,038	5,150	3.11	10.63	17.8	121	3 PHASE	-	-	-	-	399	
KA 5562ZXT	R404A/R507	200/230-3-60	HBP	100	63,000	18,464	5,885	3.14	10.71	18.6	121	3 PHASE	-	-	-	-	399	

440-460 V / 60 Hz / 3 Phase																		
KA 2512Z-2	R404A/R507	200/230-3-60	LBP	93	12,370	3,625	3,120	1.16	3.96	14.5	110	C.S.R.	-	-	-	-	15.7	
KA 5560GXG	R407C	440/460-3-60	HBP/AC	100	5,800	16,999	5,466	3.11	10.61	10	70	3 PHASE	-	-	-	-	15.7	

R22

440-460 V / 60 Hz / 3 Phase																		
LA 5590EXG	R22	440/460-3-60	HBP/AC	174	90,000	26,378	9,090	2.9	9.9	15.5	60	3 PHASE	-	-	-	-	17.24	
LA 5610EXG	R22	440/460-3-60	HBP/AC	197	105,000	30,774	10,600	2.9	9.91	18.9	80	3 PHASE	-	-	-	-	17.87	
LA 5612EXG	R22	440/460-3-60	HBP/AC	211	120,000	35,170	12,120	2.9	9.9	21	85	3 PHASE	-	-	-	-	17.87	
380 V / 60 Hz / 3 Phase																		
LA 5590EXI	R22	380-3-60	HBP/AC	174	90,000	26,378	9,090	2.9	9.9	15.5	70	3 PHASE	-	-	-	-	17.24	
LA 5610EXI	R22	380-3-60	HBP/AC	197	105,000	30,774	10,600	2.9	9.91	18.9	120	3 PHASE	-	-	-	-	17.87	
LA 5612EXI	R22	380-3-60	HBP/AC	211	120,000	35,170	12,120	2.9	9.9	21	85	3 PHASE	-	-	-	-	17.87	

200-230 V / 60 Hz / 3 Phase																		
LA 5590EXT	R22	200/230-3-60	HBP/AC	174	90,000	26,378	9,090	2.9	9.9	26.7	121	3 PHASE	-	-	-	-	17.24	
LA 5610EXT	R22	200/230-3-60	HBP/AC	197	105,000	30,774	10,600	2.9	9.91	32.7	208	3 PHASE	-	-	-	-	17.87	
LA 5612EXT	R22	200/230-3-60	HBP/AC	211	120,000	35,170	12,120	2.9	9.9	32	85	3 PHASE	-	-	-	-	17.87	

R404A / R507

280-420 V - 60Hz - 3 Phase																		
LA 5590GXG	R404A/R507C	380/420-3-60	HBP/AC	174	88,580	25,961	8,850	2.93	10.01	14.5	60	3 PHASE	-	-	-	-	17.24	
LA 5610GXG	R404A/R507C	380/420-3-60	HBP/AC	197	105,000	30,774	10,600	2.9	9.91	18.9	80	3 PHASE	-	-	-	-	17.87	
LA 5612GXG	R404A/R507C	380/420-3-60	HBP/AC	211	120,000	35,170	12,120	2.9	9.9	21	85	3 PHASE	-	-	-	-	17.87	

R407C

440-460 V - 60Hz - 3 Phase																		
LA 5590GXG	R407C	440/460-3-60	HBP/AC	174	90,000	26,378	9,090	2.9	9.9	15.5	60	3 PHASE	-	-	-	-	17.24	
LA 5612GXG	R407C	440/460-3-60	HBP/AC	211	120,000	35,170	12,120	2.9	9.9	21	85	3 PHASE	-	-	-	-	17.8	



