



Technical Data: ECOLINE single compressors

Compressor model	Housing size	Motor version	Displacement at 1450 min ⁻¹ m ³ /h	Number of cylinders	Refrigerating capacity Q _o				Oil charge dm ³	Weight kg	Maximum operating current ① A	Maximum power consumption ② kW
					R1234yf		R454C					
					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				
										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