Technical Data: ECOLINE single compressors

Compressor model	Housing size	Motor version	Displacement at 1450 min^{-1}	Number of cylinders	Refrigerating capacity Q_o R1234yf		R454C		Oil charge	Weight	Maximum operating current	Maximum power consumption
					t_o / t_c 5°C / 50°C	t_o / t_c -10°C / 45°C	t_o / t_c -10°C / 45°C	t_o / t_c -35°C / 40°C			①	②
			m^3/h		W	W	W	W	dm^3	kg	A	kW
											Δ / Y	
2KES-05(Y)	1	1	4.06	2	1870	1030	1500	310	1.0	46	4.9 / 2.8	1.5
2JES-07(Y)	1	1	5.21	2	2390	1320	2020	480	1.0	47	6.4 / 3.7	1.9
2HES-1(Y)	1	2	6.51	2	3160	1840	2600	640	1.0	47	6.6 / 3.8	2.0
2HES-2(Y)	1	1	6.51	2	3140	1830	2600	640	1.0	49	7.8 / 4.5	2.4
2GES-2(Y)	1	1	7.58	2	3690	2170	3060	780	1.0	49	8.7 / 5.0	2.7
2FES-2(Y)	1	2	9.54	2	4470	2590	3880	1000	1.0	49	9.2 / 5.3	2.9
2FES-3(Y)	1	1	9.54	2	4550	2690	3880	1000	1.0	50	10.6 / 6.1	3.4
2EES-2(Y)	2	2	11.4	2	5760	3340	4860	1290	1.5	74	10.4 / 6.0	3.3
2EES-3(Y)	2	1	11.4	2	5760	3340	4860	1290	1.5	77	13.0 / 7.5	3.8
2DES-2(Y)	2	2	13.4	2	6670	3890	5650	1550	1.5	73	13.0 / 7.5	4.0
2DES-3(Y)	2	1	13.4	2	6670	3890	5650	1550	1.5	77	15.0 / 8.6	4.6
2CES-3(Y)	2	2	16.2	2	8460	4980	7200	2070	1.5	76	15.8 / 9.1	5.0
2CES-4(Y)	2	1	16.2	2	8460	4980	7200	2070	1.5	76	17.4 / 10.0	5.6
4FES-3(Y)	3	2	18.1	4	8980	5140	7890	2230	2.0	90	16.5 / 9.5	5.3
4FES-5(Y)	3	1	18.1	4	8980	5140	7890	2230	2.0	95	18.0 / 10.8	5.8
4EES-4(Y)	3	2	22.7	4	11450	6800	9890	2770	2.0	93	21.1 / 12.2	6.9
4EES-6(Y)	3	1	22.7	4	11450	6800	9890	2770	2.0	95	23.7 / 13.6	7.6
4DES-5(Y)	3	2	26.8	4	13220	7650	11270	3130	2.0	94	25.5 / 14.5	8.1
4DES-7(Y)	3	1	26.8	4	13220	7650	11270	3130	2.0	100	28.7 / 16.5	8.9
4CES-6(Y)	3	2	32.5	4	16770	9790	14380	4160	2.0	99	30.8 / 17.7	9.7
4CES-9(Y)	3	1	32.5	4	16770	9790	14380	4160	2.0	99	35.1 / 20.2	11.3
4BES-9(Y)	3	2	36.1	4	18440	10760	15800	4550	2.0	99	31.3 / 18.0	12.3
