



HC HEAT-EXCHANGERS

people who understand your needs.

***Bitzer Friga Pack
Catalogue***



Model Designations

HCP - Compressor Model - X X X

Coil Row Depth

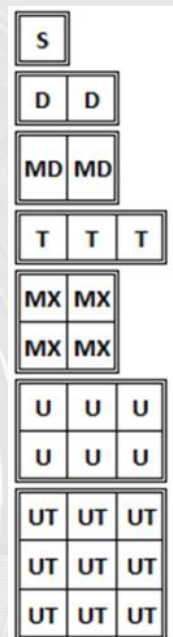
2	=	2 Rows
3	=	3 Rows
4	=	4 Rows

Number of Fans

S	=	Single Fan
D	=	Double Fan
T	=	Triple Fan
MD	=	Midi Double
MX	=	2 x Double Stack
U	=	2 x Triple Stack
UT	=	3 x Triple Stack

Fan Diameter

3	=	350 mm
4	=	400 mm
5	=	500 mm





Performance Data for HCP Pack Units

Med Temperature R404a

Performance Data in kW Rated Temperatures in °C			Performance Data based on EN 12900 and 50Hz operation								Suction Gas Temperature : 20°C Liquid Subcooling : 0°C					
Compressor	Pack	Amb	-20		-15		-10		-5		0		5		7.5	
			T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW
2HES-2Y	2S3	30	37.9	2.28	39.0	2.81	40.3	3.40	41.6	4.05	43.0	4.77	44.5	5.56	45.5	5.95
	2S3	34	41.4	2.11	42.5	2.60	43.6	3.16	44.9	3.77	46.3	4.46	47.8	5.19	48.4	5.60
	3S4	38	42.2	2.08	42.7	2.59	43.4	3.18	44.2	3.84	45.0	4.58	45.9	5.40	46.4	5.84
2GES-2Y	2S3	30	38.9	2.60	40.3	3.17	41.5	3.81	43.0	4.51	44.5	5.29	46.3	6.12	47.3	6.54
	3S3	34	40.9	2.49	41.9	3.06	43.1	3.69	44.3	4.39	45.6	5.17	46.9	6.03	47.8	6.47
	2S5	38	42.6	2.41	43.2	2.98	43.8	3.64	44.5	4.38	45.2	5.21	46.1	6.14	46.4	6.65
2FES-3Y	2S3	30	40.5	3.10	42.0	3.76	43.8	4.48	45.3	5.30	47.3	6.13	49.0	7.06	50.0	7.54
	2S4	34	41.3	3.04	42.4	3.73	43.5	4.50	44.8	5.35	46.1	6.28	47.6	7.30	48.3	7.83
	2S4	38	41.3	3.04	42.4	3.73	43.5	4.50	44.7	5.36	46.1	6.28	47.5	7.32	51.5	7.27
2EES-3Y	2S4	30	39.3	4.13	40.8	5.02	42.3	6.01	43.8	7.11	45.5	8.29	47.3	9.57	48.3	10.23
	3S4	34	41.2	3.97	42.3	4.86	43.5	5.85	44.8	6.95	46.2	8.16	47.7	9.48	48.6	10.16
	3S5	38	43.2	3.80	43.9	4.69	44.7	5.70	45.6	6.83	46.5	8.10	47.6	9.50	48.2	10.23
2DES-3Y	3S4	30	38.9	5.00	40.3	6.08	41.8	7.28	43.3	8.58	45.0	10.00	46.8	11.54	47.8	12.33
	4S4	34	41.6	4.74	42.8	5.78	44.1	6.93	45.5	8.20	47.0	9.59	48.5	11.11	49.4	11.88
	4S5	38	43.4	4.56	44.2	5.61	45.0	6.79	46.0	8.11	47.0	9.58	48.1	11.21	48.8	12.05
2CES-4Y	3S4	30	40.7	6.03	42.3	7.26	44.0	8.60	45.8	10.07	47.6	11.65	49.5	13.36	50.6	14.21
	3S5	34	41.7	5.91	42.8	7.18	44.0	8.60	45.3	10.17	46.6	11.91	48.0	13.81	48.9	14.77
	3D4	38	42.9	5.77	43.6	7.06	44.4	8.53	45.3	10.17	46.2	12.00	47.2	14.03	47.8	15.10
4FES-5Y	4S4	30	40.4	6.48	42.0	7.84	43.7	9.34	45.4	10.98	47.3	12.77	49.3	14.69	50.3	15.68
	2D4	34	40.8	6.44	41.8	7.87	42.9	9.49	44.1	11.31	45.3	13.34	46.7	15.57	47.5	16.74
	3D4	38	43.2	6.13	44.0	7.52	44.8	9.11	45.8	10.90	46.8	12.92	47.9	15.16	48.6	16.33
4EES-6Y	3S5	30	40.4	8.07	41.9	9.80	43.5	11.74	45.3	13.87	47.1	16.19	48.9	18.72	50.1	19.98
	3D4	34	40.7	8.03	41.7	9.84	42.9	11.89	44.1	14.20	45.5	16.75	46.9	19.58	47.4	21.17
	3D5	38	42.6	7.72	43.3	9.54	44.0	11.62	44.8	14.00	45.7	16.68	46.6	19.69	47.2	21.28

Modular Pack Inc. : Drier, Sight Glass, Oil Separator, Pressure switches (multiple fan models), Accumulator (LT only), Vibration Eliminators, Oil Protection Switch (model specific) and Standard Pack Electrics (model specific).

