

Copeland Scroll Compressors

R410A refrigerant series



Copeland Scroll compressors are perfectly suited for split systems, rooftops, packaged units and chiller applications.

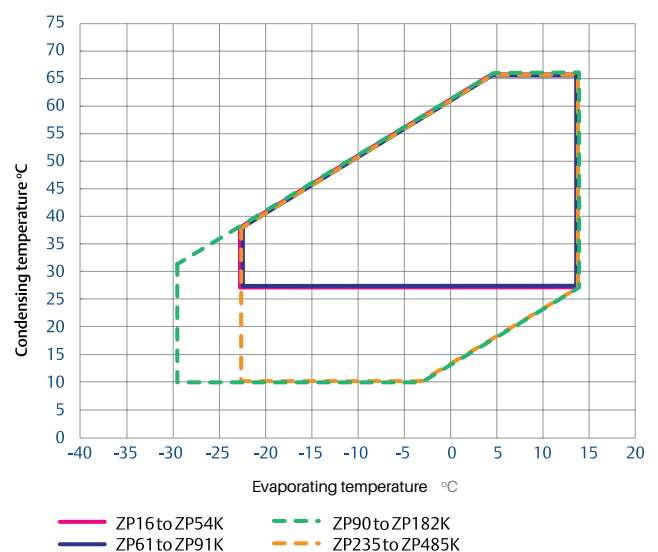
Scroll compressors offer an advantage of fewer moving parts with scroll sets wearing in. Meanwhile, both axial and radial compliance allows the scroll compressor to be more tolerant of liquid refrigerant and debris thus enhancing reliability. Furthermore, Emerson's well established expertise in parallel multiple compressors to one efficient solution provides a unique advantage and an assured benefit even for the manufacture of large capacity systems (air and water cooled chillers).

The broad range of products goes from 3kW (ZP14) to 180kW (ZP725) in single, tandem and triple compressors applications. The technology expands the capacity of systems to 430kW and 650kW.

Features and benefits

- Tandem and trio configurations, with excellent seasonal energy efficiency
- Copeland Scroll radial and axial compliance guarantees excellent compressor reliability and efficiency
- Low life cycle climate performance
- Wide scroll line-up for R410A refrigerants
- Low sound and vibration levels
- Low oil circulation rate
- Extended 5K suction superheat operating envelope is suitable for heat pump applications. Please contact your local Emerson applications engineer for more information.

Operating envelopes



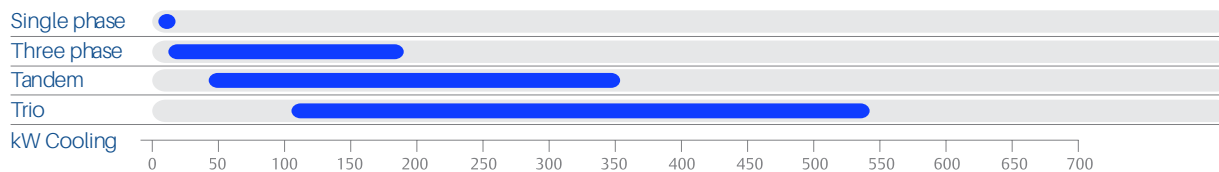
Remarks: Please refer to the application guide for the actual operating envelope.



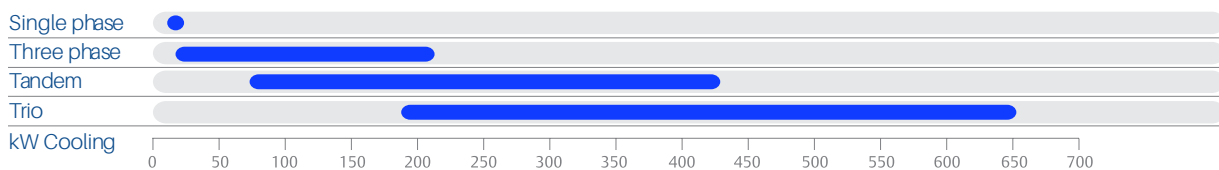
Product line up

R22/R407C

50 Hz



60 Hz



Technical data

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP16K5E PFJ	1.3	3,605	12,300	1,400	6.6	2.57	8.8	15.1	0.74	22.2	44.0	66.0
ZP16K5E PFZ	1.3	3,605	12,300	1,400	6.6	2.57	8.8	15.1	0.74	21.3	44.0	66.0
ZP20K5E PFJ	1.6	4,777	16,300	1,750	8.1	2.73	9.3	19.3	0.74	21.8	52.0	66.0
ZP20K5E PFZ	1.6	4,777	16,300	1,750	8.1	2.73	9.3	19.3	0.74	21.3	52.0	66.0
ZP21K5E PFJ	1.8	4,982	17,000	1,850	8.5	2.69	9.2	20.3	0.74	21.8	52.0	66.0
ZP22K5E PFZ	1.8	5,393	18,400	1,800	8.4	3.00	10.2	20.6	0.77	20.0	53.0	66.0
ZP23K3E PFJ	1.9	5,568	19,000	2,110	9.9	2.64	9.0	23.3	1.12	28.6	58.0	65.0
ZP23K3E PFZ	1.9	5,686	19,400	2,050	9.5	2.77	9.5	23.3	1.12	28.6	61.0	65.0
ZP24K5E PFJ	2.0	5,715	19,500	2,000	9.2	2.86	9.7	22.8	0.74	22.2	60.0	66.0
ZP24K5E PFZ	2.0	5,744	19,600	2,000	9.3	2.87	9.8	22.8	0.74	21.8	60.0	66.0
ZP25K5E PFJ	2.0	5,979	20,400	2,100	9.7	2.85	9.7	23.9	0.74	22.2	60.0	66.0
ZP25K5E PFZ	2.0	6,008	20,500	2,010	9.5	2.99	10.2	23.3	0.77	20.0	60.0	66.0
ZP25K3E PFZ	2.0	5,949	20,300	2,110	9.8	2.82	9.6	23.9	0.74	21.8	60.0	66.0
ZP26K3E PFJ	2.0	6,067	20,700	2,300	11.0	2.64	9.0	25.2	1.12	28.6	61.0	65.0