											PW	
4VE(S)-7(Y)	4	2	34.7	4	17750	10240	14330	3580	2.6	142 (139)	16.6	11
4VE(S)-10(Y)	4	1	34.7	4	17470	10010	14160	3520	2.6	149 (146)	19.9	12
4TE(S)-9(Y)	4	2	41.3	4	21400	12470	17500	4560	2.6	144 (143)	19.9	13
4TE(S)-12(Y)	4	1	41.3	4	21100	12180	17230	4450	2.6	148 (147)	25.1	14
4PE(S)-12(Y)	4	2	48.5	4	24600	14080	19880	4910	2.6	147 (145)	22.7	17
4PE(S)-15(Y)	4	1	48.5	4	24200	13770	19490	4740	2.6	156 (153)	28.2	19
4NE(S)-14(Y)	4	2	56.2	4	29000	16770	23800	6210	2.6	155 (146)	26.6	17
4NE(S)-20(Y)	4	1	56.2	4	28800	16630	23500	6100	2.6	159 (157)	33.2	19
4JE-15(Y)	5	2	63.5	4	32800	19420	27600	7520	4.0	192	30.8	19
4JE-22(Y)	5	1	63.5	4	32300	18970	26500	6850	4.0	192	37.2	21
4HE-18(Y)	5	2	73.7	4	38400	23100	32400	9070	4.0	191	36.7	22
4HE-25(Y)	5	1	73.7	4	38400	22700	31400	8490	4.0	207	44.0	25
4GE-23(Y)	5	2	84.6	4	43300	25900	37600	10850	4.5	196	43.9	27
4GE-30(Y)	5	1	84.6	4	44800	26500	36100	9940	4.5	209	51.2	28
4FE-28(Y)	5	2	101.8	4	53500	31900	44500	13040	4.5	207	52.8	31
4FE-35(Y)	5	1	101.8	4	52600	31100	43500	12440	4.5	207	62.1	35
6JE-25(Y)	6	2	95.3	6	48600	28400	41100	11240	4.75	234	46.4	27
6JE-33(Y)	6	1	95.3	6	49200	28600	39200	10100	4.75	244	53.2	30
6HE-28(Y)	6	2	110.5	6	57300	33800	47600	13400	4.75	233	53.2	33
6HE-35(Y)	6	1	110.5	6	56600	33100	46100	12530	4.75	241	64.4	36
6GE-34(Y)	6	2	126.8	6	65300	38900	55600	16610	4.75	230	65.5	40
6GE-40(Y)	6	1	126.8	6	65600	38900	52600	14680	4.75	240	73.9	42
6FE-44(Y)	6	2	151.6	6	78700	47100	66800	19540	4.75	244	83.2	46
6FE-50(Y)	6	1	151.6	6	77400	45900	64300	18000	4.75	246	96.2	51
8GE-50(Y)	8	2	185	8	89600	52900			5.0	342	92.0	51
8GE-60(Y)	8	1	185	8	89600	52900	74400		5.0	352	113	63
8FE-60(Y)	8	2	221	8	105000	62500			5.0	361	113	63
8FE-70(Y)	8	1	221	8	105000	62500	88000		5.0	363	139	78