Optional Extras : any extra switchgear, Danfoss / Eliwell / Carel Controller and Fan Speed Controller on Single Fan Packs





Performance Data for HCP Pack Units										Med Temperature R404a							
Performance Data in kW Rated Temperatures in ° C					Performance Data based on EN 12900 and 50Hz operation						Suction Gas Temperature : 20°C Liquid Subcooling : 0°C						
Compressor	Pack	Amb	-20		-15		-10		-5		0		5		7.5		
			T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	
4DES-7Y	2D4	30	40.1	9.87	41.6	11.96	43.3	14.29	44.9	16.88	46.8	19.69	48.7	22.79	49.8	24.34	
	2D5	34	41.2	9.67	42.2	11.84	43.2	14.30	44.4	17.07	45.7	20.16	47.0	23.60	47.8	25.36	
	3D5	38	43.4	9.26	44.2	11.37	45.0	13.79	46.0	16.54	47.0	19.64	48.0	23.10	48.7	24.90	
4CES-9Y	3D4	30	39.7	11.96	41.3	14.52	42.9	17.39	44.7	20.58	46.6	24.08	48.6	27.90	49.7	29.87	
	3D5	34	40.8	11.72	41.8	14.38	42.8	17.42	44.0	20.84	45.3	24.67	46.7	28.93	47.5	31.15	
	3MD5	38	42.7	11.27	43.4	13.92	44.2	16.96	45.1	20.43	46.0	24.35	47.0	28.74	47.7	31.07	
4VES-10Y	3D4	30	39.7	12.13	41.4	14.85	43.1	17.91	45.0	21.28	47.0	24.97	49.1	28.99	50.3	31.05	
	3D5	34	40.8	11.87	41.8	14.71	43.0	17.97	44.3	21.62	45.6	25.71	47.1	30.24	49.5	31.59	
	3MD5	38	42.7	11.37	43.5	14.21	44.3	17.47	45.2	21.18	46.2	25.39	47.3	30.10	49.2	31.79	
4TES-12Y	2D5	30	40.4	14.65	41.9	17.89	43.6	21.56	45.3	25.62	47.3	30.05	49.2	34.94	50.4	37.39	
	4D5	34	41.2	14.41	42.3	17.76	43.6	21.55	44.9	25.82	46.4	30.57	48.0	35.82	48.9	38.55	
	3MD5	38	43.6	13.69	44.5	16.96	45.5	20.71	46.5	24.97	47.7	29.77	49.0	35.12	49.7	37.92	
4PES-15Y	3D5	30	39.3	16.78	40.8	20.66	42.4	25.03	44.2	29.89	46.0	35.29	48.0	41.12	49.1	44.14	
	2T5	34	41.5	16.00	42.6	19.87	43.9	24.25	45.3	29.21	46.7	34.75	48.3	40.88	49.3	44.02	
	3MX5	38	42.6	15.59	43.3	19.56	44.1	24.13	45.0	29.36	46.0	35.29	47.1	41.96	47.8	45.44	
4NES-20Y	4D5	30	39.8	20.22	41.4	24.69	43.1	29.68	44.9	35.23	46.9	41.31	48.9	47.99	50.0	51.43	
	2MX5	34	41.2	19.68	42.2	24.28	43.4	29.51	44.7	35.43	46.0	42.06	47.5	49.42	48.4	53.19	
	2U5	38	42.7	19.07	43.3	23.72	44.1	29.10	44.9	35.26	45.8	42.25	46.7	50.13	47.4	54.26	
4JE-22J	2T5	30	40.3	22.74	41.8	27.71	43.3	33.28	45.0	39.42	46.8	46.11	48.8	53.36	49.9	57.05	
	4T5	34	41.1	22.36	42.2	27.47	43.4	33.23	44.7	39.64	46.1	46.78	47.6	54.61	48.6	58.63	
	3U5	38	42.2	21.84	42.8	27.14	43.4	33.21	44.2	40.10	45.0	47.86	45.8	56.58	46.4	61.15	
4HE-25Y	2MX5	30	39.7	27.43	41.1	33.36	42.6	39.93	44.1	47.23	45.8	55.21	47.6	63.93	48.6	42.70	
	3MX5	34	41.4	26.53	42.5	32.41	43.7	39.02	45.0	46.39	46.4	54.58	47.9	63.55	48.8	68.16	
	3U5	38	42.8	25.80	43.5	31.79	44.2	38.62	45.1	46.34	45.4	55.01	47.0	64.69	47.6	69.76	

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Optional Extras : any extra switchgear, Danfoss / Eliwell / Carel Controller and Fan Speed Controller on Single Fan Packs





