

Residential and Light Commercial Scroll Compressors

Danfoss Residential and Light Commercial Air Conditioning Scroll Compressors install quickly and easily and feature a design that minimizes internal parts, decreasing the overall weight and significantly reducing noise during operation. With a bolt pattern and liquid and suction line connections that line up with those of other major scroll compressor manufacturers, Danfoss scroll compressors can be used to replace compressors made by nearly any company.



R-22/R-407C Product Selection

Refrigerant	Motor Voltage	Tons (approx.)	Competitor Model No.	Solder ODF connection (in.)	Weight (lbs.)	OLD Danfoss Model	NEW Danfoss Model	
						Danfoss Model No.	Danfoss Model No.	Danfoss Code No.
R-22	1: 200–230V/1/60Hz	2	ZR25K-PFV	$\frac{3}{4} \times \frac{1}{2}$	73	HRM025T1LP6	HRP025T1LP6	120U3307¹
		2 ½	ZR28K*-PFV ZR32K*-PFV	$\frac{3}{4} \times \frac{1}{2}$	75	HRM032U1LP6	HRM032U1LP6A	120U3308¹
		3	ZR34K*-PFV ZR36K*-PFV	$\frac{3}{4} \times \frac{1}{2}$	75	HRM038U1LP6	HRM038U1LP6A	120U3309¹
		3 ½	ZR40K*-PFV ZR42K*-PFV	$\frac{3}{4} \times \frac{1}{2}$	75	HRM040U1LP6 HRM042U1LP6	HRP042T1LP6	120U3310¹
		4	ZR47K*-PFV	$\frac{7}{8} \times \frac{1}{2}$	77	HRM047U1LP6	HRM047U1LP6A	120U3311¹
		4 ½	ZR54K*-TF5	$\frac{7}{8} \times \frac{1}{2}$	97	HRM054U1LP6	HRM054U1LP6A	120U3312¹
		5	ZR57K*-PFV ZR61K*-PFV	$\frac{7}{8} \times \frac{1}{2}$	97	HRM060U1LP6	HRP060T1LP6	120U3313¹
	2: 200–220V/3/50Hz & 208–230V/3/60Hz	3 ½	ZR42K*-TF5	$\frac{3}{4} \times \frac{1}{2}$	75	HRM042U2LP6	HRM042U2LP6A	120U3314¹
		4	ZR47K*-TF5	$\frac{7}{8} \times \frac{1}{2}$	71	HRM047U2LP6	HRP047T2LP6	120U3315¹
		4 ½	ZR54K*-TF5	$\frac{7}{8} \times \frac{1}{2}$	93	HRM054U2LP6	HRM054U2LP6A	120U3316¹
		5	ZR57K*-TF5 ZR61K*-TF5	$\frac{7}{8} \times \frac{1}{2}$	93	HRM060U2LP6	HRP060T2LP6	120U3317¹
		5 ½		$\frac{7}{8} \times \frac{1}{2}$	85		HLM068T2LC6A	120U3276
		6	ZR72K*-TF5	$\frac{7}{8} \times \frac{1}{2}$	95	HLM072T2LC6 HLM075T2LC6	HLP075T2LC6	120U3098
		7	ZR81KC-TF5	$\frac{7}{8} \times \frac{3}{4}$	91	HLM081T2LC6	HLP081T2LC6	120U1916
		8	ZR94KC-TF5	$1 \frac{1}{8} \times \frac{7}{8}$	108	HCM094T2LC6	HCP094T2LC6	120U0906
		10	ZR125KC-TF5 ZR12M3*-TWC	$1 \frac{1}{8} \times \frac{7}{8}$	106	HCM120T2LC6	HCP120T2LC6	120U0766
		4	ZR47K*-TFD	$\frac{7}{8} \times \frac{1}{2}$	82	HRM047U4LP6	HRP047T4LP6	120U3318²
	4: 380–415V/3/50Hz & 460V/3/60Hz	4 ½	ZR54K*-TFD	$\frac{7}{8} \times \frac{1}{2}$	89	HRM054U4LP6	HRP054T4LP6	120U3319²
		5	ZR57K*-TFD ZR61K*-TFD	$\frac{7}{8} \times \frac{1}{2}$	88	HRM058U4LP6 HRM060U4LP6	HRP060T4LP6	120U3320²
		5 ½		$\frac{7}{8} \times \frac{1}{2}$	86		HLP068T4LC6	120U2014
		6	ZR72K*-TFD	$\frac{7}{8} \times \frac{1}{2}$	58	HLM072T4LC6 HLM075T4LC6	HLP075T4LC6	120U1766
		7	ZR81KC-TFD	$\frac{7}{8} \times \frac{3}{4}$	94	HLM078T4LC6 HLM081T4LC6	HLP081T4LC6	120U1781
		8	ZR94KC-TFD	$1 \frac{1}{8} \times \frac{7}{8}$	101	HCM094T4LC6	HCP094T4LC6	120U0601
		9	ZR108KC-TFD ZR11M3-TWD	$1 \frac{1}{8} \times \frac{7}{8}$	108	HCM109T4LC6	HCP109T4LC6	120U0376
		10	ZR12M3-TWD	$1 \frac{1}{8} \times \frac{7}{8}$	109	HCM120T4LC6	HCP120T4LC6	120U0401

¹ Compressor comes kitted with wire harness (Danfoss Code No. 120Z5056)

² Compressor comes kitted with wire harness (Danfoss Code No. 120Z5057)

Additional models may be available upon request.