These data also apply to the corresponding design for explosion-proof areas.

Lines with 2 weight values:
first value: compressor with oil pump
value in brackets: compressor with centrifugal lubrication

ECOLINE tandem

Compressor model	Housing size	Motor version	Displacement at 1450 min^{-1}	Number of cylinders	Refrigerating capacity Q_o R1234yf t_o / t_c 5°C / 50°C	R1234yf t_o / t_c -10°C / 45°C	R454C t_o / t_c -10°C / 45°C	R454C t_o / t_c -35°C / 40°C	Oil charge	Weight	Maximum operating current ①	Maximum power consumption ②
			m^3/h		W	W	W	W	dm^3	kg	A	kW
											Δ / Y	
22EES-4(Y)	2	2	22.8	4	11510	6690	9710	2590	3.5	154	2 x 10.4/6.0	2 x 3.3
22EES-6(Y)	2	1	22.8	4	11510	6690	9710	2590	3.5	160	2 x 13.0/7.5	2 x 3.8
22DES-4(Y)	2	2	26.8	4	13340	7790	11290	3100	3.5	154	2 x 13.0/7.5	2 x 4.0
22DES-6(Y)	2	1	26.8	4	13340	7790	11290	3100	3.5	160	2 x 15.0/8.6	2 x 4.6
22CES-6(Y)	2	2	32.4	4	16910	9950	14400	4140	3.5	159	2 x 15.8/9.1	2 x 5.0
22CES-8(Y)	2	1	32.4	4	16910	9950	14400	4140	3.5	159	2 x 17.4/10.0	2 x 5.6
44FES-6(Y)	3	2	36.2	8	17970	10280	15790	4460	4.5	187	2 x 16.5/9.5	2 x 5.3
44FES-10(Y)	3	1	36.2	8	17960	10280	15790	4460	4.5	196	2 x 18.0/10.8	2 x 5.8
44EES-8(Y)	3	2	45.4	8	22900	13600	19770	5540	4.5	192	2 x 21.1/12.2	2 x 6.9
44EES-12(Y)	3	1	45.4	8	22900	13600	19770	5540	4.5	192	2 x 23.7/13.6	2 x 7.6
44DES-10(Y)	3	2	53.6	8	26400	15310	22500	6260	4.5	195	2 x 25.5/14.5	2 x 8.1
44DES-14(Y)	3	1	53.6	8	26400	15310	22500	6260	4.5	201	2 x 28.7/16.5	2 x 8.9
44CES-12(Y)	3	2	65.0	8	33500	19580	28800	8320	4.5	200	2 x 30.8/17.7	2 x 9.7
44CES-18(Y)	3	1	65.0	8	33500	19580	28800	8320	4.5	200	2 x 35.1/20.2	2 x 11.3
											PW	
44VE(S)-14(Y)	4	2	69.4	8	35500	20500	28700	7150	6.1	279 (284)	2 x 16.6	2 x 11
44VE(S)-20(Y)	4	1	69.4	8	34900	20000	28300	7050	6.1	305 (298)	2 x 19.9	2 x 12
44TE(S)-18(Y)	4	2	82.6	8	42900	24900	35000	9110	6.1	295 (291)	2 x 19.9	2 x 13
44TE(S)-24(Y)	4	1	82.6	8	42200	24400	34500	8890	6.1	313 (300)	2 x 25.1	2 x 14
44PE(S)-24(Y)	4	2	97.0	8	49100	28200	39800	9820	6.1	300 (297)	2 x 22.7	2 x 17
44PE(S)-30(Y)	4	1	97.0	8	48300	27500	39000	9490	6.1	315 (309)	2 x 28.2	2 x 19
44NE(S)-28(Y)	4	2	112.4	8	57900	33500	47600	12430	6.1	315 (298)	2 x 26.6	2 x 17
44NE(S)-40(Y)	4	1	112.4	8	57600	33300	47000	12210	6.1	321 (317)	2 x 33.2	2 x 19
44JE-30(Y)	5	2	127.0	8	65700	38800	55300	15030	8.0	385	2 x 30.8	2 x 19
44JE-44(Y)	5	1	127.0	8	64600	37900	53000	13710	8.0	385	2 x 37.2	2 x 21
44HE-36(Y)	5	2	147.4	8	76700	46200	64800	18150	8.0	382	2 x 36.7	2 x 22
44HE-50(Y)	5	1	147.4	8	76800	45300	62700	16990	8.0	403	2 x 44.0	2 x 25
44GE-46(Y)	5	2	169.2	8	86600	51900	75200	21700	9.0	388	2 x 43.9	2 x 27
44GE-60(Y)	5	1	169.2	8	89600	52900	72100	19890	9.0	408	2 x 51.2	2 x 28
44FE-56(Y)	5	2	203.6	8	107000	63900	89000	26100	9.0	404	2 x 52.8	2 x 31
44FE-70(Y)	5	1	203.6	8	105200	62300	87100	24900	9.0	404	2 x 62.1	2 x 35
66JE-50(Y)	6	2	190.6	12	97100	56800	82200	22500	9.5	469	2 x 46.4	2 x 27
66JE-66(Y)	6	1	190.6	12	98300	57300	78300	20200	9.5	489	2 x 53.2	2 x 30
66HE-56(Y)	6	2	221.0	12	114500	67600	95200	26800	9.5	465	2 x 53.2	2 x 33
66HE-70(Y)	6	1	221.0	12	113200	66200	92100	25100	9.5	475	2 x 64.4	2 x 36
66GE-68(Y)	6	2	253.6	12	130700	77800	111200	33200	9.5	460	2 x 65.5	2 x 40
66GE-80(Y)	6	1	253.6	12	131100	77700	105300	29400	9.5	489	2 x 73.9	2 x 42
66FE-88(Y)	6	2	303.2	12	157500	94100	133500	39100	9.5	482	2 x 83.2	2 x 46
66FE-100(Y)	6	1	303.2	12	154700	91700	128700	36000	9.5	485	2 x 96.2	2 x 51

① Data for star or delta motor refer 400 V/3/50 Hz at direct mains operation, as well as the data for the part winding motor at 50 Hz.

② Consider the maximum operating current / maximum power consumption for the selection of contactors, cables and fuses. Contactors: operational category AC3. Use thermal overload relays to limit max. operating current.