Performance Data for HCP Modular Units

Med Temperature R404a

Performance Data in kW Rated Temperatures in °C			Performance Data based on EN 12900 and 50Hz operation								Suction Gas Temperature : 20°C Liquid Subcooling : 0°C					
Compressor	Pack	Amb	-20		-15		-10		-5		0		5		7.5	
			T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW
4GE-30Y	2MX5	30	40.9	30.97	42.4	37.45	44.0	44.60	45.7	52.50	47.5	61.07	49.4	70.28	50.5	75.04
	4MX5	34	41.5	30.58	42.7	37.23	43.9	44.67	45.2	52.99	46.7	62.12	48.2	72.16	49.1	77.37
	4U5	38	42.8	29.79	43.5	36.59	44.3	44.31	45.2	53.03	46.1	62.83	47.2	73.71	47.8	79.43
4FE-35Y	3MX5	30	40.5	38.01	42.0	45.69	43.6	54.18	45.3	63.41	47.0	73.44	48.8	84.25	49.8	89.74
	3U5	34	40.8	37.78	41.8	45.84	42.9	54.91	44.0	64.98	45.2	76.14	46.5	88.37	47.3	94.67
	3UT5	38	42.6	36.56	43.2	44.66	43.9	53.84	44.6	64.19	45.5	75.77	46.3	88.69	46.9	95.40
6JE-33Y	2U5	30	38.1	35.06	39.3	43.02	40.5	52.03	41.9	62.09	43.3	73.30	44.9	85.62	45.9	91.90
	2U5	34	41.6	32.68	42.7	40.20	43.8	48.74	45.2	58.26	46.5	68.91	48.0	80.65	48.9	86.67
	2UT5	38	43.1	31.63	43.8	39.26	44.6	47.98	45.5	57.91	46.4	69.09	47.4	81.57	48.1	88.05
6HE-35Y	2U5	30	39.3	40.63	40.6	49.45	42.0	59.29	43.5	70.21	45.1	82.29	46.8	95.43	47.8	102.05
	3U5	34	41.1	39.27	42.2	47.99	43.3	57.85	44.5	68.86	45.8	81.09	47.2	94.63	48.1	101.56
	3UT5	38	42.8	37.97	43.4	46.79	44.2	56.83	45.0	68.22	45.9	81.03	46.8	95.32	47.5	102.79
6GE-40Y	2U5	30	40.4	45.68	41.8	55.25	43.3	65.83	44.9	77.50	46.7	90.11	48.1	103.92	49.5	110.84
	2UT5	34	41.0	45.14	42.0	55.06	43.0	66.24	44.2	78.70	45.4	92.55	46.6	107.85	47.5	115.53
	4UT5	38	42.8	43.65	43.4	53.52	44.2	64.73	45.1	77.36	45.9	91.54	46.9	107.26	47.5	115.46

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Optional Extras : any extra switchgear, Danfoss / Eliwell / Carel Controller and Fan Speed Controller on Single Fan Packs





Technical Data - Med Temperature R404a

Model #	Compressor	HCP #	Fan		Receiver Volume (Lts)	Dimensions (mm)			Copper Connections		Compressor (Amps)		Fan Amps	Sound Level (dB (A) @ 5 mt)
			Qty	∅ mm		L	D	H	Suction	Liquid	FLA	LRA		
HCP-2HES-2Y-2S3	2HES-2Y	2S3	1	350	9	750	1000	953	5/8	1/2	4.5	22.5	0.42	55.6
HCP-2HES-2Y-3S4		3S4	1	400	9	750	1000	953					0.73	
HCP-2GES-2Y-2S3	2GES-2Y	2S3	1	350	9	750	1000	953	5/8	1/2	5.0	22.5	0.42	54.8
HCP-2GES-2Y-3S3		3S3	1	350	9	750	1000	953					0.42	
HCP-2GES-2Y-2S5		2S5	1	500	9	750	1000	953					1.65	
HCP-2FES-3Y-2S3	2FES-3Y	2S3	1	350	9	750	1000	953	5/8	1/2	6.1	25.5	0.42	57.6
HCP-2FES-3Y-2S4		2S4	1	400	9	750	1000	953					0.73	
HCP-2EES-3Y-2S4	2EES-3Y	2S4	1	400	9	750	1000	953	7/8	5/8	7.5	37.0	0.73	57.6
HCP-2EES-3Y-3S4		3S4	1	400	9	750	1000	953					0.73	
HCP-2EES-3Y-3S5		3S5	1	500	9	750	1000	953					1.65	
HCP-2DES-3Y-3S4	2DES-3Y	3S4	1	400	9	750	1000	953	7/8	5/8	8.6	37.0	0.73	57.6
HCP-2DES-3Y-4S4		4S4	1	400	9	750	1000	953					0.73	
HCP-2DES-3Y-4S5		4S5	1	500	9	750	1000	953					1.65	
HCP-2CES-4Y-3S4	2CES-4Y	3S4	1	400	9	750	1000	953	7/8	5/8	10.0	42.2	0.73	60.8
HCP-2CES-4Y-3S5		3S5	1	500	9	750	1000	953					1.65	
HCP-2CES-4Y-3D4		3D4	2	400	18	1505	1000	953					1.46	
HCP-4FES-5Y-4S4	4FES-5Y	4S4	1	400	9	750	1000	953	7/8	5/8	10.8	62.2	0.73	60.5
HCP-4FES-5Y-2D4		2D4	2	400	18	1505	1000	953					1.46	
HCP-4FES-5Y-3D4		3D4	2	400	18	1505	1000	953					1.46	