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP26K3E PFZ	2.0	6,067	20,700	2,300	11.0	2.64	9.0	25.2	1.12	28.6	74.0	65.0
ZP27KME PFZ	2.0	6,565	22,400	2,180	10.3	3.01	10.3	25.7	0.77	20.0	60.0	66.0
ZP28K5E PFJ	2.5	6,594	22,500	2,320	10.7	2.84	9.7	26.7	0.74	22.2	67.0	66.0
ZP28KME PFZ	2.5	6,858	23,400	2,320	10.7	2.96	10.1	26.7	0.77	20.0	60.0	63.0
ZP29K5E PFJ	2.5	6,858	23,400	2,380	11.0	2.88	9.8	27.5	0.74	22.2	67.0	66.0
ZP29KSE PFZ	2.5	6,887	23,500	2,400	11.0	2.87	9.8	27.5	0.74	22.7	67.0	66.0
ZP31K5E PFJ	2.5	7,327	25,000	2,630	11.9	2.79	9.5	29.5	0.74	22.2	67.0	66.0
ZP31KHE PFZ	2.5	7,473	25,500	2,550	11.9	2.93	10.0	0.0	0.86	22.2	67.0	66.0
ZP31KSE PFZ	2.5	7,356	25,100	2,550	11.8	2.88	9.9	29.5	0.74	22.7	67.0	66.0
ZP32K3E PFJ	2.5	7,532	25,700	2,860	13.2	2.63	9.0	30.6	1.24	31.3	82.0	67.0
ZP32K3E PFZ	2.5	7,591	25,900	2,790	12.8	2.72	9.3	30.6	1.24	31.3	82.0	67.0
ZP34KUE PFZ	3.0	8,059	27,500	2,640	13.0	3.05	10.4	31.5	1.24	30.4	102.0	68.0
ZP36K3E PFJ	3.0	8,411	28,700	3,280	15.9	2.56	8.7	34.9	1.24	31.8	97.0	67.0
ZP36K3E PFZ	3.0	8,851	30,200	3,050	14.7	2.90	9.9	34.9	1.24	29.9	97.0	67.0
ZP36K5E PFJ	3.0	8,528	29,100	3,100	14.7	2.75	9.4	34.4	1.24	32.2	87.0	68.0
ZP36KHE PFZ	3.0	8,792	30,000	2,940	14.1	2.99	10.2	34.4	1.24	32.2	98.0	68.0
ZP36KSE PFZ	3.0	8,792	30,000	2,940	14.1	2.99	10.2	34.4	1.24	29.0	98.0	68.0
ZP36KUE PFZ	3.0	9,671	33,000	2,430	11.9	3.98	13.6	34.4	1.24	30.4	102.0	68.0
ZP39KHE PFZ	3.5	9,202	31,400	3,140	14.5	2.93	10.0	36.9	1.24	32.7	98.0	68.0
ZP39KSE PFZ	3.5	9,202	31,400	3,140	14.5	2.93	10.0	36.9	1.24	32.7	98.0	68.0
ZP41K3E PFJ	3.5	9,847	33,600	3,570	16.9	2.76	9.4	39.3	1.24	31.8	97.0	67.0
ZP41K3E PFZ	3.5	9,847	33,600	3,510	17.2	2.81	9.6	39.3	1.24	29.5	114.0	67.0
ZP42K5E PFJ	3.5	10,257	35,000	3,500	15.7	2.93	10.0	39.8	1.24	33.1	98.0	68.0
ZP42KSE PFZ	3.5	10,199	34,800	3,480	16.7	2.93	10.0	39.8	1.24	32.7	128.0	68.0
ZP42KUE PFZ	3.5	11,283	38,500	2,930	14.6	3.85	13.1	39.8	1.24	30.4	115.0	68.0
ZP44K5E PFJ	3.5	10,756	36,700	3,620	16.8	2.97	10.1	42.0	1.24	33.1	114.0	68.0
ZP44KHE PFZ	3.5	10,756	36,700	3,620	16.8	2.97	10.2	42.0	1.24	32.7	119.0	71.0
ZP44KSE PFZ	3.5	10,756	36,700	3,600	16.7	2.99	10.2	42.0	1.24	30.4	114.0	71.0
ZP49K5E PFJ	4.0	11,752	40,100	3,960	19.5	2.97	10.1	46.4	1.24	34.0	126.0	68.0
ZP50K3E PFJ	4.0	12,485	42,600	4,100	19.5	3.05	10.4	48.2	1.66	44.0	136.0	72.0
ZP50K3E PFZ	4.0	12,485	42,600	4,100	19.5	3.05	10.4	48.2	1.66	44.0	136.0	72.0
ZP51K5E PFJ	4.0	12,162	41,500	4,050	19.8	3.00	10.3	48.2	1.24	34.0	126.0	68.0
ZP51KSE PFZ	4.0	12,162	41,500	4,050	19.8	3.00	10.3	48.2	1.24	34.0	126.0	68.0
ZP54K5E PFJ	4.5	12,954	44,200	4,300	20.7	3.01	10.3	51.1	1.24	34.0	128.0	68.0
ZP54KSE PFZ	4.5	13,042	44,500	4,320	20.9	3.02	10.3	51.1	1.24	34.0	115.5	70.0
ZP57K3E PFJ	4.5	13,950	47,600	4,700	24.0	2.97	10.1	54.2	1.66	41.7	153.0	72.0
ZP61KCE PFZ	5.0	14,800	50,500	4,950	23.3	2.99	10.2	58.2	1.77	39.9	147.0	72.0
ZP67KCE PFZ	5.5	16,119	55,000	5,450	25.7	2.96	10.1	62.9	1.77	39.9	155.0	72.0
ZP70KWE PFJ	6.0	16,852	57,500	5,850	30.1	2.88	9.8	67.2	1.66	45.4	176.0	75.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/W/h)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP14K5E PFV	1.2	4,293	14,650	1,580	7.0	2.72	9.3	14.3	0.74	22.2	46.0	66.0
ZP14K6E PFV	1.2	4,308	14,700	1,505	6.7	2.86	9.8	14.4	0.62	20.0	47.5	66.0
ZP14KAE PFV	1.2	4,088	13,950	1,465	6.5	2.79	9.5	13.9	0.62	20.0	46.0	66.0
ZP14KBE PFV	1.2	5,656	19,300	944	4.2	5.99	20.5	13.9	0.62	20.0	46.0	66.0
ZP15K6E PFV	1.3	4,337	14,800	1,505	6.6	2.88	9.9	14.4	0.62	22.7	47.5	66.0
ZP16K3E PFV	1.3	4,543	15,500	1,850	7.8	2.46	8.4	15.2	1.12	26.8	51.0	68.0
ZP16K5E PFV	1.3	4,543	15,500	1,660	7.3	2.74	9.3	15.1	0.74	21.3	48.0	66.0
ZP16K6E PFV	1.3	4,631	15,800	1,565	6.9	2.96	10.1	14.9	0.62	20.9	56.3	66.0
ZP16KAE PFV	1.3	4,587	15,650	1,640	7.4	2.80	9.6	15.2	0.62	20.0	56.6	66.0
ZP16KBE PFV	1.3	6,272	21,400	1,050	4.7	5.97	20.4	15.2	0.62	20.0	56.6	66.0
ZP19K6E PFV	1.6	5,568	19,000	1,905	8.4	2.92	10.0	18.2	0.62	20.0	62.9	66.0
ZP20K3E PFV	1.6	5,949	20,300	2,230	9.5	2.67	9.1	18.8	1.12	30.4	60.0	68.0
ZP20K5E PFV	1.6	5,861	20,000	2,040	9.1	2.87	9.8	19.3	0.74	21.3	58.3	66.0
ZP20K6E PFV	1.6	5,847	19,950	1,995	8.8	2.93	10.0	19.0	0.62	20.0	62.9	66.0
ZP20KAE PFV	1.6	5,861	20,000	2,080	9.3	2.82	9.6	19.5	0.62	20.0	60.8	66.0
ZP20KBE PFV	1.6	8,030	27,400	1,315	5.9	6.11	20.9	19.5	0.62	20.0	60.8	66.0
ZP20KEE PFV	1.6	8,001	27,300	1,290	5.8	6.20	21.2	19.3	0.74	22.7	51.9	66.0
ZP20KKE PFV	1.6	7,942	27,100	1,240	5.5	6.41	21.8	19.0	0.62	20.0	68.0	66.0
ZP20KSE PFV	1.6	5,861	20,000	2,040	9.1	2.87	9.8	19.3	0.74	21.3	58.3	66.0
ZP20KVE PFV	1.6	5,832	19,900	1,980	8.7	2.95	10.1	19.0	0.62	20.0	61.0	66.0
ZP21K5E PFV	1.8	6,242	21,300	2,170	9.5	2.88	9.8	20.3	0.74	21.3	58.3	66.0
ZP21K6E PFV	1.8	6,213	21,200	2,100	9.2	2.96	10.2	20.3	0.62	20.0	61.6	66.0
ZP22K6E PFV	1.8	6,448	22,000	2,160	9.6	2.98	10.2	20.6	0.74	22.7	61.5	66.0
ZP22KCE PFV	1.8	6,448	22,000	2,360	10.3	2.73	9.3	21.8	1.12	28.6	61.0	68.0
ZP22KME PFV	1.8	6,448	22,000	2,140	9.4	3.01	10.3	20.6	0.77	20.0	82.0	66.0
ZP23K3E PFV	1.9	6,887	23,500	2,400	11.0	2.87	9.8	23.3	1.12	28.6	61.0	68.0
ZP23K6E PFV	1.9	7,004	23,900	2,360	10.4	2.97	10.1	22.5	0.74	21.8	64.3	66.0
ZP24K5E PFV	2.0	7,034	24,000	2,400	10.6	2.93	10.0	22.8	0.74	21.8	64.0	66.0
ZP24K6E PFV	2.0	7,004	23,900	2,350	10.3	2.98	10.2	22.5	0.74	21.8	67.8	66.0
ZP24KSE PFV	2.0	7,034	24,000	2,400	10.6	2.93	10.0	22.8	0.74	21.8	64.0	66.0
ZP25K5E PFV	2.0	7,385	25,200	2,520	11.1	2.93	10.0	23.9	0.74	21.8	73.0	66.0
ZP25K6E PFV	2.0	7,415	25,300	2,420	10.8	3.06	10.5	23.6	0.74	21.8	72.5	66.0
ZP25KEE PFV	2.0	9,935	33,900	1,565	7.2	6.35	21.7	23.6	0.74	22.7	78.5	66.0
ZP25KME PFV	2.0	7,327	25,000	2,380	10.9	3.08	10.5	23.3	0.77	20.0	82.0	66.0
ZP26K3E PFV	2.0	7,532	25,700	2,620	12.0	2.87	9.8	25.2	1.12	0.0	72.5	68.0
ZP26K6E PFV	2.0	7,356	25,100	2,470	10.9	2.98	10.2	23.6	0.74	21.8	68.0	66.0
ZP26KCE PFV	2.0	7,532	25,700	2,730	12.5	2.76	9.4	25.2	1.12	29.0	73.0	68.0
ZP27K6E PFV	2.0	7,913	27,000	2,580	11.6	3.07	10.5	25.1	0.74	22.7	72.2	66.0
ZP27KME PFV	2.0	7,913	27,000	2,570	11.6	3.08	10.5	25.7	0.77	20.0	80.0	66.0
ZP28K5E PFV	2.5	8,177	27,900	2,760	12.2	2.96	10.1	26.7	0.74	22.2	77.0	68.0
ZP28K6E PFV	2.5	8,616	29,400	2,790	12.3	3.09	10.6	27.2	0.74	22.2	82.6	68.0
ZP29K5E PFV	2.5	8,499	29,000	2,870	12.7	2.96	10.1	27.5	0.74	22.2	77.0	68.0
ZP29K6E PFV	2.5	8,616	29,400	2,790	12.3	3.09	10.6	27.2	0.74	22.2	72.2	68.0
ZP29KSE PFV	2.5	8,499	29,000	2,870	12.7	2.96	10.1	27.5	0.74	22.2	77.0	68.0
ZP31K5E PFV	2.5	9,115	31,100	3,070	13.5	2.97	10.1	29.5	0.74	22.2	79.0	68.0
ZP31K6E PFV	2.5	9,173	31,300	2,980	13.1	3.08	10.5	29.3	0.74	22.2	83.9	68.0

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP31KEE PFV	2.5	12,338	42,100	1,950	8.8	6.33	21.6	29.3	0.74	22.7	88.5	68.0
ZP31KSE PFV	2.5	9,115	31,100	3,070	13.5	2.97	10.1	29.5	0.74	22.2	79.0	68.0
ZP32K3E PFV	2.5	9,173	31,300	3,130	14.5	2.93	10.0	30.6	1.24	30.6	83.0	70.0
ZP32KCE PFV	2.5	9,320	31,800	3,350	15.7	2.78	9.5	30.6	1.24	30.6	100.0	70.0
ZP34K5E PFV	3.0	10,111	34,500	3,380	15.6	2.99	10.2	32.8	1.24	32.2	112.0	68.0
ZP34K6E PFV	3.0	10,140	34,600	3,240	14.4	3.13	10.7	32.0	1.24	33.6	109.0	68.0
ZP34KFE PFV	3.0	10,111	34,500	3,440	15.7	2.94	10.0	32.8	1.24	32.2	118.3	68.0
ZP34KSE PFV	3.0	10,111	34,500	3,380	15.6	2.99	10.2	32.8	1.24	32.2	112.0	68.0
ZP36K3E PFV	3.0	10,609	36,200	3,620	16.6	2.93	10.0	34.9	1.24	31.3	105.0	70.0
ZP36K5E PFV	3.0	10,551	36,000	3,540	16.4	2.98	10.2	34.4	1.24	32.2	112.0	68.0
ZP36K6E PFV	3.0	10,551	36,000	3,370	15.1	3.13	10.7	33.3	1.24	32.2	123.9	68.0
ZP36KSE PFV	3.0	10,551	36,000	3,540	16.4	2.98	10.2	34.4	1.24	32.2	112.0	68.0
ZP36KUE PFV	3.0	10,697	36,500	3,440	15.2	3.11	10.6	34.4	1.24	30.4	112.0	68.0
ZP38K3E PFV	3.0	11,078	37,800	3,780	17.3	2.93	10.0	36.1	1.24	30.6	104.0	70.0
ZP38K5E PFV	3.0	10,990	37,500	3,700	17.0	2.97	10.1	35.7	1.24	32.7	109.0	68.0
ZP38K6E PFV	3.0	10,990	37,500	3,520	15.8	3.12	10.7	34.7	1.24	31.8	123.9	68.0
ZP38KCE PFV	3.0	11,137	38,000	3,880	19.7	2.87	9.8	36.1	1.24	30.6	131.0	70.0
ZP39K5E PFV	3.5	11,430	39,000	3,790	17.5	3.02	10.3	36.9	1.24	32.7	109.0	68.0
ZP39KUE PFV	3.5	11,606	39,600	3,700	16.3	3.14	10.7	36.9	1.24	30.4	112.0	68.0
ZP40K6E PFV	3.5	11,723	40,000	3,740	17.4	3.13	10.7	36.7	1.24	32.2	124.0	68.0
ZP41K3E PFV	3.5	12,016	41,000	4,020	18.3	2.99	10.2	39.3	1.24	32.2	109.0	70.0
ZP42K5E PFV	3.5	12,309	42,000	4,070	18.4	3.02	10.3	39.8	1.24	32.7	117.0	68.0
ZP42K6E PFV	3.5	12,456	42,500	4,000	17.7	3.11	10.6	39.2	1.24	32.7	130.0	68.0
ZP42KSE PFV	3.5	12,309	42,000	4,070	18.4	3.02	10.3	39.8	1.24	32.7	117.0	68.0
ZP44K3E PFV	3.5	12,983	44,300	4,300	19.3	3.02	10.3	42.0	1.24	32.2	134.0	70.0
ZP44K5E PFV	3.5	13,012	44,400	4,270	19.3	3.05	10.4	42.0	1.24	33.1	135.0	68.0
ZP44KCE PFV	3.5	12,837	43,800	4,380	21.1	2.93	10.0	42.0	1.24	32.2	131.0	70.0
ZP44KSE PFV	3.5	13,012	44,400	4,270	19.3	3.05	10.4	42.0	1.24	33.1	135.0	68.0
ZP44KUE PFV	3.5	13,218	45,100	4,160	18.6	3.18	10.8	42.0	1.24	30.4	128.0	68.0
ZP49K5E PFV	4.0	14,478	49,400	4,690	21.2	3.09	10.6	46.4	1.24	34.0	134.0	68.0
ZP49K6E PFV	4.0	14,478	49,400	4,600	20.6	3.15	10.8	45.4	1.24	33.6	152.5	68.0
ZP49KSE PFV	4.0	14,478	49,400	4,690	21.2	3.09	10.6	46.4	1.24	34.0	134.0	68.0
ZP49KUE PFV	4.0	14,507	49,500	4,600	21.2	3.15	10.8	46.0	1.24	30.4	138.0	71.0
ZP50K3E PFV	4.0	14,800	50,500	4,950	22.0	2.99	10.2	48.2	1.66	44.0	145.0	72.0
ZP51K5E PFV	4.0	14,947	51,000	4,860	21.8	3.08	10.5	48.2	1.24	34.0	134.0	68.0
ZP51K6E PFV	4.0	14,947	51,000	4,790	21.5	3.12	10.7	47.5	1.24	34.0	144.2	68.0
ZP51KSE PFV	4.0	14,947	51,000	4,860	21.8	3.08	10.5	48.2	1.24	35.4	134.0	68.0
ZP51KUE PFV	4.0	14,947	51,000	4,720	21.6	3.17	10.8	48.2	1.24	30.4	138.0	71.0
ZP54K3E PFV	4.5	15,972	54,500	5,300	23.6	3.01	10.3	51.3	1.66	44.0	158.0	72.0
ZP54K5E PFV	4.5	15,826	54,000	5,150	22.5	3.07	10.5	51.1	1.24	34.0	134.0	68.0
ZP54K6E PFV	4.5	16,090	54,900	5,200	24.3	3.09	10.6	50.6	1.24	34.0	166.0	68.0
ZP57K3E PFV	4.5	16,705	57,000	5,650	24.7	2.96	10.1	54.2	1.66	44.5	158.0	74.0
ZP57K5E PFV	4.5	16,705	57,000	5,460	25.6	3.06	10.4	53.4	1.24	34.0	178.0	68.0
ZP57KSE PFV	4.5	16,852	57,500	5,550	25.6	3.04	10.4	53.4	1.24	34.0	178.0	71.0
ZP61K5E PFV	5.0	18,024	61,500	5,860	27.2	3.08	10.5	57.2	1.24	34.9	178.0	68.0
ZP67KCE PFV	5.5	19,782	67,500	6,300	28.5	3.14	10.7	62.9	1.66	44.0	185.0	74.0

