

Mbsm.pro, compressor, Copeland, ZP137KCE-TFD-522, 11.4 HP, 3 ph, 380 v, 32500 W, 111000 Btu/h, SCROLL, R410A

Category: compressor

written by Lilianne | 19 February 2022



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11.4 HP Cooling capacity: 32500W | 111000Btu/h

Maximum Allowable Pressure (PS)

- ZP24 to ZP91: Low Side PS 28 bar(g) / High Side PS 43 bar(g)
- ZP90 to ZP485: Low Side PS 29.5 bar(g) / High Side PS 45 bar(g)

Technical Overview

Model Number	Power Supply	Displacement M3/Hr	R410A Capacity @ 7.2 Deg C SST	Connection Type	Connection Size (Suction)	Oil Charge	Rated Load Current (Amps)	Locked Rotor Current: (A)	Weight
ZP36KSE-TFM-522	415V	5.988	8030 W	Stub Tube	7/8"	1.12 ltr	6.6 A	46 A	29.4 kg
ZP42KSE-PFZ-522	240V	6.929	9180 W	Stub Tube	7/8"	1.12 ltr	21.7 A	128 A	33.1 kg
ZP42KSE-TFM-522	415V	6.929	9060 W	Stub Tube	7/8"	1.12 ltr	6.8 A	43 A	33.1 kg
ZP51KSE-PFZ-522	240V	8.383	N/A	Stub Tube	7/8"	1.12 ltr	22.5 A	126 A	34.4 kg

Model Number	Power Supply	Displacement M3/Hr	R410A Capacity @ 7.2 Deg C SST	Connection Type	Connection Size (Suction)	Oil Charge	Rated Load Current (Amps)	Locked Rotor Current: (A)	Weight
ZP51KSE-TFM-522	415V	8.383 m3/h	N/A	Stub Tube	7/8"	1.12 ltr	8.6 A	51.5 A	33 kg
ZP54KSE-PFZ-522	240V	8.896 m3/h	11750 W	Stub Tube	7/8"	1.12 ltr	22.5 A	115.5 A	34.4 kg
ZP54KSE-TFM-522	415V	8.896 m3/h	11650 W	Stub Tube	7/8"	1.12 ltr	8.6 A	51.5 A	33 kg
ZP57K3E-PFJ-522	240V	9.438 m3/h	N/A	Stub Tube	7/8"	1.54 ltr	27.3 A	153 A	41.7 kg
ZP57K3E-TFD-522	415V	9.438 m3/h	N/A	Stub Tube	7/8"	1.54 ltr	10.7 A	74 A	41.7 kg
ZP61KCE-PFZ-522	240V	10.108 m3/h	N/A	Stub Tube	7/8"	1.66 ltr	29.3 A	147 A	40.3 kg
ZP61KCE-TFD-522	415V	10.108 m3/h	13250 W	Stub Tube	7/8"	1.66 ltr	10.9 A	64 A	40.3 kg
ZP67KCE-TFD-522	415V	10.958 m3/h	N/A	Stub Tube	7/8"	1.66 ltr	11.8 A	74 A	40 kg
ZP72KCE-TFD-522	415V	11.679 m3/h	15400 W	Stub Tube	7/8"	1.66 ltr	12.5 A	75 A	40 kg
ZP83KCE-TFD-522	415V	13.43 m3/h	17950 W	Stub Tube	7/8"	1.66 ltr	13.6 A	101 A	40 kg
ZP90KCE-TFD-522	415V	14.642 m3/h	19650 W	Stub Tube	1 1/8"	2.4 ltr	16.4 A	95 A	57.6 kg
ZP103KCE-TFD-522	415V	16.763 m3/h	22700 W	Stub Tube	1 3/8"	3.13 ltr	18.6 A	111 A	61.2 kg
ZP120KCE-TFD-522	415V	19.76 m3/h	26800 W	Stub Tube	1 3/8"	3.13 ltr	20 A	118 A	61.2 kg
ZP137KCE-TFD-522	415V	22.121 m3/h	30100 W	Stub Tube	1 3/8"	3.13 ltr	20.7 A	118 A	62.1 kg
ZP154KCE-TFD-522	415V	24.867 m3/h	33700 W	Stub Tube	1 3/8"	3.13 ltr	25 A	140 A	64.9 kg
ZP182KCE-TFD-522	415V	29.078 m3/h	40100 W	Stub Tube	1 3/8"	3.13 ltr	28.6 A	174 A	66.2 kg
ZP385KCE-TWD-522	415V	60.8 m3/h	N/A	Stub Tube	1 5/8"	6.3 ltr	65.4 A	310 A	177.8 kg

• Quick Details

Type:

Refrigeration Compressor

Application:

Refrigeration Parts

Model:

ZP137KCE-TFD-522

Voltage:

380-420V50Hz, 460V/60Hz

Refrigerant:

R410A

Horse Power:
11.4 HP

Cooling capacity:
32500W | 111000Btu/h

Input power:
10200 W

Current:
18.3 A

Cop(w/w) :
3.19

Displacement:
127.2 cc/rev

Net weight:
62.1 kg

Product Parameter

Model	ZP137KCE-TFD-522 ZP137KCE-TFD-425 ZP137KCE-TFD-455	CoolingCapacity	32500W	COP	3.19w/w
Refrigerant	R410A	CoolingCapacity	111000Btu/h	EER	10.9Btu/Wh
Voltage	380-420V/50Hz 460V/60Hz	Inputpower	10200W	Displace-ment	127.2cc/Rev
Horsepower	11.4HP	Current	18.3A	Netweight	62.1kg