Technical Data - Med Temperature R404a

Model #	Compressor	HCP #	Fan		Receiver Volume (Lts)	Dimensions (mm)			Copper Connections		Compressor (Amps)		Fan Amps	Sound Level (dB (A) @ 5 mt)
			Qty	Ø mm		L	D	H	Suc-tion	Liquid	FLA	LRA		
HCP-4EES-6Y-3S5	4EES-6Y	3S5	1	500	9	750	1000	953	1 1/8	5/8	13.6	62.2	1.65	60.8
HCP-4EES-6Y-3D4		3D4	2	400	18	1505	1000	953					1.46	
HCP-4EES-6Y-3D5		3D5	2	500	18	1505	1000	953					3.30	
HCP-4DES-7Y-2D4	4DES-7Y	2D4	2	400	18	1505	1000	953	1 1/8	7/8	16.5	82.4	1.46	60.8
HCP-4DES-7Y-2D5		2D5	2	500	18	1505	1000	953					3.30	
HCP-4DES-7Y-3D5		3D5	2	500	18	1505	1000	953					3.30	
HCP-4CES-9Y-3D4	4CES-9Y	3D4	2	400	18	1505	1000	953	1 1/8	7/8	20.2	82.4	1.46	64.0
HCP-4CES-9Y-3D5		3D5	2	500	18	1505	1000	953					3.30	
HCP-4CES-9Y-3MD5		3MD5	2	500	21	1505	1000	1378					3.30	
HCP-4VES-10Y-3D4	4PES-10Y	3D4	2	400	18	1505	1000	953	1 1/8	7/8	19.9	59 A Y	1.46	59.6
HCP-4VES-10Y-3D5		3D5	2	500	18	1505	1000	953					3.30	
HCP-4VES-10Y-3MD5		3MD5	2	500	21	1505	1000	1378					3.30	
HCP-4TES-12Y-2D5	4TES-12Y	2D5	2	500	18	1505	1000	953	1 3/8	1 1/8	25.1	69 A Y	3.30	60.6
HCP-4TES-12Y-4D5		4D5	2	500	18	1505	1000	953					3.30	
HCP-4TES-12Y-3MD5		3MD5	2	500	21	1505	1000	1378					3.30	
HCP-4PES-15Y-3D5	4PES-15Y	3D5	2	500	18	1505	1000	953	1 5/8	1 1/8	28.2	81 A Y	3.30	80.5
HCP-4PES-15Y-2T5		2T5	3	500	30	2260	1000	953					4.95	
HCP-4PES-15Y-3MX5		3MX5	4	500	30	1505	1000	1803					6.60	





Technical Data - Med Temperature R404a

Technical Data - Med Temperature R404a														
Model #	Compressor	Pack	Fan		Receiver Volume (Lts)	Dimensions (mm)			Copper Connections		Compressor (Amps)		Fan Amps	Sound Level (dB (A) @ 5 mt)
			Qty	Ø mm		L	D	H	Suction	Liquid	FLA	LRA		
HCP-4NES-20Y-4D5	4NES-20Y	4D5	2	500	18	1505	1000	953					3.30	81.7
HCP-4NES-20Y-2MX5		2MX5	4	500	30	1505	1000	1803	1 5/8	1 1/8	33.2	97 A Y	6.60	
HCP-4NES-20Y-2U5		2U5	6	500	50	2260	1000	1803					9.90	
HCP-4JE-22Y-2T5	4JE-22Y	2T5	3	500	30	2260	1000	953					4.95	80.6
HCP-4JE-22Y-4T5		4T5	3	500	30	2260	1000	953	1 5/8	1 1/8	37.2	97 A Y	4.95	
HCP-4JE-22Y-3U5		3U5	6	500	50	2260	1000	1803					9.90	
HCP-4HE-25Y-2MX5	4HE-25Y	2MX5	4	500	30	1505	1000	1803					6.60	80.6
HCP-4HE-25Y-3MX5		3MX5	4	500	30	1505	1000	1803	2 1/8	1 1/8	44.0	125 A Y	6.60	
HCP-4HE-25Y-3U5		3U5	6	500	50	2260	1000	1803					9.90	
HCP-4GE30Y-2MX5	4GE-30Y	2MX5	4	500	30	1505	1000	1803					6.60	84.5
HCP-4GE30Y-4MX5		4MX5	4	500	30	1505	1000	1803	2 1/8	1 1/8	51.2	141 A Y	6.60	
HCP-4GE30Y-4U5		4U5	6	500	50	2260	1000	1803					9.90	
HCP-4FE-35Y-3MX5	4FE-35Y	3MX5	4	500	30	1505	1000	1803					6.60	83.7
HCP-4FE-35Y-3U5		3U5	6	500	50	2260	1000	1803	2 1/8	1 1/8	62.1	141 A Y	9.90	
HCP-4FE-35Y-3UT5		3UT5	9	500	50	2260	1000	2653					14.85	
HCP-6JE-33Y-2U5	6JE-33Y	2U5	6	500	50	2260	1000	1803					9.90	83.7
HCP-6JE-33Y-2U5		2U5	6	500	50	2260	1000	1803	2 1/8	1 3/8	53.2	165 A Y	9.90	
HCP-6JE-33Y-2UT5		2UT5	9	500	50	2260	1000	2653					14.85	

Technical Data - Med Temperature R404a

Model #	Compressor	Pack	Fan		Receiver Volume (Lts)	Dimensions (mm)			Copper Connections		Compressor (Amps)		Fan Amps	Sound Level (dB (A) @ 5 mt)
			Qty	∅ mm		L	D	H	Suction	Liquid	FLA	LRA		
HCP-6HE-35Y-2U5	6HE-35Y	2U5	6	500	50	2260	1000	1803	2 1/8	1 3/8	64.4	165 A Y	9.90	84.5
HCP-6HE-35Y-3U5		3U5	6	500	50	2260	1000	1803					9.90	
HCP-6HE-35Y-3UT5		3UT5	9	500	50	2260	1000	2653					14.85	
HCP-6GE-40Y-2U5	6GE-40Y	2U5	6	500	50	2260	1000	1803	2 1/8	1 3/8	73.9	219 A Y	9.90	86.3
HCP-6GE-40Y-2UT5		2UT5	9	500	50	2260	1000	2653					14.85	
HCP-6GE-40Y-4UT5		4UT5	9	500	50	2260	1000	2653					14.85	



