

Technical specifications

50-60 Hz data

Model	Nominal tons 60 Hz	Nominal cooling capacity		Power input	COP	E.E.R	Swept volume	Displacement	Oil charge	Net weight	
	TR	W	Btu/h	kW	W/W	Btu/h/W	cm ³ /rev	m ³ /h	dm ³	kg	
50Hz	HRP025T4	2.0	5730	19 570	1.86	3.08	10.5	34.1	5.90	1.06	32
	HRP034T4	2.8	7 940	27 080	2.68	2.96	10.1	46.2	8.03	1.06	32
	HRP038T4	3.2	8 840	30 150	2.82	3.14	10.7	51.6	8.98	1.06	32
	HRP040T4	3.3	9 110	31 080	3.14	2.90	9.9	54.4	9.47	1.06	32
	HRP042T4	3.5	9 580	32 680	3.30	2.90	9.9	57.2	9.95	1.06	32
	HRP045T4	3.8	10 810	36 890	3.58	3.02	10.3	61.5	10.69	1.33	32
	HRP047T4	3.9	11 130	37 980	3.69	3.02	10.3	64.1	11.15	1.33	32
	HRP048T4	4.0	11 100	37 880	3.35	3.31	11.3	64.4	11.21	1.57	39
	HRP051T4	4.3	12 120	41 370	3.83	3.17	10.8	68.8	11.98	1.57	39
	HRP054T4	4.5	12 570	42 880	3.97	3.17	10.8	72.8	12.66	1.57	41
	HRP058T4	4.8	13 470	45 970	4.25	3.17	10.8	78.2	13.60	1.57	41
	HRP060T4	5.0	13 860	47 280	4.26	3.25	11.1	81.0	14.09	1.57	41
	HLP068T4	5.7	15 700	53 560	5.10	3.08	10.5	93.1	16.20	1.57	41
	HLP072T4	6.0	16 620	56 740	5.30	3.14	10.7	98.7	17.17	1.57	41
	HLP075T4	6.3	18 040	61 550	5.54	3.26	11.1	102.8	17.88	1.57	41
	HLP081T4	6.8	19 480	66 510	5.99	3.25	11.1	110.9	19.30	1.57	41
	HCP094T4	7.8	21 590	73 660	6.63	3.26	11.1	126.0	21.93	2.66	47
	HCP109T4	9.1	26 060	88 950	7.93	3.28	11.2	148.8	25.89	2.66	47
HCP120T4	10.0	28 150	96 080	8.88	3.17	10.8	162.4	28.26	2.66	47	
60Hz	HRP025T4	2.0	6880	23 490	2.22	3.11	10.6	34.1	7.12	1.06	32
	HRP034T4	2.8	9580	32 700	3.20	3.00	10.2	46.2	9.69	1.06	32
	HRP038T4	3.2	10 670	36 410	3.36	3.18	10.8	46.2	10.84	1.06	32
	HRP040T4	3.3	10 990	37 510	3.70	2.97	10.1	54.4	11.43	1.06	32
	HRP042T4	3.5	11 560	39 460	3.93	2.94	10.0	57.2	12.01	1.06	32
	HRP045T4	3.8	13 050	44 540	4.27	3.06	10.4	61.5	12.9	1.33	32
	HRP047T4	3.9	12 690	43 300	4.24	3.00	10.2	64.1	13.46	1.33	32
	HRP048T4	4.0	13 400	45 740	3.99	3.36	11.5	64.4	13.53	1.57	39
	HRP051T4	4.3	14 380	49 080	4.46	3.23	11.0	68.8	14.46	1.57	39
	HRP054T4	4.5	15 120	51 770	4.73	3.21	11.0	72.8	15.28	1.57	41
	HRP058T4	4.8	16 260	55 510	5.07	3.17	10.8	78.2	16.41	1.57	41
	HRP060T4	5.0	16 720	57 010	5.07	3.30	11.3	81.0	17.01	1.57	41
	HLP068T4	5.7	18 950	64 660	6.08	3.12	10.6	93.1	19.55	1.57	41
	HLP072T4	6.0	20 060	68 480	6.32	3.17	10.8	98.7	20.72	1.57	41
	HLP075T4	6.3	21 770	74 330	6.60	3.30	11.3	102.8	21.58	1.57	41
	HLP081T4	6.8	23 380	79 810	7.14	3.27	11.2	110.9	23.29	1.57	41
	HCP094T4	7.8	26 060	88 950	7.90	3.30	11.3	126.0	26.47	2.66	47
	HCP109T4	9.1	31 450	107 350	9.46	3.32	11.3	148.8	31.25	2.66	47
HCP120T4	10.0	33 970	115 960	10.59	3.21	11.0	162.4	34.11	2.66	47	

① Displacement at nominal speed: 2900 rpm at 50 Hz, 3500 rpm at 60 Hz

② Net weight with oil charge

TR = Ton of Refrigeration

COP = Coefficient Of Performance

EER = Energy Efficiency Ratio

Standard rating conditions: ARI standard

Refrigerant: R407C

Superheat: 11.1 K

Evaporating temperature: 7.2 °C

Condensing temperature: 54.4 °C

Sub-cooling: 8.3 K

All performance test data after run-in 72hr

Subject to modification without prior notification

Data given for motor code 4 compressor, for full data details and capacity tables refer to Online Datasheet Generator: www.danfoss.com/odsg