Copeland ZR
series R410a
Refrigerant
380-420V

Model	Horsepower	Coolingcapacity	Inputpower	Current	COP	Displacement	Oilcharge	Netweight	
HP	W	Btu/h	W	A	w/w	cc/Rev.	L	KG	
ZP57K3E-TFD	4.8	13900	47500	4610	8.1	3.02	54.3	1.66	41
ZP61KCE-TFD	5.1	14650	50000	4750	8.3	3.11	58.1	1.66	41
ZP67KCE-TFD	5.6	16100	55000	5200	9.1	3.11	63.0	1.77	40
ZP72KCE-TFD	6.0	17100	58500	5700	9.8	3.02	67.1	1.77	40
ZP76KCE-TFD	6.3	18400	62700	5850	11.0	3.14	70.8	1.77	40
ZP83KCE-TFD	6.9	19900	68000	6400	11.7	3.11	77.2	1.77	40
ZP90KCE-TFD	7.5	21800	74500	6950	12.3	3.14	84.2	2.51	57.6
ZP91KCE-TFD	7.6	21700	74000	6790	12.4	3.19	84.6	1.77	41

ZP103KCE-TFD 8.6	25200	86000	7800	14.4	3.22	96.4	3.25	61
ZP120KCE-TFD 10.0	29300	100000	9110	16.6	3.22	113.6	3.25	61
ZP122KCE-TFD 10.2	29600	101000	9060	16.6	3.27	112.3	2.51	49
ZP137KCE-TFD 11.4	32500	111000	10200	18.3	3.19	127.2	3.25	62
ZP144KCE-TFD 12.0	35500	120700	10800	18.7	3.28	134.6	3.25	62
ZP154KCE-TFD 12.8	37000	127000	11600	20.8	3.22	142.9	3.25	65
ZP182KCE-TFD 15.2	44000	150000	13500	26.3	3.25	167.2	3.25	66
ZP235KCE-TWD 19.6	57000	195000	17600	30.0	3.25	217.2	4.67	140
ZP285KCE-TWD 23.8	67500	229500	20300	35.0	3.31	253.2	6.30	177
ZP295KCE-TWD 24.6	71500	244000	22000	37.2	3.25	268.5	6.80	160
ZP385KCE-TWD 32.1	92500	316000	28500	48.1	3.25	349.4	6.30	177
ZP485KCE-TWD 40.4	117000	400000	36100	60.3	3.25	444.5	6.30	200



R410A	Nominal hp	Capacity (kW)	COP	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**	
ZP24KSE	1.9	5.1	2.8	3.9	3/4	1/2	0.74	242/242/407	22	PFZ	TFM	13	5	60	28	55
ZP29KSE	2.2	6.1	2.9	4.8	3/4	1/2	0.74	242/242/407	23	PFZ	TFM	16	6	67	38	55
ZP31KSE	3.0	6.5	2.8	5.0	3/4	1/2	0.74	242/242/388	23	PFZ	TFM	17	6	67	38	55
ZP36KSE	2.6	7.9	3.0	6.0	7/8	1/2	1.25	242/242/421	30	PFZ	TFM	22	7	98	46	57
ZP42KSE	3.4	9.0	2.9	6.9	7/8	1/2	1.25	242/242/421	31	PFZ	TFM	26	8	128	43	57
ZP54KSE	4.6	11.6	3.0	8.9	7/8	1/2	1.24	242/242/422	34	PFZ	TFM	31	10	115	51	69
ZP61KCE	5.0	13.1	3.0	10.1	7/8	1/2	1.66	245/249/440	40		TFD		12		64	60
ZP72KCE	6.0	15.3	3.0	11.7	7/8	1/2	1.77	245/249/440	40		TFD		15		75	64
ZP83KCE	6.5	17.7	3.1	13.4	7/8	1/2	1.77	241/247/440	40		TFD		15		101	61
ZP91KCE	7.5	19.3	3.1	14.7	7/8	3/4	1.77	243/248/443	41		TFD		16		101	61
ZP90KCE	7.5	19.4	3.1	14.6	1 1/8	7/8	2.65	264/284/476	57		TFD		16		95	61
ZP103KCE	9.0	22.4	3.2	16.7	1 3/8	7/8	3.38	264/284/533	59		TFD		21		111	63
ZP120KCE	10.0	26.6	3.2	19.7	1 3/8	7/8	3.38	264/284/533	61		TFD		22		118	63
ZP137KCE	12.0	29.9	3.2	22.1	1 3/8	7/8	3.38	264/284/533	61		TFD		25		118	64
ZP154KCE	13.0	33.5	3.2	24.8	1 3/8	7/8	3.38	264/284/552	65		TFD		31		140	65
ZP182KCE	15.0	39.6	3.2	29.1	1 3/8	7/8	3.38	264/284/552	66		TFD		34		174	66
ZP235KCE	20.0	50.6	3.2	37.8	1 5/8	1 3/8	4.70	432/376/717	140		TWD		40		225	71
ZP236KCE	20.0	50.9	3.2	37.8	1 5/8	1 1/8	4.30	383/391/694	127		TED		41		229	71
ZP295KCE	25.0	63.5	3.2	46.7	1 5/8	1 3/8	6.80	448/392/725	160		TWD		48		272	74
ZP296KCE	25.0	63.2	3.2	46.5	1 5/8	1 1/8	4.30	383/391/694	132		TED		51		320	74
ZP385KCE	30.0	82.4	3.2	60.8	1 5/8	1 3/8	6.30	448/392/715	178		TWD		65		310	74
ZP485KCE	40.0	105.0	3.2	77.3	1 5/8	1 3/8	6.30	448/392/756	190		TWD		82		408	78

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