Tolerances

refrigerating capacity according to EN12900

weight ± 5%
maximum operating current ± 5%
maximum power consumption ± 5%

ECOLINE for A3 refrigerants

Compressor model	Housing size	Motor version	Displacement at 1450 min^{-1}	Number of cylinders	Refrigerating capacity Q_o R290		R1270		Oil charge	Weight	Maximum operating current	Maximum power consumption
					t_o / t_c 5°C / 50°C	t_o / t_c -10°C / 45°C	t_o / t_c -10°C / 45°C	t_o / t_c -35°C / 40°C			①	②
			m^3/h		W	W	W	W	dm^3	kg	A	kW
											Δ / Y	
2KESP-05Z	1	1	4.06	2	2710	1620	1840	470	1.0	46	4.9 / 2.8	1.5
2JESP-07Z	1	1	5.21	2	3550	2190	2600	770	1.0	47	6.4 / 3.7	1.9
2HESP-1Z	1	2	6.51	2		2770	3340	1070	1.0	47	6.6 / 3.8	2.0
2HESP-2Z	1	1	6.51	2	4500	2810	3410	1110	1.0	49	7.8 / 4.5	2.4
2GESP-2Z	1	1	7.58	2	5210	3260	3820	1200	1.0	49	8.7 / 5.0	2.7
2FESP-2Z	1	2	9.54	2		4090	5000	1700	1.0	49	9.2 / 5.3	2.9
2FESP-3Z	1	1	9.54	2	6540	4100	4960	1650	1.0	50	10.6 / 6.1	3.4
2EESP-2Z	2	2	11.4	2		5030	6140	1990	1.5	74	10.4 / 6.0	3.3
2EESP-3Z	2	1	11.4	2	8260	5030	6140	1990	1.5	77	13.0 / 7.5	3.8
2DESP-2Z	2	2	13.4	2		5840	7120	2350	1.5	73	13.0 / 7.5	4.0
2DESP-3Z	2	1	13.4	2	9560	5840	7120	2350	1.5	77	15.0 / 8.6	4.6
2CESP-3Z	2	2	16.2	2		7440	9060	3070	1.5	76	15.8 / 9.1	5.0
2CESP-4Z	2	1	16.2	2	12100	7440	9060	3070	1.5	76	17.4 / 10.0	5.6
4FESP-3Z	3	2	18.1	4		7900	9640	3070	2.0	90	16.5 / 9.5	5.3
4FESP-5Z	3	1	18.1	4	13030	7900	9640	3070	2.0	95	18.0 / 10.8	5.8
4EESP-4Z	3	2	22.7	4		10070	12280	3980	2.0	93	21.1 / 12.2	6.9
4EESP-6Z	3	1	22.7	4	16540	10070	12280	3980	2.0	95	23.7 / 13.6	7.6
4DESP-5Z	3	2	26.8	4		11690	14250	4710	2.0	94	25.5 / 14.5	8.1
4DESP-7Z	3	1	26.8	4	19140	11690	14250	4710	2.0	100	28.7 / 16.5	8.9
4CESP-6Z	3	2	32.5	4		14900	18120	6160	2.0	99	30.8 / 17.7	9.7
4CESP-9Z	3	1	32.5	4	24200	14890	18120	6160	2.0	99	35.1 / 20.2	11.3
											PW	
4VESP-7Z	4	2	34.7	4		15330	20000	6820	2.6	139	16.6	11
4VESP-10Z	4	1	34.7	4	25200	15320	19370	6330	2.6	146	19.9	12
4TESP-9Z	4	2	41.3	4		18580	24000	8320	2.6	143	19.9	13
4TESP-12Z	4	1	41.3	4	30400	18580	23400	7790	2.6	145	25.1	14
4PESP-12Z	4	2	48.5	4		21100	27300	8990	2.6	145	22.7	17
4PESP-15Z	4	1	48.5	4	34900	21100	26600	8440	2.6	153	28.2	19
4NESP-14Z	4	2	56.2	4		25000	32000	10720	2.6	146	26.6	17
4NESP-20Z	4	1	56.2	4	41100	25000	31300	10180	2.6	157	33.2	19
4JEP-15Z	5	2	63.5	4		28800	35800	11870	4.0	192	30.8	19
4JEP-22Z	5	1	63.5	4	46400	28200	35200	11350	4.0	192	37.2	21
4HEP-18Z	5	2	73.7	4		34100	42600	14670	4.0	191	36.7	22
4HEP-25Z	5	1	73.7	4	54700	33500	41500	13720	4.0	207	44.0	25
4GEP-23Z	5	2	84.6	4		39300	48300	16310	4.5	196	43.9	27
4GEP-30Z	5	1	84.6	4	63300	39000	47900	16010	4.5	209	51.2	28
4FEP-28Z	5	2	101.8	4		47500	57700	19540	4.5	207	52.8	31
4FEP-35Z	5	1	101.8	4	75500	46500	56600	18600	4.5	207	62.1	35
6JEP-25Z	6	2	95.3	6		43200	53000	17240	4.75	234	46.4	27
6JEP-33Z	6	1	95.3	6	69500	42400	51900	16350	4.75	244	53.2	30
6HEP-28Z	6	2	110.5	6		51100	61600	20200	4.75	233	53.2	33
6HEP-35Z	6	1	110.5	6	82000	50300	61000	19650	4.75	241	64.4	36
6GEP-34Z	6	2	126.8	6		59000	69900	22600	4.75	230	65.5	40
6GEP-40Z	6	1	126.8	6	94700	58200	70000	22500	4.75	240	73.9	42
6FEP-44Z	6	2	151.6	6		71200	82300	26000	4.75	244	83.2	46
6FEP-50Z	6	1	151.6	6	113300	69700	83100	26400	4.75	246	96.2	51
8GEP-50Z	8	2	185	8		79500	92000		5.0	342	92.0	51
8GEP-60Z	8	1	185	8	131300	80200	95500		5.0	352	113	63
8FEP-60Z	8	2	221	8		94100	108800		5.0	361	113	63
8FEP-70Z	8	1	221	8	154100	94900	113000		5.0	363	139	78