Model	App.	HP	Voltage Phase HZ	Ref.	Motor Type	Receiver Type	Nominal Capacity		Fan Motor		Fan Blade		Dimensions (Inch)		
							Watt	BTU/Hr	Output Watt	FLA Amps	Blade	Diameter Inch (OD)	H	D	W
CAE 1360YB-1	HBP	1/16	115-1-60	R134a	R.S.I.R.	WITH	189	645	9	0.25	8	9.05	11	18.5	13
CAE 2410YA-2	LBP	1/4	208/230-1-60	R134a	C.S.I.R.	LESS	312	1065	7	0.25	5	8	10	17.7	13.4
CAE 2413YA-2	LBP	1/3	208/230-1-60	R134a	C.S.R.	LESS	372	1269	13	0.32	5	9.05	11	18.5	13
CAE 3425YB-1	HBP	1/6	115-1-60	R134a	R.S.I.R.	WITH	802	1958	13	0.32	5	9	11	18.5	13
CAE 4440YB-1	HBP	1/3	115-1-60	R134a	C.S.R.	WITH	1174	4006	7	0.53	5	6	11.2	18.5	13
CAE 7423YB-2	MBP	2/7	208/230-1-60	R134a	C.S.I.R.	WITH	670	2286	13	0.32	5	9	11	18.5	13
CAE 9437YB-1	CBP	3/7	115-1-60	R134a	C.S.R.	WITH	986	3363	13	0.32	5	9.05	11	18.5	13
CWJ 9440Y-1	CBP	1/2	115-1-60	R134a	C.S.R.	WITH	1180	4026	40	0.91	5	12	14.5	24.4	20.47
CWJ 9440Y-2	CBP	1/2	208/230-1-60	R134a	C.S.R.	WITH	1158	3951	40	0.91	5	12	14.5	24.4	20.47
CWJ 9460YB-2	CBP	2/3	208/230-1-60	R134a	C.S.R.	WITH	1580	5391	41	0.37	5	12	14.5	24.4	20.47
CAE 2420ZB-2	LBP	1/2	208/230-1-60	R404a/R507C	C.S.R.	WITH	575	1962	13	0.32	5	9.05	11	18.5	13
CAE 2425ZB-2	LBP	4/7	208/230-1-60	R404a/R507C	C.S.R.	WITH	670	2286	13	0.32	5	9.05	11	18.5	13
CAE 4440ZB-1	HBP	3/8	115-1-60	R404a/R507C	C.S.R.	WITH	1318	4500	13	0.32	5	9.05	11	18.5	13
CWJ 9490ZB-2	MBP	1 1/7	208/230-1-60	R404a/R507C	C.S.R.	WITH	2696	9200	40	0.91	5	11.8	13.22	19.68	17.12
CWJ 9490ZB-2	HBP	1 2/7	208/230-1-60	R404a/R507C	C.S.R.	WITH	4490	15320	40	0.91	5	11.8	13.22	19.68	17.12
CWJ 9513ZB-2	MBP	1 5/9	208/230-1-60	R404a/R507C	C.S.R.	WITH	3650	12454	40	0.91	5	12	12.56	19.68	17.12
CWJ 9513ZB-2	HBP	1 7/9	208/230-1-60	R404a/R507C	C.S.R.	WITH	6256	21345	40	0.91	5	12	12.56	19.68	17.12
CAW 2464ZB-2	LBP	1 3/4	208/230-1-60	R404a/R507C	C.S.R.	WITH	1938	6612	40	0.91	5	11.8	13.26	19.68	25
CAW 2464ZB-9	LBP	1 3/7	460-3-60	R404a/R507C	3 PHASE	WITH	1905	6500	28	0.6	5	11.8	13.23	19.68	17.13
CAW 2495ZB-9	LBP	2	460-3-60	R404a/R507C	3 PHASE	WITH	2544	8680	28	0.6	5	11.8	16.57	21.65	33.85
CAW 5522EB-9	HBP	1 2/3	460-3-60	R22	3 PHASE	WITH	6213	21199	41	0.37	5	11.8	16.57	21.65	33.85
CAW 5524EB-9	HBP	1 2/3	460-3-60	R22	3 PHASE	WITH	6909	23572	28	0.6	5	11.8	16.57	21.65	33.85
CAW 5528EB-9	HBP	2	460-3-60	R22	3 PHASE	WITH	8270	28217	28	0.6	5	11.8	16.57	21.65	33.85