208-230V; 60 Hz, 1 Phase

R410A

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP70KWE PFV	6.0	20,222	69,000	7,000	32.5	2.89	9.9	67.2	1.66	45.4	148.0	74.0
ZP72KCE PFV	6.0	21,101	72,000	6,850	30.9	3.08	10.5	67.2	1.66	45.4	185.0	74.0
ZP72KWE PFV	6.0	21,101	72,000	6,850	30.9	3.08	10.5	67.2	1.66	45.4	185.0	74.0
ZP83KWE PFV	7.0	24,178	82,500	7,800	35.3	3.10	10.6	79.6	1.77	45.4	185.0	74.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380-420V; 50 Hz, 3 Phase

R410A

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP103KCE TFD	8.5	25,204	86,000	7,800	14.4	3.23	11.0	96.4	3.25	61.2	111.0	74.0
ZP103KFE TFD	8.5	25,116	85,700	7,940	14.7	3.16	10.8	96.4	3.25	60.8	127.0	74.0
ZP103KQE TFD	8.5	25,204	86,000	7,800	13.7	3.23	11.0	96.4	3.37	61.2	111.0	74.0
ZP104K2E TFD	9.0	25,644	87,500	7,970	14.3	3.22	11.0	96.4	2.51	47.6	120.0	74.0
ZP104KCE TFD	9.0	25,644	87,500	7,840	14.3	3.27	11.2	96.4	2.51	47.6	128.0	73.0
					14.5	3.27	11.2	96.4	2.51	47.6	128.0	73.0
ZP120KCE TFD	10.0	29,307	100,000	9,110	16.6	3.22	11.0	113.6	3.25	61.2	118.0	76.0
ZP120KFE TFD	10.0	29,307	100,000	9,340	17.6	3.14	10.8	113.6	3.25	62.6	153.0	74.0
ZP120KQE TFD	10.0	29,307	100,000	9,110	16.6	3.22	11.0	113.6	3.37	61.2	118.0	74.0
ZP122KCE TFD	10.0	29,893	102,000	9,160	16.6	3.26	11.2	112.3	2.51	48.5	139.0	73.0
					17.0	3.26	11.2	112.3	2.51	48.5	139.0	73.0
ZP122KFE TFM	10.0	29,600	101,000	9,340	17.5	3.17	10.8	112.3	2.51	48.5	134.0	74.0
ZP137KCE TFD	11.5	32,531	111,000	10,200	18.3	3.19	10.9	127.2	3.25	62.1	118.0	77.0
ZP137KPE TFD	11.5	33,058	112,800	10,600	18.0	3.12	10.6	127.2	3.25	62.6	118.0	77.0
ZP137KQE TFD	11.5	32,531	111,000	10,200	17.8	3.19	10.9	127.2	3.37	62.1	118.0	75.0
ZP137KZE TFD	11.5	39,565	135,000	9,080	16.1	4.36	14.9	127.2	3.58	65.8	147.0	77.0
		39,711	135,500	9,170	16.2	4.33	14.8	127.2	3.58	65.8	147.0	77.0
ZP143KCE TFD	12.0	35,462	121,000	10,800	19.4	3.28	11.2	132.7	2.75	49.0	146.0	72.0
					20.0	3.28	11.2	132.7	2.75	49.0	146.0	72.0
ZP143KCE TFM	12.0	35,462	121,000	10,700	18.7	3.31	11.3	132.7	2.75	49.0	124.3	72.0
ZP144KCE TFD	12.0	35,462	121,000	10,800	19.1	3.28	11.2	134.7	3.25	60.8	144.0	75.0
ZP144KFE TFD	12.0	35,462	121,000	11,100	19.8	3.19	10.9	134.7	3.25	60.8	153.0	75.0
ZP154KCE TED	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.37	64.9	140.0	77.0
ZP154KCE TFD	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.25	64.9	140.0	76.0
ZP154KCE TWD	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.25	64.9	140.0	77.0
ZP154KCE TWM	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.25	64.9	140.0	77.0
ZP154KFE TFD	13.0	36,927	126,000	11,900	21.3	3.10	10.6	142.9	3.25	64.9	152.0	76.0
ZP154KPE TFD	13.0	36,927	126,000	11,800	21.1	3.13	10.7	142.9	3.37	64.9	140.0	76.0
ZP154KQE TFD	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.37	64.9	140.0	76.0
ZP154KZE TFD	13.0	45,133	154,000	10,200	16.7	4.42	15.1	142.9	3.58	67.1	141.0	76.0
ZP182KCE TED	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.37	66.2	173.0	79.0
ZP182KCE TFD	15.0	43,961	150,000	13,500	26.3	3.26	11.1	167.1	3.25	66.2	174.0	79.0
ZP182KCE TWD	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.25	66.2	173.0	79.0
ZP182KCE TWM	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.25	66.2	173.0	79.0

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP182KPE TFD	15.0	43,375	148,000	13,900	24.6	3.12	10.6	167.1	3.37	66.2	174.0	79.0
ZP182KQE TFD	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.37	66.2	174.0	77.0
ZP182KZE TFD	15.0	53,339	182,000	12,100	21.2	4.41	15.1	167.1	3.58	67.1	186.0	79.0
ZP20K3E TFD	1.6	4,865	16,600	1,880	3.3	2.59	8.8	18.8	1.12	25.9	24.0	65.0
ZP20K5E TFD	1.6	4,777	16,300	1,765	3.1	2.71	9.2	19.3	0.74	21.3	27.0	66.0
ZP21K5E TFD	1.8	4,982	17,000	1,845	3.2	2.70	9.2	20.3	0.74	21.3	27.0	66.0
ZP232KCE TED	20.0	56,709	193,500	16,850	29.1	3.37	11.5	210.2	4.44	91.6	219.0	82.0
					29.2	3.37	11.5	210.2	4.44	91.6	219.0	82.0
ZP232KZE TED	20.0	56,709	193,500	16,850	29.1	3.37	11.5	210.2	4.44	91.6	240.8	82.0
					29.5	3.37	11.5	210.2	4.44	91.6	240.8	82.0
				17,600	28.7	3.22	11.0	210.2	4.44	91.6	240.8	82.0
ZP235KCE TED	20.0	57,149	195,000	17,600	30.0	3.25	11.1	217.1	4.67	140.6	225.0	82.0
ZP235KCE TWD	20.0	57,149	195,000	17,600	30.0	3.25	11.1	217.1	4.67	140.6	225.0	82.0
ZP236KCE TED	20.0	57,442	196,000	17,700	30.0	3.25	11.1	217.1	4.50	127.0	229.0	82.0
ZP23K3E TFD	1.9	5,568	19,000	2,130	3.7	2.61	8.9	23.3	1.12	27.2	26.0	65.0
ZP24K5E TFD	2.0	5,686	19,400	2,020	3.6	2.81	9.6	22.8	0.74	21.3	28.0	66.0
ZP24K6E TFD	2.0	5,730	19,550	1,975	3.8	2.90	9.9	22.5	0.74	21.8	38.0	66.0
ZP24KSE TFM	2.0	5,671	19,350	2,000	3.6	2.84	9.7	22.8	0.74	21.3	28.0	66.0
ZP25K5E TFD	2.0	5,979	20,400	2,120	3.8	2.82	9.6	23.9	0.74	20.9	28.0	66.0
ZP25K6E TFD	2.0	6,008	20,500	2,050	3.7	2.93	10.0	22.8	0.74	21.8	38.0	66.0
ZP25KSE TFM	2.0	5,979	20,400	2,120	3.8	2.82	9.6	23.9	0.74	21.3	28.0	66.0
ZP26K3E TFD	2.0	6,184	21,100	2,270	4.1	2.72	9.3	25.2	1.12	27.2	32.0	65.0
ZP285KCE TED	24.0	67,406	230,000	20,300	35.1	3.32	11.3	253.2	6.30	177.4	250.0	85.0
ZP285KCE TWD	24.0	67,406	230,000	20,300	35.1	3.32	11.3	253.2	6.30	177.4	250.0	85.0
ZP28K5E TFD	2.5	6,594	22,500	2,280	4.2	2.89	9.9	26.7	0.74	21.8	38.0	66.0
ZP292KCE TED	25.0	71,509	244,000	21,200	36.8	3.37	11.5	262.8	4.44	91.6	287.5	82.0
					37.7	3.37	11.5	262.8	4.44	91.6	287.5	82.0
ZP292KZE TED	25.0	70,630	241,000	21,700	37.4	3.25	11.1	262.8	4.44	91.6	287.5	82.0
		71,509	244,000	21,200	36.8	3.37	11.5	262.8	4.44	91.6	287.5	82.0
					37.7	3.37	11.5	262.8	4.44	91.6	287.5	82.0
ZP295KCE TED	25.0	71,509	244,000	22,000	37.2	3.25	11.1	268.4	6.80	160.1	272.0	90.0
ZP295KCE TWD	25.0	71,509	244,000	22,000	37.2	3.25	11.1	268.4	6.80	160.1	272.0	85.0
ZP296KCE TED	25.0	71,216	243,000	22,000	37.3	3.24	11.1	267.3	4.50	132.4	320.0	85.0
ZP296KWE TED	25.0	76,785	262,000	14,700	25.2	5.22	17.8	267.3	4.50	134.3	263.0	90.0
		77,371	264,000	14,800	25.2	5.23	17.9	267.3	4.50	134.3	263.0	90.0
ZP29K5E TFD	2.5	6,799	23,200	2,420	4.4	2.81	9.6	27.5	0.74	21.8	38.0	66.0
ZP29K6E TFD	2.5	7,004	23,900	2,360	4.3	2.97	10.1	27.5	0.74	21.8	38.0	68.0
ZP29KSE TFM	2.5	7,004	23,900	2,380	4.3	2.94	10.0	27.5	0.74	22.2	38.0	66.0
ZP31K5E TFD	2.5	7,327	25,000	2,580	4.6	2.84	9.7	29.5	0.74	21.8	38.0	66.0
ZP31K6E TFD	2.5	7,415	25,300	2,530	4.3	2.93	10.0	29.3	0.74	21.8	38.0	68.0
ZP31KSE TFD	2.5	7,327	25,000	2,580	4.6	2.84	9.7	29.5	0.74	22.2	38.0	66.0
ZP31KSE TFM	2.5	7,327	25,000	2,580	4.6	2.84	9.7	29.5	0.74	22.2	38.0	66.0
ZP32K3E TFD	2.5	7,385	25,200	2,680	4.7	2.76	9.4	30.6	1.24	28.1	35.0	67.0
ZP34K5E TFD	3.0	8,206	28,000	2,830	5.2	2.90	9.9	32.8	1.24	28.6	46.0	68.0
ZP34K6E TFD	3.0	8,206	28,000	2,750	4.6	2.98	10.2	32.8	1.24	32.2	36.0	68.0
ZP34KSE TFM	3.0	8,206	28,000	2,830	5.2	2.90	9.9	32.8	1.24	29.0	46.0	68.0