These data also apply to the corresponding design for 2KESP-05P to 8FEP-70P compressors and the corresponding design for explosion-proof areas.

Tolerances

refrigerating capacity according to EN12900

weight ± 5%
maximum operating current ± 5%
maximum power consumption ± 5%

VARISPEED

Compressor model	Housing size	Motor version	Displacement at 87 Hz	Number of cylinders	Refrigerating capacity Q_o R1234yf		R454C		Oil charge	Weight	Maximum operating current	Maximum power consumption
					t_o / t_c 5°C / 50°C W	t_o / t_c -10°C / 45°C W	t_o / t_c -10°C / 45°C W	t_o / t_c -35°C / 40°C W			①	②
			m^3/h						dm^3	kg	A	kW
2DES-3.F1Y	2	1	23.7	2	11230	6550	9500	2610	1.5	89	15	9
4FE-5.F1Y	3	1	32.0	4	15120	8650	13290	3750	2.0	108	20	11
4EE-6.F1Y	3	1	40.1	4	19280	11440	16640	4670	2.0	110	22	12
4DE-5.F1Y	3	2	47.3	4	22300	12880			2.0	108	22	12
4DE-7.F3Y	3	1	47.3	4	22300	12880	18970	5270	2.0	146	28	17
4CE-6.F1Y	3	2	57.4	4	28200	16480			2.0	113	22	12
4CE-9.F3Y	3	1	57.4	4	28200	16480	24200	7000	2.0	145	34	21
4VE-7.F3Y	4	2	61.3	4	29900	17230			2.6	159	23	14
4VE-10.F4Y	4	1	61.3	4	29400	16850	23800	5930	2.6	169	35	22
4TE-9.F3Y	4	2	73.0	4	36100	21000			2.6	162	26	16
4TE-12.F4Y	4	1	73.0	4	35500	20500	29000	7480	2.6	171	42	26
4PE-12.F3Y	4	2	85.6	4	41300	23700			2.6	168	30	19
4PE-15.F4Y	4	1	85.6	4	40700	23200	32800	7990	2.6	177	48	30
4NE-14.F3Y	4	2	99.2	4	48700	28200			2.6	177	34	22
4NE-20.F4Y	4	1	99.2	4	48400	28000	39600	10270	2.6	179	55	36