Kulthorn Condensing Units

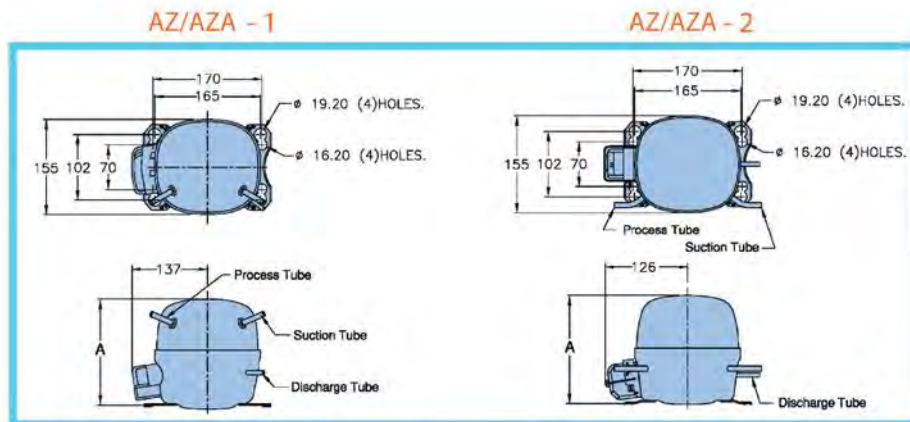
- Broad range of condensing units from 1/5 HP - 3 HP
- Designed for specific applications
- High ambient coil designs
- Quality components selected for longer life and reduced warranty cost

Condensing units can be manufactured per customer requirements



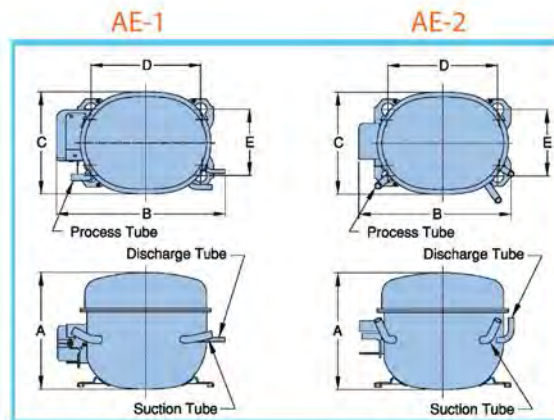
AZ/AZA Compressor

General Dimensions (mm.)



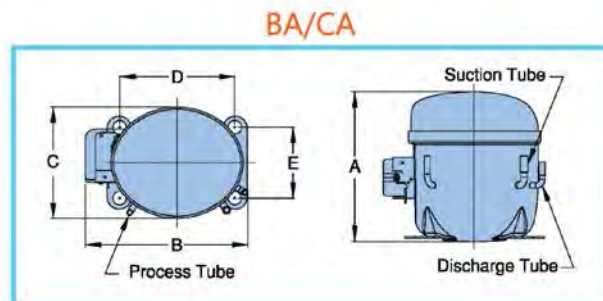
AE Compressor

General Dimensions (mm.)



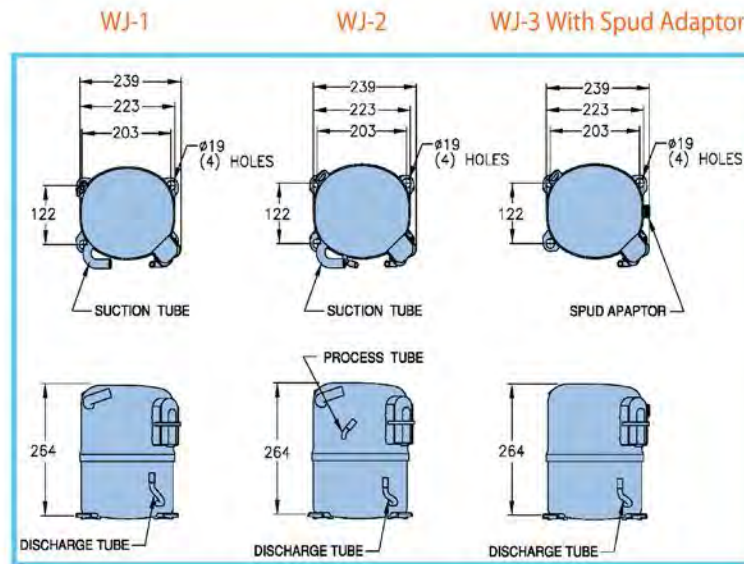
BA/CA Compressor

General Dimensions (mm.)