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP34KUE TFM	3.0	8,118	27,700	2,670	5.0	3.04	10.4	31.5	1.24	30.4	55.0	71.0
ZP36K3E TFD	3.0	8,646	29,500	3,110	5.4	2.78	9.5	34.9	1.24	29.9	40.0	67.0
ZP36K5E TFD	3.0	8,587	29,300	2,940	5.4	2.92	10.0	34.4	1.24	29.0	46.0	68.0
ZP36K6E TFD	3.0	8,734	29,800	2,970	5.0	2.94	10.0	34.4	1.24	29.0	46.0	68.0
ZP36KSE TFD	3.0	8,587	29,300	2,940	5.4	2.92	10.0	34.4	1.24	29.0	46.0	68.0
ZP36KSE TFM	3.0	8,587	29,300	2,940	5.4	2.92	10.0	34.4	1.24	29.0	46.0	68.0
ZP36KUE TFM	3.0	8,792	30,000	2,860	5.3	3.07	10.5	34.4	1.24	30.4	55.0	71.0
ZP385KCE TED	30.0	92,610	316,000	28,500	48.1	3.25	11.1	349.4	6.30	176.9	310.0	85.0
ZP385KCE TWD	30.0	92,610	316,000	28,500	48.1	3.25	11.1	349.4	6.30	176.9	310.0	85.0
ZP385KPE TWD	30.0	92,904	317,000	28,550	46.7	3.25	11.1	349.4	6.30	176.9	310.0	85.0
ZP385KWE TED	30.0	99,644	340,000	19,250	32.0	5.18	17.7	349.4	6.30	181.4	331.0	90.0
		99,937	341,000	19,500	33.2	5.12	17.5	349.4	6.30	181.4	331.0	91.0
ZP38K3E TFD	3.0	9,027	30,800	3,120	5.5	2.89	9.9	36.1	1.24	29.9	48.0	70.0
ZP38K5E TFD	3.0	8,880	30,300	3,060	5.2	2.90	9.9	35.7	1.24	30.4	43.0	68.0
ZP38K6E TFD	3.0	8,997	30,700	3,030	5.2	2.97	10.2	35.7	1.24	30.4	43.0	68.0
ZP38KSE TFM	3.0	8,880	30,300	3,060	5.2	2.90	9.9	35.7	1.24	30.8	43.0	68.0
ZP39K5E TFD	3.5	9,261	31,600	3,150	5.3	2.94	10.0	36.9	1.24	30.4	43.0	68.0
ZP39KHE TFM	3.5	9,261	31,600	3,150	5.3	2.94	10.0	36.9	1.24	30.4	43.0	68.0
ZP39KSE TFD	3.5	9,261	31,600	3,150	5.3	2.94	10.0	36.9	1.24	30.4	43.0	68.0
ZP39KSE TFM	3.5	9,261	31,600	3,150	5.3	2.94	10.0	36.9	1.24	30.8	43.0	68.0
ZP39KUE TFM	3.5	8,792	30,000	2,860	5.3	3.07	10.5	36.9	1.24	30.4	55.0	71.0
		9,496	32,400	3,080	5.6	3.08	10.5	36.9	1.24	30.4	55.0	71.0
ZP40K6E TFD	3.5	9,437	32,200	3,220	5.4	2.93	10.0	37.4	1.24	30.4	43.0	68.0
ZP41K3E TFD	3.5	9,818	33,500	3,380	6.0	2.90	9.9	39.3	1.24	29.5	48.0	67.0
ZP42K5E TFD	3.5	10,023	34,200	3,380	5.7	2.97	10.1	39.8	1.24	30.4	43.0	68.0
ZP42K6E TFD	3.5	10,170	34,700	3,340	5.6	3.04	10.4	39.8	1.24	30.4	43.0	68.0
ZP42KSE TFD	3.5	10,023	34,200	3,380	5.7	2.97	10.1	39.8	1.24	30.4	43.0	68.0
ZP42KSE TFM	3.5	10,052	34,300	3,310	5.6	3.04	10.4	39.8	1.24	30.8	43.0	68.0
ZP42KUE TFM	3.5	10,257	35,000	3,300	5.9	3.11	10.6	39.8	1.24	30.4	55.0	71.0
ZP44K3E TFD	3.5	10,463	35,700	3,800	6.3	2.75	9.4	42.0	1.24	29.5	48.0	70.0
ZP44K5E TFD	3.5	10,697	36,500	3,540	6.1	3.02	10.3	42.0	1.24	30.8	52.0	68.0
ZP44KSE TFD	3.5	10,697	36,500	3,540	6.1	3.02	10.3	42.0	1.24	30.8	52.0	68.0
ZP44KSE TFM	3.5	10,697	36,500	3,540	6.1	3.02	10.3	42.0	1.24	30.4	52.0	68.0
ZP44KUE TFM	3.5	10,844	37,000	3,520	6.2	3.08	10.5	42.0	1.24	30.4	55.0	71.0
ZP485KCE TED	40.0	118,401	404,000	35,700	60.0	3.32	11.3	444.4	6.30	190.1	408.0	89.0
ZP485KCE TWD	40.0	118,401	404,000	35,700	60.0	3.32	11.3	444.4	6.30	190.1	408.0	89.0
ZP485KPE TWD	40.0	117,727	401,700	36,590	59.8	3.22	10.9	444.4	6.30	200.0	408.0	89.0
ZP485KWE TED	40.0	127,193	434,000	24,600	40.3	5.17	17.6	444.4	6.30	192.8	464.0	89.0
ZP49K5E TFD	4.0	11,928	40,700	3,870	6.5	3.08	10.6	46.4	1.24	32.7	51.5	68.0
ZP49K6E TFD	4.0	12,016	41,000	3,860	6.5	3.11	10.6	46.4	1.24	32.7	51.5	68.0
ZP49KHE TFM	4.0	11,928	40,700	3,870	6.5	3.08	10.6	46.4	1.24	32.7	51.5	68.0
ZP49KSE TFD	4.0	11,928	40,700	3,870	6.5	3.08	10.6	46.4	1.24	32.7	51.5	68.0
ZP49KSE TFM	4.0	11,928	40,700	3,870	6.5	3.08	10.6	46.4	1.24	32.7	51.5	68.0
ZP49KUE TFM	4.0	11,957	40,800	3,810	7.5	3.14	10.7	46.0	1.24	29.9	72.0	71.0
ZP50K3E TFD	4.0	12,397	42,300	4,100	7.3	3.02	10.3	48.2	1.95	39.5	64.0	69.0
ZP51K5E TFD	4.0	12,778	43,600	4,040	6.8	3.16	10.8	48.2	1.24	32.2	51.5	71.0