OCTAGON for R410A and R32

Compressor model	Housing size	Motor version	Displacement at 1450 min^{-1}	Number of cylinders	Refrigerating capacity Q_o R410A		R32		Oil charge	Weight	Maximum operating current	Maximum power consumption
					t_o / t_c 5°C / 50°C W	t_o / t_c -10°C / 45°C W	t_o / t_c 5°C / 50°C W	t_o / t_c -10°C / 45°C W			①	②
			m^3/h						dm^3	kg	A	kW
											Δ / Y	
4FDC-5Y	3	1	12.4	4	13150	8050	14640	8940	2.0	105	18.4 / 10.6	6.4
4EDC-6Y	3	1	15.6	4	16740	10240	18640	11370	2.0	107	22.9 / 13.2	8.1
4DDC-7Y	3	1	18.4	4	19910	12150	22200	13500	2.0	107	27.7 / 16.0	9.6
4CDC-9Y	3	1	22.3	4	24000	14770	26800	16420	2.0	110	32.9 / 19.0	11.6
											PW	
4VDC-10Y	4	1	28.9	4	31600	19190	35300	21400	2.6	159	23.0	14.3
4TDC-12Y	4	1	34.4	4	37200	22800	41400	25300	2.6	158	27.0	16.5
4PDC-15Y	4	1	40.4	4	44800	27200	49800	30200	2.6	181	32.0	19.8
4NDC-20Y	4	1	46.9	4	52200	31700	58000	35200	2.6	180	37.0	23.2

ECOLINE with single phase motors

Compressor model	Housing size	Motor version	Displacement at 1450 min^{-1}	Number of cylinders	Refrigerating capacity Q_o R1234yf		R454C		Oil charge	Weight	Maximum power consumption
					t_o / t_c 5°C / 50°C W	t_o / t_c -10°C / 45°C W	t_o / t_c -10°C / 45°C W	t_o / t_c -35°C / 40°C W			④
			m^3/h						dm^3	kg	A
2KES-05.EY	1	2	4.06	2	⑤	⑤	⑤		1.0	49	⑤
2JES-07.EY	1	2	5.21	2	⑤	⑤	⑤		1.0	50	⑤
2HES-1.EY	1	2	6.51	2	3160	1840	2600		1.0	50	12.5
2HES-2.EY	1	1	6.51	2	3140	1830	2600		1.0	52	13.5
2GES-2.EY	1	1	7.58	2	3690	2170	3060		1.0	52	12.5
2FES-2.EY	1	1	9.54	2	4470	2590	3880		1.0	52	15.0

① Data for star or delta motor refer 400 V/3/50 Hz at direct mains operation, as well as the data for the part winding motor at 50 Hz.

② Consider the maximum operating current / maximum power consumption for the selection of contactors, cables and fuses. Contactors: operational category AC3. Use thermal overload relays to limit max. operating current.

③ Data apply to the FI input. Operation on generators, emergency power generators and networks with power factor correction systems only after consultation with BITZER.
Operation with mains voltage ≥ 420 V with F3 or F4 frequency inverter: Set with BEST SOFTWARE.

④ Motor data refer to 230 V/1/50 Hz. Consider maximum power consumption for the selection of contactors,cables and fuses. To limit the maximum operating current an thermal overload relays may be used.