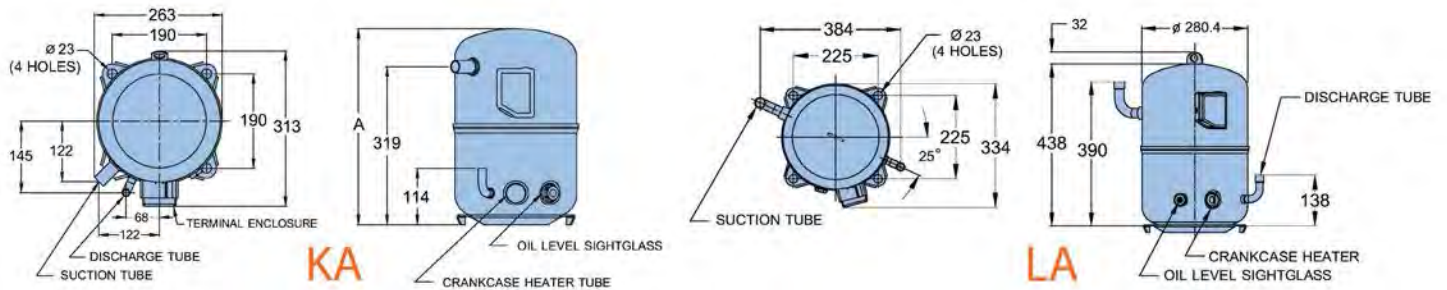
WJ Compressor

General Dimensions (mm.)



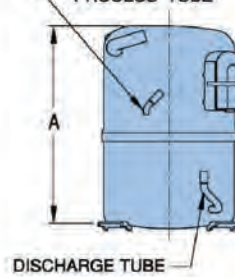
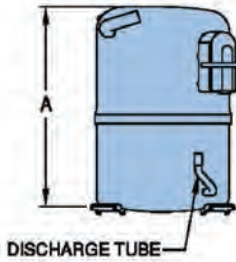
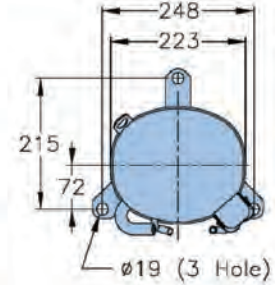
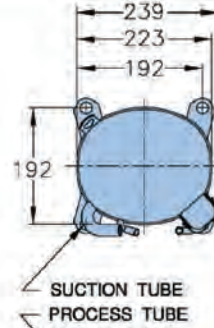
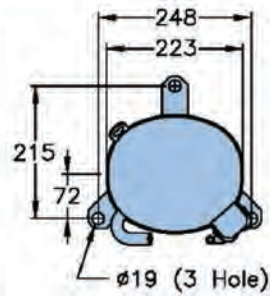
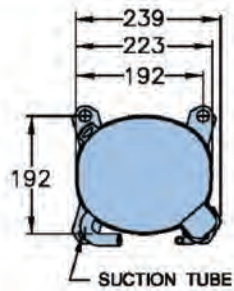
KA/LA Compressor

General Dimensions (mm.)



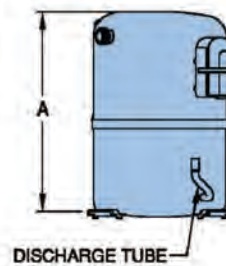
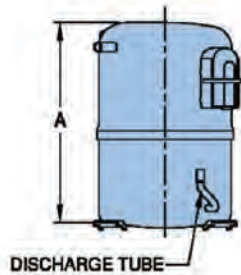
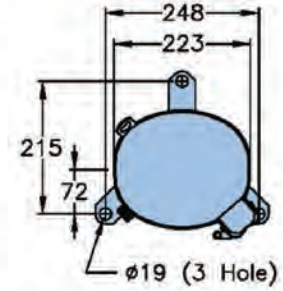
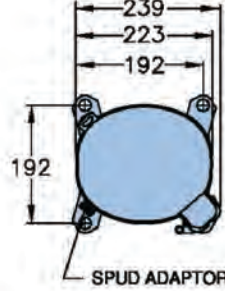
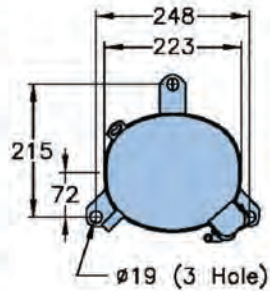
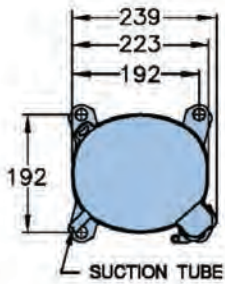
AW Compressor

General Dimensions (mm.)