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)	
		(W)	(Btu/h)										
ZP51K6E	TFD	4.0	12,397	42,300	4,040	7.1	3.07	10.5	48.2	1.24	32.2	51.5	68.0
ZP51KHE	TFM	4.0	12,075	41,200	4,000	7.0	3.02	10.3	48.2	1.24	32.2	51.5	68.0
ZP51KSE	TFD	4.0	12,075	41,200	4,000	7.0	3.02	10.3	48.2	1.24	32.2	51.5	68.0
ZP51KSE	TFM	4.0	12,162	41,500	4,040	6.8	3.01	10.3	48.2	1.24	32.7	51.5	68.0
ZP51KUE	TFD	4.0	12,456	42,500	3,970	7.5	3.14	10.7	47.0	1.24	30.4	64.0	69.0
ZP51KUE	TFM	4.0	12,456	42,500	3,970	7.5	3.14	10.7	47.0	1.24	29.9	72.0	69.0
ZP54K3E	TFD	4.5	13,188	45,000	4,460	7.7	2.96	10.1	51.3	1.95	38.1	64.0	69.0
ZP54K5E	TFD	4.5	12,895	44,000	4,280	7.0	3.01	10.3	51.1	1.24	32.2	51.5	68.0
ZP54K6E	TFD	4.5	12,690	43,300	4,260	6.9	2.98	10.2	51.1	1.24	32.2	51.5	68.0
ZP54KSE	TFD	4.5	12,895	44,000	4,280	7.0	3.01	10.3	51.1	1.24	32.7	51.5	68.0
ZP54KSE	TFM	4.5	12,924	44,100	4,210	7.1	3.07	10.5	51.1	1.24	32.7	51.5	70.0
ZP54KUE	TFD	4.5	13,188	45,000	4,240	7.9	3.11	10.6	49.8	1.24	30.4	64.0	71.0
ZP54KUE	TFM	4.5	13,188	45,000	4,240	7.9	3.11	10.6	49.8	1.24	30.4	72.0	71.0
ZP57K3E	TFD	4.5	13,921	47,500	4,610	8.1	3.02	10.3	54.2	1.66	41.7	74.0	71.0
ZP57K5E	TFD	4.5	13,774	47,000	4,390	7.5	3.14	10.7	53.4	1.24	34.0	67.1	68.0
ZP57KHE	TFM	4.5	13,774	47,000	4,390	7.5	3.14	10.7	53.4	1.24	34.0	67.1	71.0
ZP57KUE	TFM	4.5	15,386	52,500	3,860	7.8	3.99	13.6	53.1	1.24	30.4	73.5	71.0
ZP61K5E	TFD	5.0	15,035	51,300	4,980	8.2	3.02	10.3	57.2	1.24	34.9	67.1	68.0
ZP61KCE	TFD	5.0	14,654	50,000	4,750	8.3	3.08	10.6	58.2	1.66	39.9	64.0	71.0
ZP61KUE	TFM	5.0	16,559	56,500	4,150	8.5	3.99	13.6	57.2	1.24	30.4	76.0	71.0
ZP67KCE	TFD	5.5	16,119	55,000	5,200	9.1	3.10	10.6	62.9	1.77	39.9	74.0	72.0
ZP725KCE	FED	60.0	179,359	612,000	55,600	95.0	3.23	11.0	663.7	6.30	259.9	666.0	N/A
ZP725KCE	FWM	60.0	179,359	612,000	55,600	95.0	3.23	11.0	663.7	6.30	259.9	666.0	N/A
ZP72KCE	TFD	6.0	17,145	58,500	5,700	9.8	3.01	10.3	67.2	1.77	39.9	75.0	72.0
ZP72KTE	TFD	6.0	17,145	58,500	5,700	9.8	3.01	10.3	67.2	1.69	39.9	75.0	72.0
ZP76KCE	TFD	6.0	18,376	62,700	5,850	11.0	3.14	10.7	70.8	1.77	39.5	100.0	72.0
ZP83KCE	TFD	7.0	19,929	68,000	6,400	11.7	3.11	10.6	77.2	1.77	39.5	101.0	72.0
ZP83KFE	TFD	7.0	19,929	68,000	6,600	12.1	3.02	10.3	77.2	1.77	39.5	92.0	72.0
ZP90KCE	TFD	7.5	21,834	74,500	6,950	12.3	3.14	10.7	84.2	2.51	57.6	95.0	72.0
ZP90KQE	TFD	7.5	21,834	74,500	6,950	12.3	3.14	10.7	2081.2	2.63	57.6	95.0	72.0
ZP91KCE	TFD	7.5	21,511	73,400	6,900	12.5	3.12	10.7	84.6	1.77	40.8	101.0	72.0
			21,687	74,000	6,790	12.4	3.19	10.9	84.6	1.77	40.8	101.0	72.0
ZP91KFE	TFD	7.5	21,687	74,000	7,000	12.4	3.10	10.6	84.6	1.77	40.8	92.0	N/A

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/W/h)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP103KCE TF5	8.5	30,772	105,000	9,550	28.6	3.22	11.0	96.4	3.25	60.8	225.0	77.0
ZP103KCE TFD	8.5	30,772	105,000	9,550	14.3	3.22	11.0	96.4	3.25	61.2	114.0	77.0
ZP103KFE TFD	8.5	30,626	104,500	9,720	14.7	3.15	10.8	96.4	3.25	60.8	126.0	77.0
ZP103KQE TFD	8.5	30,772	105,000	9,550	14.3	3.22	11.0	96.4	3.37	61.2	114.0	77.0
ZP104K2E TFD	9.0	31,066	106,000	9,630	14.5	3.23	11.0	96.4	2.51	47.6	120.0	77.0
ZP104KCE TF5	9.0	31,066	106,000	9,380	27.2	3.31	11.3	96.4	2.51	47.6	240.0	76.0
ZP104KCE TFD	9.0	31,066	106,000	9,380	14.4	3.31	11.3	96.4	2.51	47.6	130.0	76.0
ZP120KCE TF5	10.0	36,048	123,000	11,100	32.8	3.25	11.1	113.6	3.25	61.2	239.0	79.0
ZP120KCE TFD	10.0	36,048	123,000	11,100	16.4	3.25	11.1	113.6	3.25	61.2	125.0	79.0
ZP120KFE TFD	10.0	36,194	123,500	11,300	17.5	3.20	10.9	113.6	3.25	62.6	150.0	79.0
ZP120KQE TFD	10.0	36,048	123,000	11,100	16.4	3.25	11.1	113.6	3.37	61.2	125.0	79.0
ZP122KCE TF5	10.0	36,341	124,000	11,000	30.9	3.30	11.3	112.3	2.51	48.5	240.0	76.0
ZP122KCE TFD	10.0	36,341	124,000	11,000	16.9	3.30	11.3	112.3	2.51	48.5	140.0	76.0
ZP137KCE TF5	11.5	40,151	137,000	12,400	38.0	3.24	11.0	127.2	3.25	62.6	245.0	80.0
ZP137KCE TFD	11.5	39,565	135,000	12,300	18.0	3.22	11.0	127.2	3.25	62.1	125.0	80.0
ZP137KPE TFD	11.5	40,151	137,000	12,700	18.4	3.16	10.8	127.2	3.25	62.6	125.0	77.0
ZP137KQE TFD	11.5	39,565	135,000	12,300	18.0	3.22	11.0	127.2	3.37	62.1	125.0	80.0
ZP137KZE TF5	11.5	48,503	165,500	11,000	32.6	4.41	15.1	127.2	3.58	65.8	250.0	80.0
ZP137KZE TFD	11.5	48,503	165,500	11,000	16.3	4.41	15.1	127.2	3.58	65.8	147.0	80.0
ZP143KCE TFD	12.0	43,081	147,000	13,000	19.7	3.31	11.3	132.7	2.75	49.0	156.0	76.0
ZP144KCE TFD	12.0	43,081	147,000	13,000	19.3	3.31	11.3	134.7	3.25	60.8	137.0	80.0
ZP144KFE TFD	12.0	43,081	147,000	13,400	19.9	3.22	11.0	134.7	3.25	60.8	150.0	80.0
ZP154KCE TE5	13.0	45,426	155,000	14,000	42.8	3.24	11.1	142.9	3.37	66.2	300.0	80.0
ZP154KCE TED	13.0	45,426	155,000	14,000	21.0	3.24	11.1	142.9	3.37	64.9	150.0	80.0
ZP154KCE TFD	13.0	45,426	155,000	14,000	21.0	3.24	11.1	142.9	3.25	64.9	150.0	80.0
ZP154KCE TW5	13.0	45,426	155,000	14,000	42.8	3.24	11.1	142.9	3.25	66.2	300.0	80.0
ZP154KCE TWD	13.0	45,426	155,000	14,000	21.0	3.24	11.1	142.9	3.25	64.9	150.0	80.0
ZP154KFE TFD	13.0	45,133	154,000	14,400	21.6	3.13	10.7	142.9	3.25	64.9	160.0	80.0
ZP154KPE TFD	13.0	45,426	155,000	14,300	21.3	3.18	10.8	142.9	3.37	64.9	150.0	76.0
ZP154KQE TFD	13.0	45,426	155,000	14,000	21.0	3.24	11.1	142.9	3.37	64.9	150.0	80.0
ZP154KSE TW5	13.0	45,426	155,000	14,000	42.8	3.24	11.1	142.9	3.25	66.2	300.0	80.0
ZP154KZE TF5	13.0	54,365	185,500	12,250	36.4	4.44	15.2	142.9	3.58	67.1	300.0	0.0
ZP154KZE TFD	13.0	54,365	185,500	12,250	18.2	4.44	15.2	142.9	3.58	67.1	141.0	80.0
ZP180KCE TW7	15.0	52,753	180,000	16,100	27.8	3.28	11.2	164.4	4.14	106.6	239.0	83.0
ZP180KCE TWD	15.0	52,753	180,000	16,100	23.0	3.28	11.2	164.4	4.14	106.6	187.0	83.0
ZP181KCE TED	15.0	52,167	178,000	16,550	22.8	3.15	10.8	167.1	3.37	66.2	110.0	82.0
ZP181KCE TWD	15.0	52,167	178,000	16,550	22.8	3.15	10.8	167.1	3.25	66.2	110.0	82.0
ZP182KCE TE5	15.0	53,632	183,000	16,300	52.0	3.29	11.2	167.1	3.37	66.2	340.0	82.0
ZP182KCE TED	15.0	53,632	183,000	16,300	26.3	3.29	11.2	167.1	3.37	66.2	173.0	82.0
ZP182KCE TFD	15.0	53,632	183,000	16,300	26.3	3.29	11.2	167.1	3.25	66.2	179.0	82.0
ZP182KCE TW5	15.0	53,632	183,000	16,300	52.0	3.29	11.2	167.1	3.25	66.2	340.0	82.0
ZP182KCE TWD	15.0	53,632	183,000	16,300	26.3	3.29	11.2	167.1	3.25	66.2	173.0	82.0
ZP182KPE TFD	15.0	52,167	178,000	16,700	24.9	3.12	10.6	167.1	3.37	66.2	179.0	79.0
ZP182KQE TFD	15.0	53,632	183,000	16,300	26.3	3.29	11.2	167.1	3.37	66.2	179.0	80.0
ZP182KSE TW5	15.0	53,632	183,000	16,300	52.0	3.29	11.2	167.1	3.25	66.2	340.0	82.0
ZP182KZE TF5	15.0	64,183	219,000	14,500	46.2	4.43	15.1	167.1	3.58	67.1	386.3	82.0

