

# Danfoss Scrolls H, SH, DSH and DSF series

## R410A - 400V / 3 ~ / 50Hz

Model	Nominal cooling capacity	50 Hz, EN12900 ratings	
		Cooling capacity	Efficiency
	TR - 60Hz	W	COP in W/W
HRH029	2.4	6,300	2.86
HRH031	2.6	6,700	2.77
HRH032	2.7	6,800	2.77
HRH034	2.8	7,500	2.88
HRH036	3.0	7,800	2.79
HRH038	3.2	8,200	2.72
HRH040	3.3	9,000	2.79
HRH041	3.3	8,900	2.88
HRH044	3.7	9,600	2.77
HRH049	4.1	10,700	2.96
HRH051	4.3	11,400	3.01
HRH054	4.5	11,900	2.96
HRH056	4.7	12,300	2.98
HLH061	5.1	13,200	3.01
HLH068	5.7	15,000	3.11
HLJ072	6.0	15,800	3.11
HLJ075	6.3	16,500	3.12
HLJ083	6.9	18,200	3.13
DCJ091	7.5	19,600	3.09
DCJ106	8.8	23,000	3.12
DCJ121	10	26,250	3.11
DSH090	7.5	20,050	3.06
DSH105	9	23,580	3.08
DSH120	10	26,790	3.11
DSH140	12	30,370	3.13
DSH161	13	34,890	3.16
DSH184	15	39,040	3.16
DSH240	20	52,730	3.10
DSH295	25	64,520	3.17
DSH381	32	81,490	3.11
DSH485	40	103,530	3.16
DSH600	50	128,860	3.18

## R454B - 400V / 3 ~ / 50Hz

Model	50 Hz, EN12900 ratings	
	Cooling capacity	Efficiency
	W	COP in W/W
DSH090	19,350	3.05
DSH105	22,940	3.18
DSH120	26,220	3.23
DSH140	29,880	3.24
DSH161	34,150	3.28
DSH184	37,930	3.26
DSH240	51,570	3.25
DSH295	63,310	3.32
DSH381	78,860	3.19
DSH485	101,650	3.34

## R32 - 400V / 3 ~ / 50Hz

Model	50 Hz, EN12900 ratings	
	Cooling capacity	Efficiency
	W	COP in W/W
DSF270	60,040	3.34
DSF325	72,500	3.37
DSF485	107,100	3.38
DSF530	117,000	3.41

### Data given for Code 4: 400V - 50Hz

Net weight with oil charge  
 TR = Ton of Refrigeration  
 COP = Coefficient Of Performance,  
 400V / 3ph / 50Hz  
 EER = Energy Efficiency Ratio,  
 460V / 3ph / 60Hz  
**EN12900:** evap. temp. 5 °C/41°F; cond.  
 temp. 50 °C/122°F; superheat: 10 K/18°F;  
 subcooling: 0 K

Ready for

**GWP**  
**<750**

refrigerants: R452B,  
 R454B and R32.



For full data details, capacity tables or use with other refrigerants, please refer to the Coolselector®2: [coolselector.danfoss.com](http://coolselector.danfoss.com)

# Danfoss Scrolls H, SH and DSH series

## R410A - 460V / 3~ / 60Hz

Model	Nominal cooling capacity	60 Hz, ARI ratings			
		Cooling Capacity		Efficiency	
		TR - 60Hz	W	Btu/h	COP in W/W
HRH029	2.4	8,500	29,000	2.99	10.20
HRH031	2.6	9,100	31,100	2.99	10.20
HRH032	2.7	9,400	32,100	3.02	10.31
HRH034	2.8	10,100	34,500	2.99	10.20
HRH036	3.0	10,400	35,500	2.99	10.20
HRH038	3.2	11,100	37,900	2.93	10.00
HRH040	3.3	12,200	41,600	3.02	10.31
HRH041	3.3	12,100	41,300	2.99	10.20
HRH044	3.7	13,000	44,400	3.02	10.31
HRH049	4.1	14,300	48,800	3.08	10.51
HRH051	4.3	15,200	51,900	3.14	10.72
HRH054	4.5	16,000	54,600	3.11	10.61
HRH056	4.7	16,700	57,000	3.11	10.61
H LH061	5.1	18,100	61,800	3.17	10.82
H LH068	5.7	20,100	68,600	3.20	10.92
H LJ072	6.0	21,200	72,400	3.19	10.89
H LJ075	6.3	22,300	76,100	3.25	11.09
H LJ083	6.9	24,300	82,900	3.22	10.99
DCJ091	7.5	27,100	92,500	3.23	11.01
DCJ106	8.8	31,500	107,400	3.25	11.11
DCJ121	10	35,700	121,900	3.21	10.96
DSH090	7.5	27,470	93,800	3.21	10.96
DSH105	9	32,280	110,200	3.22	11.00
DSH120	10	36,630	125,000	3.26	11.11
DSH140	12	41,510	141,700	3.26	11.12
DSH161	13	47,220	161,200	3.21	10.96
DSH184	15	53,160	181,400	3.25	11.09
DSH240	20	71,720	244,800	3.20	10.91
DSH295	25	87,570	298,900	3.25	11.09
DSH381	32	110,210	376,200	3.20	10.91
DSH485	40	141,850	484,100	3.25	11.10
DSH600	50	189,860	601,610	3.27	11.15

## R454B - 460V / 3~ / 60Hz

DSH090	-	19,350	66,010	3.05	10.41
DSH105	-	22,940	78,270	3.18	10.85
DSH120	-	26,220	89,470	3.23	11.02
DSH140	-	29,880	101,950	3.24	11.06
DSH161	-	34,150	116,530	3.28	11.19
DSH184	-	37,930	129,410	3.26	11.12
DSH240	-	51,570	175,970	3.25	11.09
DSH295	-	63,310	216,020	3.32	11.33
DSH381	-	78,860	269,080	3.19	10.88
DSH485	-	101,650	346,850	3.34	11.40

Ready for

**GWP**

**<750**

refrigerants: R454B,  
R32 in development

### Data given for Code 4: 460V - 60Hz: 3 phases.

Net weight with oil charge  
 TR = Ton of Refrigeration  
 COP = Coefficient Of Performance,  
 400V / 3ph / 50Hz  
 EER = Energy Efficiency Ratio, 460V /  
 3ph / 60Hz

**ARI:** evap. temp. 7.2 °C/45°F; cond. temp.  
 54.4 °C/130°F; superheat 11.1 K/20°F;  
 subcooling 8.3 K/15°F



For full data details, capacity tables or use with other refrigerants, please refer to the Coolselector®2:  
[coolselector.danfoss.com](http://coolselector.danfoss.com)