Performance Data for HCP Modular Units

Low Temperature R404a

Performance Data in kW Rated Temperatures in °C			Performance Data based on EN 12900 and 50Hz operation								Suction Gas Temperature : 20°C Liquid Subcooling : 0°C					
Compressor	Pack	Amb	-40		-35		-30		-25		-20		-15		-10	
			T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW
2HES-1Y	2S3	30	-	-	34.5	1.05	35.4	1.40	36.3	1.80	37.3	2.27	38.4	2.78	39.6	3.37
	2S3	34	-	-	38.2	0.95	38.9	1.28	39.9	1.66	40.8	2.09	41.9	2.58	43.0	3.13
	2S3	38	-	-	41.8	0.85	42.6	1.16	43.4	1.51	44.4	1.92	45.3	2.38	46.4	2.90
2GES-2Y	2S3	30	34.4	0.92	35.3	1.26	36.3	1.66	37.3	2.11	38.4	2.63	39.6	3.21	41.0	3.85
	2S3	34	38.1	0.82	38.9	1.15	39.8	1.53	40.8	1.96	41.9	2.44	43.2	2.98	44.4	3.59
	2S3	38	41.8	0.74	42.6	1.05	43.4	1.40	44.4	1.81	45.4	2.26	45.5	2.76	47.7	3.33
2FES-2Y	2S3	30	35.1	1.09	36.2	1.51	37.4	1.99	38.8	2.52	40.0	3.14	41.5	3.82	43.3	4.55
	2S3	34	38.8	0.98	39.8	1.37	40.9	1.83	42.2	2.33	43.5	2.90	44.9	3.53	46.5	4.23
	2S3	38	42.4	0.87	43.3	1.25	44.5	1.67	45.6	2.14	46.8	2.68	48.2	3.26	49.6	3.92
2EES-2Y	2S3	30	35.9	1.38	37.3	1.90	38.6	2.50	40.3	3.16	42.0	3.89	43.8	4.70	45.8	5.57
	2S3	34	39.5	1.24	40.7	1.75	42.1	2.30	43.6	2.92	45.2	3.62	46.9	4.37	48.7	5.20
	3S3	38	42.1	1.15	43.1	1.63	44.2	2.18	45.4	2.79	46.7	3.48	48.1	4.24	49.6	5.08
2DES-2Y	2S3	30	36.5	1.45	38.0	2.01	39.6	2.65	41.5	3.37	43.4	4.19	45.5	5.10	47.8	6.12
	2S3	34	40.0	1.29	41.4	1.81	43.0	2.41	44.7	3.08	46.5	3.85	48.4	4.71	50.6	5.67
	3S4	38	41.5	1.22	42.2	1.77	43.0	2.40	44.1	3.14	45.2	3.99	46.4	4.98	47.8	6.11
2CES-3Y	2S3	30	38.5	2.08	40.4	2.78	42.3	3.55	44.4	4.39	46.5	5.31	48.8	6.29	51.3	7.30
	3S3	34	40.6	1.97	42.0	2.67	43.6	3.44	45.4	4.29	47.2	5.22	49.1	6.24	51.2	7.31
	4S4	38	42.0	1.89	42.9	2.61	43.9	3.42	45.1	4.32	46.3	5.33	47.6	6.46	49.0	7.70
4FES-3Y	3S3	30	37.7	2.37	39.3	3.10	41.0	3.93	42.9	4.86	45.0	5.89	47.1	7.02	49.4	8.23
	3S4	34	39.3	2.28	40.3	3.03	41.6	3.89	42.9	4.86	44.4	5.96	46.0	7.20	47.7	8.57
	3S5	38	41.9	2.16	42.6	2.89	43.4	3.74	44.3	4.72	45.2	5.86	46.3	7.14	47.5	8.61
4EES-4Y	2S4	30	38.3	2.95	39.9	3.86	41.8	4.90	43.9	6.04	46.0	7.32	48.3	8.70	50.6	10.20
	3S4	34	40.3	2.82	41.7	3.72	43.2	4.75	44.9	5.91	46.7	7.20	48.6	8.65	50.6	10.20
	4S5	38	42.1	2.70	42.9	3.63	43.9	4.69	44.9	5.91	46.0	7.31	47.3	8.90	48.6	10.68

Modular Pack Inc. : Drier, Sight Glass, Oil Separator, Pressure switches (multiple fan models), Accumulator (LT only), Vibration Eliminators, Oil Protection Switch (model specific) and Standard Pack Electrics (model specific).

Optional Extras : any extra switchgear, Danfoss / Eliwell / Carel Controller and Fan Speed Controller on Single Fan Packs