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)	
		(W)	(Btu/h)										
ZP182KZE	TFD	15.0	64,183	219,000	14,500	23.1	4.43	15.1	167.1	3.58	67.1	182.0	82.0
ZP20K3E	TF5	1.6	5,920	20,200	2,220	6.6	2.67	9.1	18.8	1.12	25.9	55.0	68.0
ZP20K3E	TFD	1.6	5,979	20,400	2,210	3.2	2.71	9.3	18.8	1.12	25.9	22.4	68.0
ZP20K5E	TF5	1.6	5,861	20,000	2,060	6.2	2.85	9.7	19.3	0.74	21.3	55.4	69.0
ZP20K5E	TFD	1.6	5,861	20,000	2,040	3.1	2.87	9.8	19.3	0.74	21.3	28.0	69.0
ZP21K5E	TF5	1.8	6,154	21,000	2,140	6.3	2.88	9.8	20.3	0.74	21.3	55.4	69.0
ZP21K5E	TFD	1.8	6,242	21,300	2,170	3.2	2.88	9.8	20.3	0.74	21.3	28.0	69.0
ZP232KCE	TE5	20.0	67,992	232,000	20,200	57.8	3.37	11.5	210.2	4.44	91.6	500.6	85.0
ZP232KCE	TE7	20.0	67,992	232,000	20,200	35.2	3.37	11.5	210.2	4.44	91.6	289.7	85.0
ZP232KCE	TED	20.0	67,992	232,000	20,200	29.1	3.37	11.5	210.2	4.44	91.6	246.9	85.0
ZP232KZE	TE5	20.0	67,992	232,000	20,200	57.7	3.37	11.5	210.2	4.44	91.6	500.6	85.0
ZP232KZE	TE7	20.0	67,992	232,000	20,200	35.4	3.37	11.5	210.2	4.44	91.6	289.7	85.0
ZP232KZE	TED	20.0	68,579	234,000	21,000	29.4	3.27	11.2	210.2	4.44	91.6	246.9	82.0
ZP235KCE	TE5	20.0	68,872	235,000	21,100	64.3	3.26	11.1	217.1	4.67	140.6	505.0	87.0
ZP235KCE	TE7	20.0	68,872	235,000	21,100	37.0	3.26	11.1	217.1	4.67	140.6	290.0	87.0
ZP235KCE	TED	20.0	68,872	235,000	21,100	30.6	3.26	11.1	217.1	4.67	140.6	225.0	87.0
ZP235KCE	TW5	20.0	68,872	235,000	21,100	64.3	3.26	11.1	217.1	4.67	140.6	505.0	87.0
ZP235KCE	TW7	20.0	68,872	235,000	21,100	37.0	3.26	11.1	217.1	4.67	140.6	290.0	87.0
ZP235KCE	TWD	20.0	68,872	235,000	21,100	30.6	3.26	11.1	217.1	4.67	140.6	225.0	87.0
ZP236KCE	TE5	20.0	69,165	236,000	21,300	64.3	3.25	11.1	217.1	4.50	127.0	538.0	87.0
ZP236KCE	TED	20.0	69,751	238,000	21,500	30.7	3.24	11.1	217.1	4.50	127.0	229.0	87.0
ZP23K3E	TF5	1.9	6,858	23,400	2,460	7.4	2.79	9.5	23.3	1.12	28.6	63.0	68.0
ZP23K3E	TFD	1.9	6,858	23,400	2,460	3.6	2.79	9.5	23.3	1.12	27.2	27.0	68.0
ZP24K5E	TF5	2.0	7,034	24,000	2,420	7.3	2.91	9.9	22.8	0.74	20.9	58.0	69.0
ZP24K5E	TFD	2.0	7,034	24,000	2,420	3.7	2.91	9.9	22.8	0.74	21.3	28.0	69.0
ZP24K6E	TF5	2.0	7,004	23,900	2,340	7.0	2.99	10.2	22.5	0.74	21.8	58.0	69.0
ZP24K6E	TFD	2.0	7,004	23,900	2,340	3.4	2.99	10.2	22.5	0.74	21.8	38.0	69.0
ZP24K5E	TF5	2.0	7,034	24,000	2,420	7.3	2.91	9.9	22.8	0.74	21.3	58.0	69.0
ZP25K5E	TF5	2.0	7,385	25,200	2,520	7.4	2.93	10.0	23.9	0.74	21.3	58.0	69.0
ZP25K5E	TFD	2.0	7,385	25,200	2,520	3.8	2.93	10.0	23.9	0.74	20.9	28.0	69.0
ZP25K6E	TF5	2.0	7,356	25,100	2,430	7.2	3.03	10.3	23.6	0.74	21.8	58.0	69.0
ZP25K6E	TFD	2.0	7,356	25,100	2,430	3.8	3.03	10.3	22.8	0.74	21.8	38.0	69.0
ZP26K3E	TF5	2.0	7,473	25,500	2,630	8.0	2.84	9.7	25.2	1.12	27.2	63.0	68.0
ZP26K3E	TFD	2.0	7,532	25,700	2,650	4.0	2.84	9.7	25.2	1.12	27.2	31.0	68.0
ZP285KCE	TE5	24.0	81,474	278,000	24,800	72.2	3.29	11.2	253.2	6.30	176.9	500.0	89.0
ZP285KCE	TE7	24.0	81,474	278,000	24,800	43.7	3.29	11.2	253.2	6.30	177.4	305.0	89.0
ZP285KCE	TED	24.0	81,474	278,000	24,800	36.1	3.29	11.2	253.2	6.30	177.4	250.0	89.0
ZP285KCE	TW5	24.0	81,474	278,000	24,800	72.2	3.29	11.2	253.2	6.30	176.9	500.0	89.0
ZP285KCE	TW7	24.0	81,474	278,000	24,800	43.7	3.29	11.2	253.2	6.30	177.4	305.0	89.0
ZP285KCE	TWD	24.0	81,474	278,000	24,800	36.1	3.29	11.2	253.2	6.30	177.4	250.0	89.0
ZP28K5E	TF5	2.5	8,177	27,900	2,760	8.3	2.96	10.1	26.7	0.74	21.8	71.0	68.0
ZP28K5E	TFD	2.5	8,118	27,700	2,760	4.2	2.94	10.0	26.7	0.74	21.8	38.0	68.0
ZP292KCE	TE5	25.0	85,577	292,000	25,400	74.8	3.37	11.5	262.8	4.44	91.6	586.7	85.0
ZP292KCE	TE7	25.0	85,577	292,000	25,400	45.2	3.37	11.5	262.8	4.44	91.6	343.1	85.0
ZP292KCE	TED	25.0	85,577	292,000	25,400	37.3	3.37	11.5	262.8	4.44	91.6	280.7	85.0
ZP292KZE	TE5	25.0	85,577	292,000	25,400	74.8	3.37	11.5	262.8	4.44	91.6	586.7	85.0

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZP292KZE TE7	25.0	85,577	292,000	25,400	45.2	3.37	11.5	262.8	4.44	91.6	343.1	85.0
ZP292KZE TED	25.0	85,284	291,000	25,700	37.3	3.32	11.3	262.8	4.44	91.6	280.7	82.0
ZP295KCE TE7	25.0	86,163	294,000	26,600	46.4	3.24	11.1	268.4	6.80	160.1	353.0	90.0
ZP295KCE TED	25.0	86,163	294,000	26,600	38.4	3.24	11.1	268.4	6.80	160.1	272.0	90.0
ZP295KCE TW7	25.0	86,163	294,000	26,600	46.4	3.24	11.1	268.4	6.80	160.1	353.0	90.0
ZP295KCE TWD	25.0	86,163	294,000	26,600	38.4	3.24	11.1	268.4	6.80	160.1	272.0	90.0
ZP296KCE TE5	25.0	87,335	298,000	26,900	77.0	3.25	11.1	267.3	4.50	132.4	605.0	90.0
ZP296KCE TED	25.0	87,335	298,000	26,900	38.3	3.25	11.1	267.3	4.50	132.4	320.0	90.0
ZP296KWE TE5	25.0	93,783	320,000	18,100	51.9	5.18	17.7	267.3	4.50	134.3	533.0	90.0
ZP296KWE TED	25.0	93,783	320,000	18,100	25.8	5.18	17.7	267.3	4.50	134.3	263.0	90.0
ZP29K5E TF5	2.5	8,499	29,000	2,870	8.4	2.96	10.1	27.5	0.74	21.8	71.0	69.0
ZP29K5E TFD	2.5	8,499	29,000	2,870	4.3	2.96	10.1	27.5	0.74	21.8	38.0	69.0
ZP29K6E TF5	2.5	8,528	29,100	2,830	8.1	3.01	10.3	27.5	0.74	21.8	71.0	71.0
ZP29K6E TFD	2.5	8,675	29,600	2,800	4.2	3.10	10.6	27.5	0.74	21.8	38.0	71.0
ZP31K5E TF5	2.5	9,144	31,200	3,060	9.1	2.99	10.2	29.5	0.74	21.8	73.0	69.0
ZP31K5E TFD	2.5	9,144	31,200	3,060	4.6	2.99	10.2	29.5	0.74	21.8	38.0	69.0
ZP31K6E TF5	2.5	9,115	31,100	2,970	8.5	3.07	10.5	29.3	0.74	21.8	73.0	71.0
ZP31K6E TFD	2.5	9,115	31,100	2,970	4.3	3.07	10.5	29.3	0.74	21.8	38.0	71.0
ZP31KSE TF5	2.5	9,144	31,200	3,060	9.1	2.99	10.2	29.5	0.74	21.8	73.0	69.0
ZP31KSE TFD	2.5	9,144	31,200	3,060	4.6	2.99	10.2	29.5	0.74	22.2	38.0	69.0
ZP32K3E TF5	2.5	9,320	31,800	3,250	9.4	2.87	9.8	30.6	1.24	28.1	77.0	70.0
ZP32K3E TFD	2.5	8,939	30,500	3,110	4.7	2.87	9.8	30.6	1.24	28.1	35.0	70.0
ZP34K5E TF5	3.0	10,140	34,600	3,390	10.2	2.99	10.2	32.8	1.24	28.6	88.0	71.0
ZP34K5E TFD	3.0	10,140	34,600	3,390	5.2	2.99	10.2	32.8	1.24	28.6	44.0	71.0
ZP34K6E TF5	3.0	10,140	34,600	3,390	9.2	2.99	10.2	32.8	1.24	32.2	84.0	71.0
ZP34K6E TFD	3.0	10,140	34,600	3,400	4.7	2.98	10.2	32.8	1.24	32.2	44.0	71.0
ZP36K3E TF5	3.0	10,609	36,200	3,620	10.9	2.93	10.0	34.9	1.24	29.9	88.0	70.0
ZP36K3E TFD	3.0	10,433	35,600	3,520	5.3	2.96	10.1	34.9	1.24	29.9	39.0	70.0
ZP36K5E TF5	3.0	10,551	36,000	3,490	10.8	3.02	10.3	34.4	1.24	28.6	88.0	71.0
ZP36K5E TFD	3.0	10,551	36,000	3,490	5.2	3.02	10.3	34.4	1.24	29.0	44.0	71.0
					5.5	3.02	10.3	34.4	1.24	29.0	44.0	71.0
ZP36K6E TF5	3.0	10,756	36,700	3,560	10.1	3.02	10.3	34.4	1.24	28.6	88.0	71.0
ZP36K6E TFD	3.0	10,785	36,800	3,520	5.2	3.06	10.5	34.4	1.24	29.0	44.0	71.0
ZP36KSE TF5	3.0	10,551	36,000	3,490	10.8	3.02	10.3	34.4	1.24	28.6	88.0	71.0
ZP36KSE TFD	3.0	10,551	36,000	3,490	5.5	3.02	10.3	34.4	1.24	29.0	44.0	71.0
ZP36KUE TF5	3.0	10,697	36,500	3,380	11.6	3.16	10.8	34.4	1.24	30.4	130.6	71.0
ZP385KCE TE5	30.0	112,832	385,000	34,700	99.8	3.25	11.1	349.4	6.30	176.9	599.0	89.0
ZP385KCE TE7	30.0	112,832	385,000	34,700	60.4	3.25	11.1	349.4	6.30	176.9	358.0	89.0
ZP385KCE TED	30.0	112,832	385,000	34,700	49.9	3.25	11.1	349.4	6.30	176.9	310.0	89.0
ZP385KCE TW5	30.0	112,832	385,000	34,700	99.8	3.25	11.1	349.4	6.30	176.9	599.0	89.0
ZP385KCE TW7	30.0	112,832	385,000	34,700	60.4	3.25	11.1	349.4	6.30	176.9	358.0	89.0
ZP385KCE TWD	30.0	112,832	385,000	34,700	49.9	3.25	11.1	349.4	6.30	176.9	310.0	89.0
ZP385KPE TWD	30.0	110,781	378,000	34,800	48.6	3.18	10.9	349.4	6.30	176.9	310.0	85.0
ZP385KWE TE5	30.0	121,038	413,000	24,200	68.1	5.00	17.1	349.4	6.30	181.4	710.0	89.0
ZP385KWE TED	30.0	121,038	413,000	24,200	34.2	5.00	17.1	349.4	6.30	181.4	331.0	89.0
ZP38K3E TF5	3.0	11,019	37,600	3,760	10.8	2.93	10.0	36.1	1.24	29.9	88.0	70.0