⑤ Data for 60 Hz operation upon request

ECOLINE H

Compressor model	Housing size	Motor version	Displacement at 1450 min^{-1}	Number of cylinders	Refrigerating capacity Q_o R1234yf			R515B	Oil charge	Weight	Maximum operating current ①	Maximum power consumption ②
					t_o / t_c 5°C / 50°C W	t_o / t_c -10°C / 45°C W	t_o / t_c 20°C / 45°C W	t_o / t_c 30°C / 85°C W				
			m^3/h						dm^3	kg	A	kW
											Δ / Y	
2EESH-2Y	2	2	11.4	2	5760	3340			1.5	74	10.4 / 6.0	3.3
2EESH-3Y	2	1	11.4	2	5760	3340	11080	6540	1.5	77	13.0 / 7.5	3.8
2DESH-2Y	2	2	13.4	2	6670	3890			1.5	73	13.0 / 7.5	4.0
2DESH-3Y	2	1	13.4	2	6670	3890	12780	7590	1.5	77	15.0 / 8.6	4.6
2CESH-3Y	2	2	16.2	2	8460	4980			1.5	76	15.8 / 9.1	5.0
2CESH-4Y	2	1	16.2	2	8460	4980	16080	9660	1.5	76	17.4 / 10.0	5.6
4FESH-3Y	3	2	18.1	4	8980	5140			2.0	90	16.5 / 9.5	5.3
4FESH-5Y	3	1	18.1	4	8980	5140	17700	10060	2.0	95	18.0 / 10.8	5.8
4EESH-4Y	3	2	22.7	4	11450	6800			2.0	93	21.1 / 12.2	6.9
4EESH-6Y	3	1	22.7	4	11450	6800	21800	12920	2.0	95	23.7 / 13.6	7.6
4DESH-5Y	3	2	26.8	4	13220	7650			2.0	94	25.5 / 14.5	8.1
4DESH-7Y	3	1	26.8	4	13220	7650	25800	14890	2.0	100	28.7 / 16.5	8.9
4CESH-6Y	3	2	32.5	4	16770	9790			2.0	99	30.8 / 17.7	9.7
4CESH-9Y	3	1	32.5	4	16770	9790	32500	18980	2.0	99	35.1 / 20.2	11.3
4BESH-9Y	3	2	36.1	4	18440	10760			2.0	99	31.3 / 18.0	12.3
											PW	
4VEH-7Y	4	2	34.7	4	17750	10240			2.6	142	16.6	11
4VEH-10Y	4	1	34.7	4	17470	10010	34300	19930	2.6	149	19.9	12
4TEH-9Y	4	2	41.3	4	21400	12470			2.6	144	19.9	13
4TEH-12Y	4	1	41.3	4	21100	12180	41100	24200	2.6	148	25.1	14
4PEH-12Y	4	2	48.5	4	24600	14080			2.6	147	22.7	17
4PEH-15Y	4	1	48.5	4	24200	13770	47600	27500	2.6	156	28.2	19
4NEH-14Y	4	2	56.2	4	29000	16770			2.6	155	26.6	17
4NEH-20Y	4	1	56.2	4	28800	16630	56000	33000	2.6	159	33.2	19
4JEH-15Y	5	2	63.5	4	32800	19420			4.0	192	30.8	19
4JEH-22Y	5	1	63.5	4	32300	18970	61600	36500	4.0	192	37.2	21
4HEH-18Y	5	2	73.7	4	38400	23100			4.0	191	36.7	22
4HEH-25Y	5	1	73.7	4	38400	22700	73000	43100	4.0	207	44.0	25
4GEH-23Y	5	2	84.6	4	43300	25900			4.5	196	43.9	27
4GEH-30Y	5	1	84.6	4	44800	26500	85200	50000	4.5	209	51.2	28
4FEH-28Y	5	2	101.8	4	53500	31900			4.5	207	52.8	31
4FEH-35Y	5	1	101.8	4	52600	31100	100000	59800	4.5	207	62.1	35
6JEH-25Y	6	2	95.3	6	48600	28400			4.75	234	46.4	27
6JEH-33Y	6	1	95.3	6	49200	28600	94600	56300	4.75	244	53.2	30
6HEH-28Y	6	2	110.5	6	57300	33800			4.75	233	53.2	33
6HEH-35Y	6	1	110.5	6	56600	33100	108200	64600	4.75	241	64.4	36
6GEH-34Y	6	2	126.8	6	65300	38900			4.75	230	65.5	40
6GEH-40Y	6	1	126.8	6	65500	38900	123400	74800	4.75	240	73.9	42
6FEH-44Y	6	2	151.6	6	78700	47100			4.75	244	83.2	46
6FEH-50Y	6	1	151.6	6	77400	45900	147800	84900	4.75	246	96.2	51

① Data for star or delta motor refer 400 V/3/50 Hz at direct mains operation, as well as the data for the part winding motor at 50 Hz.

② Consider the maximum operating current / maximum power consumption for the selection of contactors, cables and fuses. Contactors: operational category AC3. Use thermal overload relays to limit max. operating current.

Tolerances

refrigerating capacity according to EN12900

weight ± 5%
maximum operating current ± 5%
maximum power consumption ± 5%

Operating points

t_o / t_c = 5°C / 50°C
standard point for air conditioning

t_o / t_c = -10°C / 45°C
standard point for medium temperature application

t_o / t_c = 20°C / 45°C
typical for data center cooling

t_o / t_c = 30°C / 85°C
typical for high temperature heat pumps