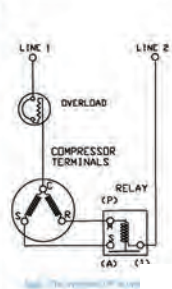
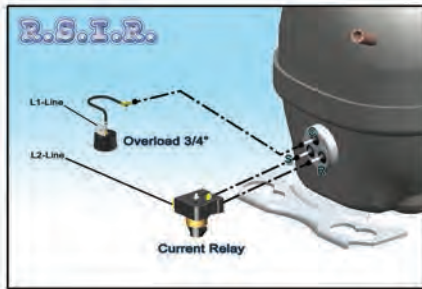


AW-3

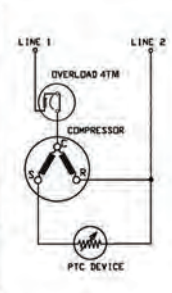
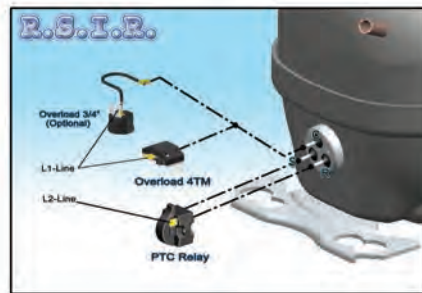
AW-4 With Spud Adaptor



RSIR: Resistance Start Induction Run

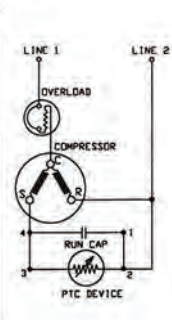
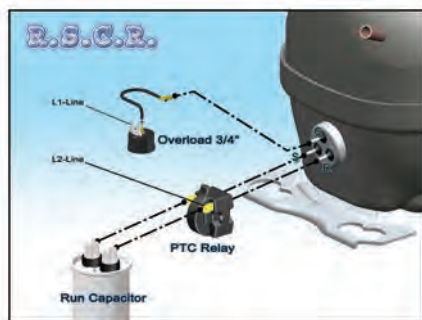


RSIR motor with current relay:
The motors have a normal starting torque and are designed for completely self-equalizing capillary tube.



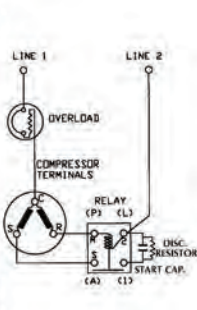
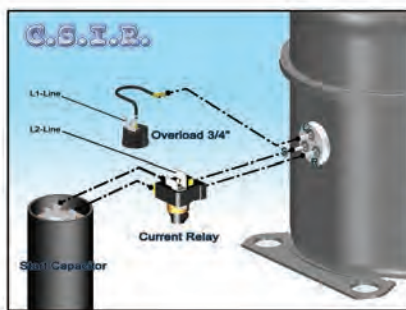
RSIR motor with PTC relay:
The motor functioning is similar to the RSIR with current relay motor, except for the current relay, which is replaced by the PTC relay.

RSCR: Resistance Start Capacitor Run



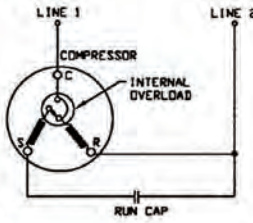
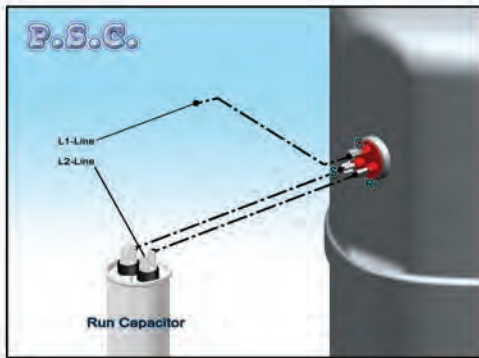
The motors have a PTC starting torque and a run capacitor. Their functioning is similar to the PSC motor. These compressors have a normal starting torque.