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)	
		(W)	(Btu/h)										
ZP38K3E	TFD	3.0	11,019	37,600	3,760	5.4	2.93	10.0	36.1	1.24	29.9	46.0	70.0
ZP38K5E	TF5	3.0	11,137	38,000	3,600	10.3	3.09	10.6	35.7	1.24	30.4	83.1	71.0
ZP38K5E	TFD	3.0	11,166	38,100	3,630	5.2	3.08	10.5	35.7	1.24	30.4	41.0	68.0
ZP38K6E	TF5	3.0	11,137	38,000	3,610	10.4	3.08	10.6	35.7	1.24	30.4	83.1	71.0
ZP38K6E	TFD	3.0	11,166	38,100	3,620	5.2	3.08	10.5	35.7	1.24	30.4	41.0	71.0
ZP39K5E	TF5	3.5	11,430	39,000	3,750	10.5	3.05	10.4	36.9	1.24	30.4	83.1	71.0
ZP39K5E	TFD	3.5	11,430	39,000	3,750	5.2	3.05	10.4	36.9	1.24	30.4	41.0	71.0
ZP40K6E	TF5	3.5	11,459	39,100	3,760	10.7	3.05	10.4	37.4	1.24	30.4	83.1	71.0
ZP40K6E	TFD	3.5	11,488	39,200	3,750	5.4	3.06	10.5	37.4	1.24	30.4	41.0	71.0
ZP41K3E	TF5	3.5	12,075	41,200	4,000	12.0	3.02	10.3	39.3	1.24	29.5	91.0	70.0
ZP41K3E	TFD	3.5	11,928	40,700	3,950	6.0	3.02	10.3	39.3	1.24	29.5	46.0	70.0
ZP42K5E	TF5	3.5	12,368	42,200	4,020	11.3	3.08	10.5	39.8	1.24	30.4	83.1	71.0
ZP42K5E	TFD	3.5	12,280	41,900	4,060	5.5	3.02	10.3	39.8	1.24	30.4	41.0	71.0
ZP42K6E	TF5	3.5	12,397	42,300	4,030	11.4	3.08	10.5	39.8	1.24	30.4	83.1	71.0
ZP42K6E	TFD	3.5	12,368	42,200	4,020	5.6	3.08	10.5	39.8	1.24	30.4	41.0	71.0
ZP42KSE	TF5	3.5	12,368	42,200	4,020	11.3	3.08	10.5	39.8	1.24	30.4	83.1	71.0
ZP42KSE	TFD	3.5	12,280	41,900	4,060	5.5	3.02	10.3	39.8	1.24	30.4	41.0	71.0
ZP44K3E	TF5	3.5	12,983	44,300	4,230	12.4	3.07	10.5	42.0	1.24	29.5	91.0	70.0
ZP44K3E	TFD	3.5	12,983	44,300	4,230	6.2	3.07	10.5	42.0	1.24	29.5	46.0	70.0
ZP44K5E	TF5	3.5	13,042	44,500	4,220	12.2	3.09	10.6	42.0	1.24	30.8	98.0	71.0
ZP44K5E	TFD	3.5	13,042	44,500	4,220	6.2	3.09	10.6	42.0	1.24	30.8	55.0	71.0
ZP44KSE	TF5	3.5	13,042	44,500	4,220	12.2	3.09	10.6	42.0	1.24	30.8	98.0	71.0
ZP44KSE	TFD	3.5	13,042	44,500	4,220	6.2	3.09	10.6	42.0	1.24	30.8	55.0	71.0
ZP44KUE	TF5	3.5	13,276	45,300	4,190	13.0	3.17	10.8	42.0	1.24	30.4	130.6	71.0
ZP485KCE	DE5	40.0	142,139	485,000	43,600	125.0	3.26	11.1	444.4	6.30	190.1	943.0	93.0
ZP485KCE	TE7	40.0	142,139	485,000	43,600	75.7	3.26	11.1	444.4	6.30	190.1	564.0	93.0
ZP485KCE	TED	40.0	142,139	485,000	43,600	62.4	3.26	11.1	444.4	6.30	190.1	408.0	93.0
ZP485KCE	TWD	40.0	142,139	485,000	43,600	62.4	3.26	11.1	444.4	6.30	190.1	408.0	93.0
ZP485KPE	TWD	40.0	140,381	479,000	43,600	61.1	3.22	11.0	444.4	6.30	200.0	408.0	89.0
ZP485KWE	DE5	40.0	155,621	531,000	30,700	85.3	5.07	17.3	444.4	6.30	192.8	870.0	93.0
ZP485KWE	TED	40.0	155,621	531,000	30,700	42.6	5.07	17.3	444.4	6.30	192.8	464.0	93.0
ZP49K5E	TF5	4.0	14,566	49,700	4,650	13.4	3.13	10.7	46.4	1.24	32.7	110.0	71.0
ZP49K5E	TFD	4.0	14,654	50,000	4,650	6.5	3.15	10.8	46.4	1.24	32.7	52.0	71.0
ZP49K6E	TF5	4.0	14,654	50,000	4,660	13.3	3.14	10.7	46.4	1.24	32.7	110.0	71.0
ZP49K6E	TFD	4.0	14,654	50,000	4,660	6.6	3.14	10.7	46.4	1.24	32.7	52.0	71.0
ZP49KSE	TF5	4.0	14,566	49,700	4,650	13.4	3.13	10.7	46.4	1.24	32.7	110.0	71.0
ZP49KSE	TFD	4.0	14,654	50,000	4,650	6.5	3.15	10.8	46.4	1.24	32.7	52.0	71.0
ZP49KUE	TF5	4.0	14,507	49,500	4,580	14.3	3.17	10.8	46.0	1.24	29.9	136.8	71.0
ZP50K3E	TF5	4.0	15,093	51,500	4,890	14.4	3.09	10.5	48.2	1.95	39.5	123.0	72.0
ZP50K3E	TFD	4.0	15,093	51,500	4,890	7.2	3.09	10.5	48.2	1.95	39.5	62.0	72.0
ZP51K5E	TF5	4.0	15,328	52,300	4,850	13.6	3.16	10.8	48.2	1.24	32.2	110.0	71.0
ZP51K5E	TFD	4.0	15,328	52,300	4,850	6.8	3.16	10.8	48.2	1.24	32.2	52.0	71.0
ZP51K6E	TF5	4.0	15,152	51,700	4,800	13.7	3.16	10.8	48.2	1.24	32.2	110.0	71.0
ZP51K6E	TFD	4.0	15,152	51,700	4,800	6.8	3.16	10.8	48.2	1.24	32.2	52.0	71.0
ZP51KHE	TF5	4.0	15,093	51,500	4,810	13.8	3.14	10.7	48.2	1.24	32.2	110.0	71.0
ZP51KSE	TF5	4.0	15,093	51,500	4,810	13.8	3.14	10.7	48.2	1.24	32.2	110.0	71.0

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)	
		(W)	(Btu/h)										
ZP51KUE	TF5	4.0	15,386	52,500	4,800	15.0	3.21	10.9	47.0	1.24	30.4	136.8	71.0
ZP51KUE	TFD	4.0	15,093	51,500	4,720	7.7	3.20	10.9	47.0	1.24	30.4	72.0	69.0
ZP54K3E	TF5	4.5	15,972	54,500	5,250	16.0	3.04	10.4	51.3	1.95	38.1	137.0	72.0
ZP54K3E	TFD	4.5	15,972	54,500	5,250	7.7	3.04	10.4	51.3	1.95	38.1	62.0	72.0
ZP54K5E	TF5	4.5	15,914	54,300	5,070	14.4	3.14	10.7	51.1	1.24	32.2	110.0	71.0
ZP54K5E	TFD	4.5	15,914	54,300	5,070	7.2	3.14	10.7	51.1	1.24	32.2	52.0	71.0
ZP54K6E	TF5	4.5	15,943	54,400	5,030	14.2	3.17	10.8	51.1	1.24	32.2	110.0	71.0
ZP54K6E	TFD	4.5	15,943	54,400	5,080	7.0	3.14	10.7	51.1	1.24	32.2	52.0	71.0
ZP54KSE	TF5	4.5	15,914	54,300	5,070	14.4	3.14	10.7	51.1	1.24	0.0	110.0	71.0
ZP54KSE	TFD	4.5	15,972	54,500	5,050	7.2	3.16	10.7	51.1	1.24	32.7	52.0	71.0
ZP54KUE	TF5	4.5	15,826	54,000	4,950	15.1	3.20	10.9	49.8	1.24	29.9	136.8	71.0
ZP54KUE	TFD	4.5	15,826	54,000	4,940	7.9	3.20	11.0	49.8	1.24	30.4	72.0	71.0
ZP57K3E	TF5	4.5	16,998	58,000	5,500	16.6	3.09	10.6	54.2	1.66	41.7	155.0	74.0
ZP57K3E	TFD	4.5	16,998	58,000	5,500	8.2	3.09	10.6	54.2	1.66	41.7	75.0	74.0
ZP57K5E	TF5	4.5	16,852	57,500	5,320	15.2	3.17	10.8	53.4	1.24	34.0	136.0	71.0
ZP57K5E	TFD	4.5	16,852	57,500	5,320	7.6	3.17	10.8	53.4	1.24	34.0	66.1	71.0
ZP57KSE	TF5	4.5	16,852	57,500	5,320	15.4	3.17	10.8	53.4	1.24	34.0	136.0	71.0
ZP61K5E	TF5	5.0	18,024	61,500	5,750	16.6	3.13	10.7	57.2	1.24	34.9	136.0	71.0
ZP61K5E	TFD	5.0	18,024	61,500	5,750	8.3	3.13	10.7	57.2	1.24	34.9	66.1	71.0
ZP61KCE	TF5	5.0	18,024	61,500	5,700	16.8	3.16	10.8	58.2	1.66	39.9	123.0	74.0
ZP61KCE	TFD	5.0	18,024	61,500	5,700	8.3	3.16	10.8	58.2	1.66	39.9	62.0	74.0
ZP67KCE	TF5	5.5	19,782	67,500	6,250	18.2	3.17	10.8	62.9	1.77	39.9	149.0	75.0
ZP67KCE	TFD	5.5	19,636	67,000	6,220	9.1	3.16	10.8	62.9	1.77	39.9	75.0	75.0
ZP725KCE	FED	60.0	212,477	725,000	68,400	96.8	3.11	10.6	663.7	6.30	259.9	669.0	N/A
ZP72KCE	TF5	6.0	21,101	72,000	6,750	20.1	3.13	10.7	67.2	1.77	39.9	164.0	75.0
ZP72KCE	TFD	6.0	21,101	72,000	6,750	9.7	3.13	10.7	67.2	1.77	39.9	75.0	75.0
ZP72KTE	TFD	6.0	21,101	72,000	6,750	9.7	3.13	10.7	67.2	1.69	39.9	75.0	75.0
ZP76KCE	TF5	6.0	22,566	77,000	7,060	20.8	3.20	10.9	70.8	1.77	39.5	164.0	75.0
ZP76KCE	TFD	6.0	22,566	77,000	7,060	11.1	3.20	10.9	70.8	1.77	39.5	100.0	75.0
ZP83KCE	TF5	7.0	24,325	83,000	7,650	22.0	3.18	10.8	77.2	1.77	39.5	164.0	75.0
ZP83KCE	TFD	7.0	24,325	83,000	7,650	11.8	3.18	10.8	77.2	1.77	39.5	100.0	75.0
ZP83KFE	TFD	7.0	24,325	83,000	7,800	12.1	3.12	10.6	77.2	1.77	39.5	100.0	75.0
ZP90KCE	TF5	7.5	26,523	90,500	8,350	26.3	3.18	10.8	84.2	2.51	57.6	195.0	77.0
ZP90KCE	TFD	7.5	26,523	90,500	8,370	13.0	3.17	10.8	84.2	2.51	57.6	95.0	77.0
ZP90KQE	TFD	7.5	26,523	90,500	8,350	12.5	3.18	10.8	2081.2	2.63	57.6	95.0	77.0
ZP91KCE	TF5	7.5	26,523	90,500	8,230	24.8	3.22	11.0	84.6	1.77	40.8	191.0	75.0
ZP91KCE	TFD	7.5	26,523	90,500	8,230	12.6	3.22	11.0	84.6	1.77	40.8	100.0	75.0
ZP91KFE	TFD	7.5	26,376	90,000	8,250	12.5	3.20	10.9	84.6	1.77	40.8	100.0	N/A