Full range of models (refrigerants, tons, and voltage codes) available. Check Coolselector or visit our Online Datasheet Generator at www.danfoss.com/odsg.

Residential and Light Commercial Scroll Compressors

R-410A

Product Selection

Refrigerant	Motor Voltage	Tons (approx.)	Competitor Model No.	Solder ODF connection (in.)	Weight (lbs.)	OLD Danfoss Model	NEW Danfoss Model	
						Danfoss Model No.	Danfoss Model No.	Danfoss Code No.
R-410A	1: 200–230V/1/60Hz	2 ½	ZP29K*E-PFV ZP31K*E-PFV ZP32K*E-PFV	¾ × ½	70	HRH032U1LP6	HRH032U1LP6	120U3321¹
		3		¾ × ½	94	HRH038U1LP6	HRH036U1LP6	120U3322¹
		3 ¼		7⁄8 × ½	73	HRH040U1LP6	HRH040U1LP6	120U3323¹
		3 ¾		7⁄8 × ½	99		HRH044U1LP6	120U3324¹
		4		7⁄8 × ½	79	HRH048U1LP6	HRH048U1LP6	120U3325¹
		4 ½		7⁄8 × ½	82		HRH051U1LP6	120U3326¹
		5		7⁄8 × ½	90	HLH061T1LP6	HLH061T1LP6	120U3327¹
	2: 200–220/3/50Hz & 208–230V/3/60Hz	3 ¼	ZP36K*E-TF5 ZP38K*E-TF5 ZP41K*E-TF5	7⁄8 × ½	77	HRH040U2LP6	HRH040U2LP6	120U3328¹
		3 ¾	ZP44K*E-TF5	7⁄8 × ½	89		HRH044U2LP6	120U3329¹
		4	ZP51K*E-TF5	7⁄8 × ½	85		HRH051U2LP6	120U3330¹
		5		7⁄8 × ½	90	HLH061T2LC6	HLH061T2LC6	120U2062
		5 ½	ZP67KCE-TF5	7⁄8 × ½	89	HLH068T2LC6	HLH068T2LC6	120U1481
		6	ZP72KCE-TF5	7⁄8 × ½	96	HLJ072T2LC6	HLJ072T2LC6	120U1486
		7	ZP83KCE-TF5	7⁄8 × ½	96	HLJ083T2LC6	HLJ083T2LC6	120U1491
		7 ½	ZP90KCE-TF5	1 ½ × 7⁄8	102	H CJ090T2LC6	H CJ090T2LC6	120U2307
		8 ½	ZP103KCE-TF5	1 ½ × 7⁄8	104	H CJ105T2LC6	H CJ105T2LC6	120U2327
		10	ZP120KCE-TF5	1 ½ × 7⁄8	106	H CJ120T2LC6	H CJ120T2LC6	120U2347
	4: 380–415V/3/50Hz & 460V/3/60Hz	3 ¼	ZP36K*E-TFD ZP38K*E-TFD ZP41K*E-TFD	7⁄8 × ½	77	HRH036U4LP6 HRH038U4LP6 HRH040U4LP6	HRH040U4LP6	120U3331²
		3 ¾	ZP44K*E-TFD	7⁄8 × ½	77		HRH044U4LP6	120U3332²
		4	ZP51K*E-TFD	7⁄8 × ½	87		HRH051U4LP6	120U3333²
		5	ZP61KCE-TFD	7⁄8 × ½	96	HLH061T4LC6	HLH061T4LC6	120U2052
		5 ½	ZP67KCE-TFD	7⁄8 × ½	96	HLH068T4LC6	HLH068T4LC6	120U1391
		6	ZP72KCE-TFD	7⁄8 × ½	97	HLJ072T4LC6	HLJ072T4LC6	120U1396
		7	ZP83KCE-TFD	7⁄8 × ½	93	HLJ083T4LC6	HLJ083T4LC6	120U1401
		7 ½	ZP90K*E-TFD	1 ½ × 7⁄8	109	H CJ090T4LC6	H CJ090T4LC6	120U2302
		8 ½	ZP104KCE-TFD	1 ½ × 7⁄8	109	H CJ105T4LC6	H CJ105T4LC6	120U2322
		10	ZP120K*E-TFD	1 ½ × 7⁄8	164	H CJ120T4LC6	H CJ120T4LC6	120U2342

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