

Technical Overview

Models	Nominal hp	Capacity (kW)	EER	Displacement (m ³ /h)	Stub Suction (inch)	Stub Discharge (inch)	Oil Quantity (l)	Length/Width/Height (mm)	Net Weight (kg)	Motor Version/ Code		Maximum Operating Current (A)		Locked Rotor Current (A)		Sound Pressure @1 m (dBA) ***
										1 Ph*	3 Ph**	1 Ph*	3 Ph**	1 Ph*	3 Ph**	
ZP24K5E	1.9	5.1	2.8	4.0	3/4	1/2	0.7	236/236/387	22	PFJ	TFD	13	5	60	28	55
ZP29K5E	2.2	6.0	2.8	4.8	3/4	1/2	0.7	246/246/387	23	PFJ	TFD	16	6	67	38	55
ZP31K5E	3.0	6.5	2.8	5.1	3/4	1/2	0.7	243/243/388	22	PFJ	TFD	17	7	67	38	55
ZP36K5E	2.6	7.6	2.9	6.0	7/8	1/2	1.2	243/243/506	32	PFJ	TFD	20	7	87	46	57
ZP42K5E	3.5	8.9	2.9	6.9	7/8	1/2	1.2	246/246/418	31	PFJ	TFD	21	8	98	43	57
ZP54K5E	4.6	11.5	3.0	8.9	7/8	1/2	1.2	246/246/418	34	PFJ	TFD	31	10	128	52	59
ZP61K5E	5.0	13.4	3.0	10.0	7/8	1/2	1.2	246/246/445	35		TFD		11		67	57
ZP72KCE	6.0	15.3	3.0	11.7	7/8	1/2	1.7	246/246/455	45		TFD		15		75	59
ZP83KCE	7.0	17.7	3.1	13.5	7/8	1/2	1.8	246/246/443	40		TFD		15		101	61
ZP91KCE	7.5	19.3	3.1	14.7	1 1/4	1 1/4	1.8	243/248/443	41		TFD		16		101	61
ZP104KCE	9.0	22.7	3.2	16.8	1 1/8	7/8	2.5	297/262/559	49		TFD		18		128	60
ZP122KCE	10.0	26.5	3.2	19.6	1 1/8	7/8	2.5	297/262/559	49		TFD		22		139	61
ZP143KCE	12.0	31.6	3.2	23.1	1 1/8	7/8	2.8	270/262/559	49		TFD		25		146	61
ZP154KCE	13.0	33.1	3.2	24.9	1 3/8	7/8	3.3	281/285/552	65		TFD		31		140	66
ZP182KCE	15.0	39.0	3.2	29.1	1 3/8	7/8	3.3	281/285/552	66		TFD		34		174	66
ZP233KZE	20.0	50.6	3.3	36.6	1 5/8	1 1/8	4.4	315/315/661	92		TED		38		241	72
ZP293KZE	25.0	63.3	3.3	45.7	1 5/8	1 1/8	4.4	315/315/661	92		TED		49		288	72
ZP385KCE	30.0	82.4	3.2	60.8	1 5/8	1 3/8	6.3	448/392/715	178		TWD		65		310	74
ZP485KCE	40.0	105.0	3.2	77.3	1 5/8	1 3/8	6.3	368/345/756	190		TWD		83		408	78
ZP725KCE	60.0	159.5	3.2	115.5	2 1/8	1 3/8	6.3	483/460/864	260		FED		123		666	82

Conditions EN12900 : Evaporating 5°C, Condensing 50°C, Superheat 10K, Subcooling 0K

* 1 Ph: 230V/ 50Hz

** 3 Ph: 380-420V/ 50Hz

*** @ 1m: sound pressure level at 1m distance from the compressor, free field condition

Capacity Data

Condensing Temperature +50°C															
R410A	Cooling Capacity (kW)							R410A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
Model	-15	-10	-5	0	+5	+10	+15	Model	-15	-10	-5	0	+5	+10	+15
ZP24K5E		2.7	3.4	4.2	5.0	6.0		ZP24K5E		1.9	1.9	1.8	1.8	1.8	
ZP29K5E		3.1	4.0	4.9	6.0	7.3		ZP29K5E		2.3	2.2	2.2	2.2	2.1	
ZP31K5E		3.2	4.2	5.3	6.5	7.9		ZP31K5E		2.4	2.4	2.4	2.3	2.3	
ZP36K5E		4.1	5.1	6.3	7.6	9.1	10.8	ZP36K5E		2.8	2.7	2.7	2.6	2.6	2.5
ZP42K5E		4.5	5.8	7.3	8.9	10.7	12.8	ZP42K5E		3.3	3.2	3.1	3.0	3.0	2.9
ZP54K5E		5.8	7.5	9.3	11.5	13.9	16.6	ZP54K5E		4.0	3.9	3.9	3.8	3.8	3.8
ZP61K5E		7.2	9.0	11.1	13.4	16.0	18.9	ZP61K5E		4.6	4.5	4.5	4.4	4.4	4.4
ZP72KCE		8.6	10.5	12.7	15.3	18.2	21.5	ZP72KCE		5.1	5.1	5.1	5.1	5.1	5.1
ZP83KCE		9.8	12.1	14.7	17.7	21.1	25.1	ZP83KCE		5.7	5.8	5.8	5.8	5.8	5.9
ZP91KCE		10.6	13.2	16.1	19.3	22.9	27.0	ZP91KCE		6.1	6.1	6.1	6.2	6.2	6.2
ZP104KCE		12.6	15.6	18.9	22.7	27.0	31.9	ZP104KCE		7.1	7.1	7.1	7.1	7.1	7.1
ZP122KCE		14.8	18.3	22.1	26.5	31.5	37.2	ZP122KCE		8.3	8.3	8.3	8.3	8.3	8.4
ZP143KCE		17.1	21.4	26.3	31.6	37.6	44.1	ZP143KCE		9.8	9.8	9.8	9.8	9.8	9.8
ZP154KCE		18.7	23.0	27.7	33.1	39.3	46.3	ZP154KCE		10.3	10.3	10.4	10.5	10.6	10.7
ZP182KCE		22.2	27.1	32.7	39.0	46.2	54.6	ZP182KCE		12.0	12.1	12.2	12.3	12.4	12.5
ZP233KZE		28.5	34.9	42.2	50.6	60.1	70.8	ZP233KZE		15.2	15.3	15.3	15.3	15.3	15.3
ZP293KZE		36.1	44.0	53.1	63.3	74.8	87.6	ZP293KZE		19.4	19.5	19.4	19.4	19.3	19.3
ZP385KCE		46.3	56.6	68.6	82.3	98.1	116.0	ZP385KCE		25.4	25.3	25.4	25.6	25.9	26.3
ZP485KCE		60.2	73.1	88.0	105.0	125.0	147.0	ZP485KCE		31.1	31.5	32.0	32.5	33.2	34.0
ZP725KCE		91.7	111.0	135.5	159.0	188.0	222.0	ZP725KCE		49.7	50.0	50.3	50.5	50.9	51.3

Conditions: Suction Superheat 10K / Subcooling 0K