Performance Data for HCP Modular Units

Low Temperature R404a

Performance Data in kW Rated Temperatures in °C			Performance Data based on EN 12900 and 50Hz operation								Suction Gas Temperature : 20°C Liquid Subcooling : 0°C					
Compressor	Pack	Amb	-40		-35		-30		-25		-20		-15		-10	
			T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW
4DES-5Y	3S4	30	37.8	3.56	39.5	4.66	41.3	5.90	43.3	7.30	45.4	8.84	47.8	10.53	50.1	12.37
	2S5	34	41.0	3.31	42.4	4.38	43.8	5.60	45.5	6.97	47.1	8.52	49.1	10.22	51.1	12.10
	2D4	38	42.4	3.21	43.3	4.29	44.3	5.54	45.4	6.98	46.6	8.62	47.9	10.49	49.4	12.57
4CES-6Y	2S5	30	38.5	4.11	40.1	5.43	42.0	6.92	44.0	8.60	46.0	10.49	48.3	12.56	50.8	14.78
	3S5	34	40.5	3.92	41.8	5.23	43.3	6.73	44.9	8.42	46.7	10.33	48.6	12.48	50.5	14.86
	3D4	38	42.1	3.77	42.9	5.10	43.9	6.64	45.0	8.40	46.3	10.43	47.6	12.73	49.1	15.33
4VES-7Y	2S5	30	37.9	3.79	39.6	5.18	41.5	6.77	43.6	8.54	46.0	10.48	48.3	12.69	51.0	14.96
	3S5	34	39.9	3.57	41.3	4.95	42.9	6.53	44.6	8.34	46.5	10.35	48.6	12.60	50.7	15.06
	2D5	38	41.6	3.38	42.3	4.83	43.1	6.50	44.1	8.45	45.1	10.70	46.3	13.28	47.6	16.20
4TES-9Y	2D4	30	36.4	5.10	37.9	6.86	39.6	8.88	41.4	11.18	43.3	13.76	45.5	16.60	47.8	19.74
	2D4	34	40.0	4.64	41.4	6.32	43.0	8.21	44.7	10.37	46.6	12.79	48.6	15.47	50.8	18.41
	2D5	38	42.3	4.36	43.2	6.04	44.2	7.98	45.3	10.22	46.5	12.80	47.9	15.73	49.3	19.04
4PES-12Y	2D4	30	36.8	5.36	38.4	7.33	40.3	9.59	42.3	12.14	44.5	14.98	46.9	18.10	49.3	21.53
	3D4	34	39.1	5.00	40.4	6.95	41.9	9.20	43.6	11.76	45.4	14.64	47.4	17.88	49.5	21.44
	3D5	38	41.7	4.60	42.4	6.57	43.4	8.85	44.4	11.51	45.6	14.57	46.9	18.08	48.4	22.03
4NES-14Y	2D4	30	38.5	6.58	40.5	8.77	42.6	11.25	44.9	14.00	47.4	16.99	50.0	20.27	52.8	23.75
	2D5	34	39.9	6.33	41.1	8.64	42.5	11.27	44.1	14.29	45.7	17.72	47.5	21.55	49.4	25.81
	4D5	38	41.9	5.97	42.8	8.27	43.8	10.92	44.9	14.00	46.2	17.51	47.6	21.51	49.1	26.03
4JE-15Y	3D4	30	38.6	7.98	40.4	10.66	42.4	13.64	44.5	16.91	46.8	20.52	49.2	24.44	51.6	28.66
	3D5	34	40.9	7.51	42.3	10.18	43.8	13.18	45.5	16.53	47.3	20.26	49.3	24.38	51.3	28.89
	2T5	38	42.5	7.19	43.4	9.92	44.4	13.02	45.5	16.56	46.7	20.57	48.0	25.09	49.4	30.16
4HE-18Y	2D5	30	38.6	9.76	40.3	12.91	42.1	16.42	44.1	20.33	46.2	24.60	48.4	29.25	50.8	34.25
	4D5	34	39.8	9.48	41.1	12.68	42.5	16.30	44.0	20.37	45.7	24.89	47.4	29.92	49.3	35.43
	4MD5	38	42.0	8.98	42.9	12.18	43.9	15.81	45.0	19.95	46.2	24.62	47.5	29.89	48.9	35.77

Modular Pack Inc. : Drier, Sight Glass, Oil Separator, Pressure switches (multiple fan models), Accumulator (LT only), Vibration Eliminators, Oil Protection Switch (model specific) and Standard Pack Electrics (model specific).

Optional Extras : any extra switchgear, Danfoss / Eliwell / Carel Controller and Fan Speed Controller on Single Fan Packs



Performance Data for HCP Modular Units

Low Temperature R404a

Performance Data in kW Rated Temperatures in °C			Performance Data based on EN 12900 and 50Hz operation								Suction Gas Temperature : 20°C Liquid Subcooling : 0°C					
Compressor	Pack	Amb	-40		-35		-30		-25		-20		-15		-10	
			T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW	T°C	kW
4GE-23Y	2MD5	30	37.5	12.07	39.0	15.83	40.6	20.06	42.4	24.76	44.3	29.96	46.3	35.65	48.5	41.82
	3MD5	34	39.7	11.55	40.9	15.27	42.2	19.46	43.6	24.19	45.1	29.48	46.8	35.33	48.6	41.78
	4T5	38	42.8	10.79	43.7	14.40	44.7	18.47	45.8	23.10	47.0	28.33	48.3	34.19	49.7	40.73
4FE-28Y	2MD5	30	38.1	12.20	39.8	16.22	41.6	20.77	43.6	25.91	45.8	31.64	48.0	38.10	50.5	45.15
	3MD5	34	40.1	11.52	41.4	15.53	42.9	20.09	44.5	25.31	46.3	31.25	48.2	37.95	50.2	45.50
	3MX5	38	42.3	10.76	43.2	14.78	44.2	19.43	45.2	24.83	46.5	31.07	47.8	38.27	49.3	46.49
6JE-25Y	2T5	30	37.1	12.47	38.5	16.66	40.1	21.39	41.8	26.72	43.6	32.71	45.6	39.32	47.7	46.65
	2T5	34	40.6	11.42	42.0	15.38	43.5	19.86	45.1	24.90	46.8	30.54	48.7	36.80	50.7	43.74
	2U5	38	41.7	11.10	42.3	15.27	43.0	20.07	43.8	25.59	44.8	31.95	45.8	39.19	46.9	47.40
6HE-28Y	2T5	30	38.2	14.58	39.8	19.25	41.6	24.48	43.4	30.33	45.5	36.74	47.6	43.82	49.9	51.48
	3T5	34	40.2	13.90	41.5	18.55	42.9	23.79	44.5	29.67	46.1	36.25	48.0	43.51	49.8	51.53
	2U5	38	42.1	13.24	42.9	17.96	43.7	23.36	44.7	29.52	45.8	36.53	46.9	44.49	48.2	53.40
6GE-34Y	3T5	30	38.0	18.48	39.5	23.92	41.2	30.03	43.0	36.82	44.9	44.28	47.0	52.38	49.2	61.16
	4T5	34	40.7	17.49	42.1	22.79	43.6	28.71	45.2	35.29	46.9	42.55	48.8	50.53	50.7	59.19
	3U5	38	42.0	17.02	42.7	22.50	43.5	28.73	44.4	35.83	45.4	43.88	46.5	52.93	47.7	63.10
6FE-44Y	3T5	30	38.5	18.08	40.3	24.01	42.1	30.71	44.2	38.23	46.4	46.65	48.8	56.01	51.3	66.37
	2U5	34	39.7	17.50	40.7	23.73	41.9	30.89	43.3	39.14	44.7	48.65	46.3	59.52	48.1	71.79
	3U5	38	42.2	16.18	43.1	22.25	44.0	29.27	45.1	37.43	46.2	46.93	47.5	57.83	48.9	70.35

