ENGINEERING TOMORROW

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	R-407C	1: 200–230V/1/60Hz	2	ZR25K-PFV	¾ × ½	73	HRM025T1LP6	HRP025T1LP6	**120U3307**[1]
			2 ½	ZR28K*-PFV ZR32K*-PFV	¾ × ½	75	HRM032U1LP6	HRM032U1LP6A	**120U3308**[1]
			3	ZR34K*-PFV ZR36K*-PFV	¾ × ½	75	HRM038U1LP6	HRM038U1LP6A	**120U3309**[1]
			3 ½	ZR40K*-PFV ZR42K*-PFV	¾ × ½	75	HRM040U1LP6 HRM042U1LP6	HRP042T1LP6	**120U3310**[1]
			4	ZR47K*-PFV	⅞ × ½	77	HRM047U1LP6	HRM047U1LP6A	**120U3311**[1]
			4 ½	ZR54K*-TF5	⅞ × ½	97	HRM054U1LP6	HRM054U1LP6A	**120U3312**[1]
			5	ZR57K*-PFV ZR61K*-PFV	⅞ × ½	97	HRM060U1LP6	HRP060T1LP6	**120U3313**[1]
		2: 200–220V/3/50Hz & 208–230V/3/60Hz	3 ½	ZR42K*-TF5	¾ × ½	75	HRM042U2LP6	HRM042U2LP6A	**120U3314**[1]
			4	ZR47K*-TF5	⅞ × ½	71	HRM047U2LP6	HRP047T2LP6	**120U3315**[1]
			4 ½	ZR54K*-TF5	⅞ × ½	93	HRM054U2LP6	HRM054U2LP6A	**120U3316**[1]
			5	ZR57K*-TF5 ZR61K*-TF5	⅞ × ½	93	HRM060U2LP6	HRP060T2LP6	**120U3317**[1]
			5 ½		⅞ × ½	85		HLM068T2LC6A	**120U3276**
			6	ZR72K*-TF5	⅞ × ½	95	HLM072T2LC6 HLM075T2LC6	HLP075T2LC6	**120U3098**
			7	ZR81KC-TF5	⅞ × ¾	91	HLM081T2LC6	HLP081T2LC6	**120U1916**
			8	ZR94KC-TF5	1 ⅛ × ⅞	108	HCM094T2LC6	HCP094T2LC6	**120U0906**
			10	ZR125KC-TF5 ZR12M3*-TWC	1 ⅛ × ⅞	106	HCM120T2LC6	HCP120T2LC6	**120U0766**
		4: 380–415V/3/50Hz & 460V/3/60Hz	4	ZR47K*-TFD	⅞ × ½	82	HRM047U4LP6	HRP047T4LP6	**120U3318**[2]
			4 ½	ZR54K*-TFD	⅞ × ½	89	HRM054U4LP6	HRP054T4LP6	**120U3319**[2]
			5	ZR57K*-TFD ZR61K*-TFD	⅞ × ½	88	HRM058U4LP6 HRM060U4LP6	HRP060T4LP6	**120U3320**[2]
			5 ½		⅞ × ½	86		HLP068T4LC6	**120U2014**
			6	ZR72K*-TFD	⅞ × ½	58	HLM072T4LC6 HLM075T4LC6	HLP075T4LC6	**120U1766**
			7	ZR81KC-TFD	⅞ × ¾	94	HLM078T4LC6 HLM081T4LC6	HLP081T4LC6	**120U1781**
			8	ZR94KC-TFD	1 ⅛ × ⅞	101	HCM094T4LC6	HCP094T4LC6	**120U0601**
			9	ZR108KC-TFD ZR11M3-TWD	1 ⅛ × ⅞	108	HCM109T4LC6	HCP109T4LC6	**120U0376**
			10	ZR12M3-TWD	1 ⅛ × ⅞	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.

ENGINEERING TOMORROW

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	**120U3321**[1]
		3		¾ × ½	94	HRH038U1LP6	HRH036U1LP6	**120U3322**[1]
		3 ¼		⅞ × ½	73	HRH040U1LP6	HRH040U1LP6	**120U3323**[1]
		3 ¾		⅞ × ½	99		HRH044U1LP6	**120U3324**[1]
		4		⅞ × ½	79	HRH048U1LP6	HRH048U1LP6	**120U3325**[1]
		4 ½		⅞ × ½	82		HRH051U1LP6	**120U3326**[1]
		5		⅞ × ½	90	HLH061T1LP6	HLH061T1LP6	**120U3327**[1]
	2: 200–220/3/50Hz & 208–230V/3/60Hz	3 ¼	ZP36K*E-TF5 ZP38K*E-TF5 ZP41K*E-TF5	⅞ × ½	77	HRH040U2LP6	HRH040U2LP6	**120U3328**[1]
		3 ¾	ZP44K*E-TF5	⅞ × ½	89		HRH044U2LP6	**120U3329**[1]
		4	ZP51K*E-TF5	⅞ × ½	85		HRH051U2LP6	**120U3330**[1]
		5		⅞ × ½	90	HLH061T2LC6	HLH061T2LC6	**120U2062**
		5 ½	ZP67KCE-TF5	⅞ × ½	89	HLH068T2LC6	HLH068T2LC6	**120U1481**
		6	ZP72KCE-TF5	⅞ × ½	96	HLJ072T2LC6	HLJ072T2LC6	**120U1486**
		7	ZP83KCE-TF5	⅞ × ½	96	HLJ083T2LC6	HLJ083T2LC6	**120U1491**
		7 ½	ZP90KCE-TF5	1 ⅛ × ⅞	102	HCJ090T2LC6	HCJ090T2LC6	**120U2307**
		8 ½	ZP103KCE-TF5	1 ⅛ × ⅞	104	HCJ105T2LC6	HCJ105T2LC6	**120U2327**
		10	ZP120KCE-TF5	1 ⅛ × ⅞	106	HCJ120T2LC6	HCJ120T2LC6	**120U2347**
	4: 380–415V/3/50Hz & 460V/3/60Hz	3 ¼	ZP36K*E-TFD ZP38K*E-TFD ZP41K*E-TFD	⅞ × ½	77	HRH036U4LP6 HRH038U4LP6 HRH040U4LP6	HRH040U4LP6	**120U3331**[2]
		3 ¾	ZP44K*E-TFD	⅞ × ½	77		HRH044U4LP6	**120U3332**[2]
		4	ZP51K*E-TFD	⅞ × ½	87		HRH051U4LP6	**120U3333**[2]
		5	ZP61KCE-TFD	⅞ × ½	96	HLH061T4LC6	HLH061T4LC6	**120U2052**
		5 ½	ZP67KCE-TFD	⅞ × ½	96	HLH068T4LC6	HLH068T4LC6	**120U1391**
		6	ZP72KCE-TFD	⅞ × ½	97	HLJ072T4LC6	HLJ072T4LC6	**120U1396**
		7	ZP83KCE-TFD	⅞ × ½	93	HLJ083T4LC6	HLJ083T4LC6	**120U1401**
		7 ½	ZP90K*E-TFD	1 ⅛ × ⅞	109	HCJ090T4LC6	HCJ090T4LC6	**120U2302**
		8 ½	ZP104KCE-TFD	1 ⅛ × ⅞	109	HCJ105T4LC6	HCJ105T4LC6	**120U2322**
		10	ZP120K*E-TFD	1 ⅛ × ⅞	164	HCJ120T4LC6	HCJ120T4LC6	**120U2342**

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