CSIR: Capacitor Start Induction Run



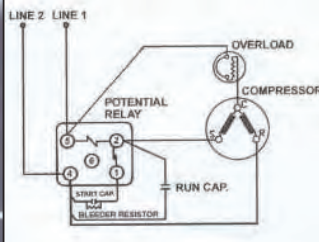
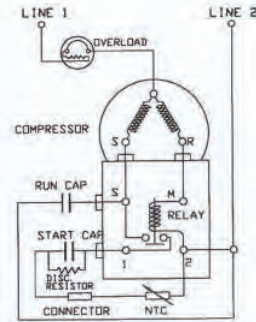
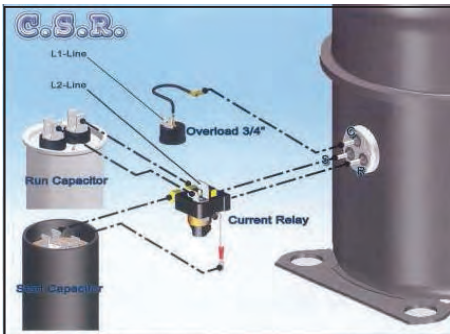
The motors have a high starting torque, using an electrolytic starting capacitor. Recommended for applications with capillary tube or expansion valve systems.

PSC: Permanent Split Capacitor

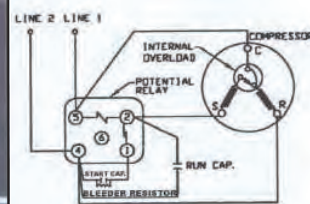
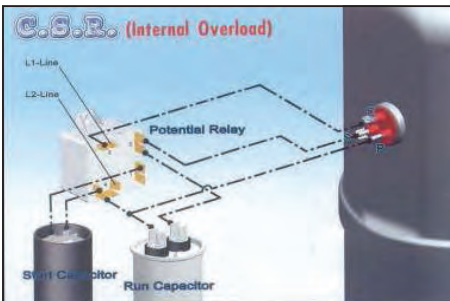


A run capacitor in series with the start winding produces a higher efficiency (EER) in comparison to a RSIR motor. They have a normal starting torque and are designed for capillary tube control devices, with equalized pressures.

CSR: Capacitor Start Capacitor Run

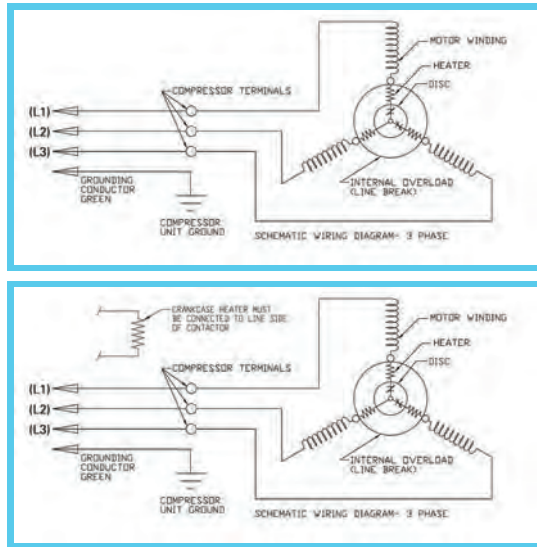


This motor arrangement uses a start capacitor added to a PSC circuit. The high starting torque is suitable for unequalized systems with capillary tube or expansion valve, maintaining the same efficiency of a PSC motor.



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.



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 9.1°F)	-6.7 to 12.7°C (20 to 55°F)

Conversion Factor

Capacity in HP (Horse Power)

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)