Modular Pack Inc. : Drier, Sight Glass, Oil Separator, Pressure switches (multiple fan models), Accumulator (LT only), Vibration Eliminators, Oil Protection Switch (model specific) and Standard Pack Electrics (model specific).

Optional Extras : any extra switchgear, Danfoss / Eliwell / Carel Controller and Fan Speed Controller on Single Fan Packs

Technical Data - Low Temperature R404a

Model #	Compressor	HCP #	Fan		Receiver Volume (Lts)	Dimensions (mm)			Copper Connections		Compressor (Amps)		Fan Amps	Sound Level (dB(A) @ 5 mt)
			Qty	Ø mm		L	D	H	Suction	Liquid	FLA	LRA		
HCP - 2HES-1Y - 2S3	2HES-1Y	2S3	1	350	9	750	1000	953	5/8	3/8	3.8	16.7	0.42	55
HCP - 2GES-2Y - 2S3	2GES-2Y	2S3	1	350	9	750	1000	953	5/8	3/8	5.0	22.5	0.42	54
HCP - 2FES-2Y - 2S3	2FES-2Y	2S3	1	350	9	750	1000	953	5/8	3/8	5.3	22.5	0.42	55
HCP - 2EES-2Y - 2S3	2EES-2Y	2S3	1	350	9	750	1000	953	7/8	1/2	6.0	26.0	0.42	56
HCP - 2EES-2Y - 3S3		3S3	1	350	9	750	1000	953	7/8	1/2			0.42	
HCP - 2DES-2Y - 2S3	2DES-2Y	2S3	1	350	9	750	1000	953	7/8	1/2	7.5	30.7	0.42	59
HCP - 2DES-2Y - 3S4		3S4	1	400	9	750	1000	953	7/8	1/2			0.73	
HCP - 2CES-3Y - 2S3	2CES-3Y	2S3	1	350	9	750	1000	953	7/8	1/2	9.1	37.0	0.42	59
HCP - 2CES-3Y - 3S3		3S3	1	350	9	750	1000	953	7/8	1/2			0.42	
HCP - 2CES-3Y - 4S4		4S4	1	400	9	750	1000	953	7/8	1/2			0.73	
HCP - 4FES-3Y - 3S3	4FES-3Y	3S3	1	350	9	750	1000	953	7/8	1/2	9.5	44.2	0.42	59
HCP - 4FES-3Y - 3S4		3S4	1	400	9	750	1000	953	7/8	1/2			0.73	
HCP - 4FES-3Y - 3S5		3S5	1	500	9	750	1000	953	7/8	1/2			1.65	
HCP - 4EES-4Y - 2S4	4EES-4Y	2S4	1	400	9	750	1000	953	1 1/8	5/8	12.2	53.5	0.73	60
HCP - 4EES-4Y - 3S4		3S4	1	400	9	750	1000	953	1 1/8	5/8			0.73	
HCP - 4EES-4Y - 4S5		4S5	1	500	9	750	1000	953	1 1/8	5/8			1.65	
HCP - 4DES-5Y - 3S4	4DES-5Y	3S4	1	400	9	750	1000	953	1 1/8	5/8	14.5	62.2	0.73	62
HCP - 4DES-5Y - 2S5		2S5	1	500	9	750	1000	953	1 1/8	5/8			1.65	
HCP - 4DES-5Y - 2D4		2D4	2	400	18	1505	1000	953	1 1/8	5/8			1.46	
HCP - 4CES-6Y - 2S5	4CES-6Y	2S5	1	500	9	750	1000	953	1 1/8	5/8	17.7	82.4	1.65	64
HCP - 4CES-6Y - 3S5		3S5	1	500	9	750	1000	953	1 1/8	5/8			1.65	
HCP - 4CES-6Y - 3D4		3D4	2	400	18	1505	1000	953	1 1/8	5/8			1.46	