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

380V; 50 Hz, 3 Phase

R410A

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
VP103KFE TFP	8.5	25,116	85,700	7,940	14.7	3.16	10.8	96.4	3.25	60.8	74.0	N/A
VP103KSE TFP	8.5	25,204	86,000	7,800	13.7	3.23	11.0	96.4	3.25	59.9	74.0	N/A
VP104K2E TFP	N/A	25,644	87,500	7,970	14.3	3.22	11.0	96.4	2.51	47.6	74.0	N/A
VP104KSE TFP	9.0	25,644	87,500	7,840	14.3	3.27	11.2	96.4	2.51	47.6	74.0	N/A
VP120KFE TFP	10.0	29,307	100,000	9,340	17.6	3.14	10.8	113.6	3.25	62.6	74.0	N/A
VP120KSE TFP	10.0	29,307	100,000	9,110	16.6	3.22	11.0	113.6	3.25	61.2	74.0	N/A
VP122KFE TFP	10.0	29,600	101,000	9,340	17.5	3.17	10.8	112.3	0.00	48.5	74.0	N/A
VP122KSE TFP	10.0	29,893	102,000	9,160	16.6	3.26	11.2	112.3	2.51	48.5	74.0	N/A
VP137KSE TFP	11.5	32,531	111,000	10,200	17.8	3.19	10.9	127.2	3.25	61.2	75.0	N/A
VP143KSE TFP	12.0	35,462	121,000	10,700	19.4	3.31	11.3	132.7	2.75	49.0	72.0	N/A
VP144KFE TFP	N/A	35,462	121,000	11,100	19.8	3.19	10.9	134.7	3.25	60.8	75.0	N/A
VP144KSE TFP	12.0	35,462	121,000	10,800	19.1	3.28	11.2	134.7	3.25	60.8	75.0	N/A
VP154KFE TFP	13.0	36,927	126,000	11,900	21.3	3.10	10.6	142.9	3.25	64.9	76.0	N/A
VP154KSE TFP	13.0	37,220	127,000	11,600	20.8	3.21	11.0	142.9	3.25	64.9	76.0	N/A
VP182KSE TFP	15.0	43,961	150,000	13,500	25.7	3.26	11.1	167.1	3.25	66.2	77.0	N/A
VP232KSE TEP	20.0	56,709	193,500	16,850	29.2	3.37	11.5	210.2	4.44	91.6	82.0	N/A
VP28KME TFP	2.5	6,770	23,100	2,310	4.6	2.93	10.0	26.7	0.77	19.5	63.0	N/A
VP292KFE TEP	25.0	71,509	244,000	22,400	42.0	3.19	10.9	262.8	4.44	91.6	82.0	N/A
VP292KSE TEP	25.0	71,509	244,000	21,200	36.8	3.37	11.5	262.8	4.44	91.6	82.0	N/A
VP42KUE TFP	3.5	10,257	35,000	3,300	5.9	3.11	10.6	39.8	1.24	29.9	71.0	N/A
VP51KUE TFP	4.0	12,456	42,500	3,930	7.5	3.17	10.8	47.0	1.24	29.9	69.0	N/A
VP54KUE TFP	4.5	13,188	45,000	4,240	7.9	3.11	10.6	49.8	1.24	29.9	69.0	N/A
VP57KUE TFP	4.5	15,386	52,500	3,860	7.8	3.99	13.6	53.1	1.48	29.9	69.0	N/A
VP61KUE TFP	5.0	16,559	56,500	4,150	8.5	3.99	13.6	57.2	1.48	29.9	69.0	N/A
VP90KSE TFP	7.5	21,834	74,500	6,950	12.3	3.14	10.7	84.2	2.51	56.7	72.0	N/A

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

220V; 50 Hz, 1 Phase

R410A

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
VP28KME PFS	2.5	6,858	23,400	2,320	10.7	2.96	10.1	26.7	0.77	20.0	63.0	N/A

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

High ambient temperature 220-240V; 50 Hz, 1 Phase

R410A

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/ Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZJ22KHE PFZ	2.0	5,949	20,300	1,550	7.2	3.84	13.1	20.6	0.77	20.0	53.0	66.0
ZJ25KHE PFZ	2.0	6,594	22,500	1,720	8.2	3.83	13.1	23.3	0.77	20.0	60.0	66.0
ZJ27KHE PFZ	2.0	7,210	24,600	1,880	8.8	3.83	13.1	25.7	0.77	20.0	60.0	66.0
ZJ36KHE PFZ	3.0	9,671	33,000	2,430	11.9	3.98	13.6	34.4	1.24	30.4	102.0	68.0
ZJ39KHE PFZ	3.0	10,463	35,700	2,730	13.6	3.83	13.1	36.9	1.24	30.4	115.0	71.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

High ambient temperature 230V; 60 Hz, 1 Phase

R410A

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZJ17KHE PFB	1.5	5,422	18,500	1,430	6.6	3.79	12.9	16.1	0.77	20.0	67.0	66.0
ZJ22KHE PFB	2.0	7,122	24,300	1,870	8.2	3.81	13.0	20.6	0.77	20.0	82.0	66.0
ZJ25KHE PFB	2.0	8,059	27,500	2,080	9.6	3.87	13.2	23.3	0.77	20.0	82.0	66.0
ZJ27KHE PFB	2.0	8,792	30,000	2,260	10.1	3.89	13.3	25.7	0.77	20.0	80.0	66.0
ZJ34KHE PFB	3.0	10,902	37,200	2,690	12.3	4.05	13.8	31.5	1.24	30.4	116.0	68.0
ZJ36KHE PFB	3.0	11,869	40,500	2,960	13.2	4.01	13.6	34.4	1.24	30.4	112.0	68.0
ZJ39KHE PFB	3.0	12,837	43,800	3,190	14.2	4.02	13.8	36.9	1.24	30.4	112.0	68.0
ZJ42KHE PFB	3.5	13,892	47,400	3,410	15.6	4.07	13.9	39.8	1.24	30.4	128.0	68.0
ZJ44KHE PFB	3.5	14,566	49,700	3,560	16.3	4.09	13.9	42.0	1.24	30.4	128.0	68.0
ZJ49KHE PFB	4.0	15,767	53,800	3,890	17.8	4.05	13.8	46.0	1.24	30.4	138.0	68.0
ZJ51KHE PFB	4.0	16,412	56,000	4,030	18.5	4.07	13.9	48.2	1.24	30.4	138.0	68.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

High ambient temperature 400V; 60 Hz, 3 Phase

R410A

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZJ34KHE TF7	3.0	10,844	37,000	2,700	5.2	4.02	13.7	31.5	1.24	30.4	65.0	71.0
ZJ36KHE TF7	3.0	11,811	40,300	2,940	5.6	4.02	13.7	34.4	1.24	30.4	65.0	71.0
ZJ39KHE TF7	3.0	12,602	43,000	3,140	6.0	4.01	13.7	36.9	1.24	30.4	65.0	71.0
ZJ40KHE TF7	3.5	11,723	40,000	3,640	6.6	3.22	11.0	36.9	1.24	30.4	58.0	68.0
ZJ42KHE TF7	3.5	13,569	46,300	3,340	6.1	4.06	13.9	39.8	1.24	30.4	65.0	71.0
ZJ43KHE TF7	3.5	12,602	43,000	3,870	6.9	3.26	11.1	39.8	1.24	30.4	58.0	68.0
ZJ44KHE TF7	3.5	14,624	49,900	3,570	7.3	4.10	14.0	42.0	1.24	30.4	78.0	71.0
ZJ49KHE TF7	4.0	15,767	53,800	3,920	7.2	4.02	13.8	46.0	1.24	30.4	78.0	71.0
ZJ51KHE TF7	4.0	16,559	56,500	4,030	7.4	4.11	14.0	47.0	1.24	30.4	78.0	71.0
ZJ54KHE TF7	4.5	17,291	59,000	4,240	8.1	4.08	14.0	49.8	1.24	29.9	78.0	71.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C

High ambient temperature 380-420V; 50 Hz, 3 Phase

R410A

Model	(HP)	Capacity		Power (W)	Current (A)	COP (W/W)	EER (Btu/Wh)	Displacement (cc/Rev.)	Oil (l)	Weight (kg)	Lock rotor Amps (A)	Noise sound power (dBA)
		(W)	(Btu/h)									
ZJ36KHE TFM	3.0	9,671	33,000	2,430	4.8	3.98	13.6	34.4	1.24	30.4	55.0	71.0
ZJ42KHE TFM	3.5	11,283	38,500	2,780	5.2	4.06	13.8	39.8	1.24	30.4	55.0	71.0
ZJ44KHE TFM	3.5	11,928	40,700	2,970	5.5	4.02	13.7	42.0	1.24	30.4	55.0	71.0
ZJ51KHE TFM	4.0	13,745	46,900	3,380	6.9	4.07	13.9	47.0	1.24	29.9	72.0	71.0
ZJ54KHE TFM	4.5	14,536	49,600	3,610	7.3	4.03	13.7	49.8	1.24	30.4	72.0	71.0

Note: All values as per AHRI test standards: Evaporating temperature: 7.2°C, Condensing temperature: 54.4°C. Subcooling: 8.3K, Superheat: 11.1K, Ambient temperature: 35°C