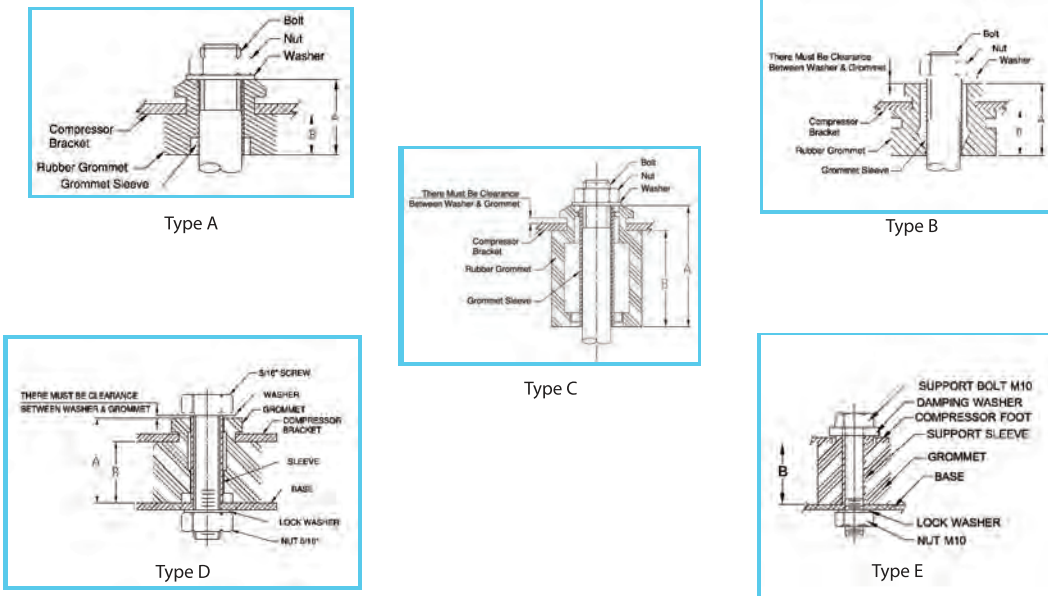
$$HP = \frac{\text{Performance at 60Hz in Btu/hr}}{4000}$$

Serial Plate Label & Compressor Mounting System

Serial Plate Label



Compressor Mounting System



Series	Type	High "A" (mm.)	High "B" (mm.)
AZ, AZA	A	17.5	9.5
AE, BA	B	21.8	13.9
AW, WJ	C	37	29
AW, WJ	D	28.5	20.6
KA, LA	E	-	35

Aftermarket Terms and Conditions

1. Prices are those in effect at time of shipment. Prices are subjected to change without notice.
2. Minimum order requirement is \$50.00
3. All shipments are F.O.B. shipping point.
4. Wholesale single release orders of \$2000.00 or more receive prepaid freight to the first destination within the continental U.S. method of shipment is at the discretion of Elco. Orders less than \$2000.00 will be shipped freight prepaid with the freight charge added to the invoice. If customer specifies the carrier on a charge freight order, the order will be shipped freight collect.
5. claims for shortages and damages must be reported within five business days following the date of delivery. Shortages and/or other visible damages to the exterior packaging must also be noted on the bill of lading. Claims are subjected to count/inspection. Damaged product is to be kept for 90 days after claim is reported unless otherwise directed by Elco.
6. Terms: Net 30 to all customers having approved credit standing.
7. Return authorization must be obtained from Elco by the wholesaler before returning any products. Merchandise cannot be returned without a return authorization form.
8. Return items will receive a 25% restocking charge. customer pays the freight. All returns must be within 30 days from date of shipment and be new, in original packaging, clean and unmarked.

Compressor Warranty Procedures

1. All items sold by Elco are warranted against defects in workmanship or materials under normal use for a period of one year.
2. Authorization must be obtained from Elco by the purchaser before returning any merchandise. Returned merchandise will not be accepted without an authorization number.
3. Complete warranty report for each compressor
4. Create a "reference number" for each form (see upper right corner of warranty form). That number will be used in the PO field of the warranty credit for identifying your warranty.
5. Attach a copy of the sales invoice (the word INVOICE must appear on this document) where you sold the compressor to your customer the first time.
6. This invoice must be dated within the last 12 month period.
7. Remove and send mylar stickers or metal tags and attach them to the warranty form. Models with imprinted date codes will need to attach a photo with model and date code information.
8. Please mail the above (3*) items to the address below.
9. All compressors can be field scrapped after credit has been received.
DO NOT RETURN THE COMPRESSOR
Elco reserves the right to require the return of any compressor for the purpose of warranty approval or denial.
These instructions are for Kulthron Kirby, Kulthorn Premier.
You may choose to send warranties via UPS, Fedex or USPS to verify delivery and for available tracking. All Shipping methods are at customers expense.



KULTHORN

World Class Hermetic Compressors
Refrigeration & Air Conditioning