Technical Data - Low Temperature R404a

Model #	Compressor	HCP #	Fan		Receiver Volume	Dimensions (mm)			Copper Connections		Compressor (Amps)		Fan Amps	Sound Level (dB (A) @ 5 mt)
			Qty	∅ mm		L	D	H	Suction	Liquid	FLA	LRA		
HCP - 4VES-7Y - 2S5	4VES-7Y	2S5	1	500	9	750	1000	953	1 1/8	5/8	16.6	39 A Y	1.46	59
HCP - 4VES-7Y - 3S5		3S5	1	500	9	750	1000	953	1 1/8	5/8			1.46	
HCP - 4VES-7Y - 2D5		2D5	2	500	18	1505	1000	953	1 1/8	5/8			3.30	
HCP - 4TES-9Y - 2D4	4TES-9Y	2D4	2	400	18	1505	1000	953	1 3/8	5/8	19.9	49 A Y	1.46	61
HCP - 4TES-9Y - 2D5		2D5	2	500	18	1505	1000	953	1 3/8	5/8			3.30	
HCP - 4PES-12Y - 2D4	4PES-12Y	2D4	2	400	18	1505	1000	953	1 3/8	5/8	22.7	59 A Y	1.46	60
HCP - 4PES-12Y - 3D4		3D4	2	400	18	1505	1000	953	1 3/8	5/8			1.46	
HCP - 4PES-12Y - 3D5		3D5	2	500	18	1505	1000	953	1 3/8	5/8			3.30	
HCP - 4NES-14Y - 2D4	4NES-14Y	2D4	2	400	18	1505	1000	953	1 3/8	5/8	26.60	69 A Y	1.46	58
HCP - 4NES-14Y - 2D5		2D5	2	500	18	1505	1000	953	1 3/8	5/8			3.30	
HCP - 4NES-14Y - 4D5		4D5	2	500	18	1505	1000	953	1 3/8	5/8			3.30	
HCP - 4JE-15Y - 3D4	4JE-15Y	3D4	2	400	18	1505	1000	953	1 5/8	7/8	30.80	97 A Y	1.46	56
HCP - 4JE-15Y - 3D5		3D5	2	500	18	1505	1000	953	1 5/8	7/8			3.30	
HCP - 4JE-15Y - 2T5		2T5	3	500	18	1505	1000	953	1 5/8	7/8			4.95	
HCP - 4HE-18Y - 2D5	4HE-18Y	2D5	2	500	18	1505	1000	953	1 5/8	7/8	36.70	97 A Y	3.30	55
HCP - 4HE-18Y - 4D5		4D5	2	500	18	1505	1000	953	1 5/8	7/8			3.30	
HCP - 4HE-18Y - 4MD5		4MD5	2	500	21	1505	1000	1378	1 5/8	7/8			3.30	
HCP - 4GE-23Y - 2MD5	4GE-23Y	2MD5	2	500	21	1505	1000	1378	2 1/8	7/8	43.90	97 A Y	3.30	56
HCP - 4GE-23Y - 3MD5		3MD5	2	500	21	1505	1000	1378	2 1/8	7/8			3.30	
HCP - 4GE-23Y - 4T5		4T5	3	500	30	2260	1000	953	2 1/8	7/8			4.95	
HCP - 4FE-28Y - 2MD5	4FE-28Y	2MD5	2	500	21	1505	1000	1378	2 1/8	1 1/8	52.80	141 A Y	3.30	58
HCP - 4FE-28Y - 3MD5		3MD5	2	500	21	1505	1000	1378	2 1/8	1 1/8			3.30	
HCP - 4FE-28Y - 3MX5		3MX5	4	500	30	1505	1000	1803	2 1/8	1 1/8			6.60	

Technical Data - Low Temperature R404a

Model #	Compressor	HCP #	Fan		Receiver Volume	Dimensions (mm)			Copper Connections		Compressor (Amps)		Fan Amps	Sound Level (dB(A) @ 5 mt)
			Qty	Ø mm		L	D	H	Suction	Liquid	FLA	LRA		
HCP - 6JE-25Y - 2T5	6JE-25Y	2T5	3	500	30	2260	1000	953	2 1/8	1 1/8	46.40	141 A Y	4.95	60
HCP - 6JE-25Y - 2T5		2T5	3	500	30	2260	1000	953	2 1/8	1 1/8			4.95	
HCP - 6JE-25Y - 2U5		2U5	6	500	50	2260	1000	1803	2 1/8	1 1/8			9.90	
HCP - 6HE-28Y - 2T5	6HE-28Y	2T5	3	500	30	2260	1000	953	2 1/8	1 1/8	53.20	141 A Y	4.95	60
HCP - 6HE-28Y - 3T5		3T5	3	500	30	2260	1000	953	2 1/8	1 1/8			4.95	
HCP - 6HE-28Y - 2U5		2U5	6	500	50	2260	1000	1803	2 1/8	1 1/8			9.90	
HCP - 6GE-34Y - 3T5	6GE-34Y	3T5	3	500	30	2260	1000	953	2 1/8	1 1/8	65.50	141 A Y	4.95	60
HCP - 6GE-34Y - 4T5		4T5	3	500	30	2260	1000	953	2 1/8	1 1/8			4.95	
HCP - 6GE-34Y - 3U5		3U5	6	500	50	2260	1000	1803	2 1/8	1 1/8			9.90	
HCP - 6FE-44Y - 3T5	6FE-44Y	3T5	3	500	30	2260	1000	953	2 1/8	1 1/8	83.20	219 A Y	4.95	68
HCP - 6FE-44Y - 2U5		2U5	3	500	50	2260	1000	1803	2 1/8	1 1/8			9.90	
HCP - 6FE-44Y - 3U5		3U5	6	500	50	2260	1000	1803	2 1/8	1 1/8			9.90	



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