

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

TITLE: The power loss data according to Ecodesign Directive

The following table shows the power loss data according to Ecodesign Directive.
 The regulation covers 3-phase variable speed drives from 0.12 kW ≤ Pn ≤ 1 000 kW.

< FR-A800 series >

◆ SLD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A820-00046(0.4K)(-)**	1.8	15.0	3.3	3.3	3.3	2.6	2.6	2.6	2.5	2.5	IE2
FR-A820-00077(0.75K)(-)**	2.9	15.0	3.1	3.1	3.1	2.2	2.2	2.2	1.8	1.9	IE2
FR-A820-00105(1.5K)(-)**	4	21.0	3.3	3.3	3.3	2.4	2.4	2.4	2.0	2.0	IE2
FR-A820-00167(2.2K)(-)**	6.4	21.0	2.9	2.9	2.9	2.0	2.0	2.0	1.7	1.7	IE2
FR-A820-00250(3.7K)(-)**	10	21.0	3.0	3.0	3.0	2.1	2.1	2.1	1.7	1.7	IE2
FR-A820-00340(5.5K)(-)**	13	23.0	2.6	2.6	2.6	1.7	1.6	1.7	1.3	1.3	IE2
FR-A820-00490(7.5K)(-)**	19	23.0	2.6	2.6	2.6	1.4	1.4	1.4	1.0	1.0	IE2
FR-A820-00630(11K)(-)**	24	24.2	2.9	2.9	2.9	1.3	1.3	1.3	0.8	0.8	IE2
FR-A820-00770(15K)(-)**	29	30.7	3.2	3.2	3.2	1.6	1.6	1.6	1.2	1.2	IE2
FR-A820-00930(18.5K)(-)**	35	30.7	3.1	3.1	3.1	1.6	1.6	1.6	1.1	1.2	IE2
FR-A820-01250(22K)(-)**	48	30.7	3.1	3.1	3.1	1.6	1.6	1.6	1.1	1.1	IE2
FR-A820-01540(30K)(-)**	59	34.7	3.0	3.0	3.0	1.6	1.5	1.6	1.1	1.1	IE2
FR-A820-01870(37K)(-)**	71	43.6	2.8	2.8	2.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-A820-02330(45K)(-)**	89	43.6	2.9	2.9	2.9	1.4	1.4	1.4	1.0	1.0	IE2
FR-A820-03160(55K)(-)**	120	73.0	2.6	2.6	2.6	1.3	1.3	1.3	0.8	0.9	IE2
FR-A820-03800(75K)(-)**	145	79.1	2.4	2.4	2.4	1.3	1.3	1.3	0.9	0.9	IE2
FR-A820-04750(90K)(-)**	181	70.9	2.5	2.5	2.5	1.2	1.2	1.2	0.7	0.7	IE2
FR-A840-00023(0.4K)(-)**	1.8	19.0	3.2	3.2	3.2	2.8	2.8	2.8	2.8	2.8	IE2
FR-A840-00038(0.75K)(-)**	2.9	19.0	2.6	2.6	2.6	1.8	1.8	1.8	1.5	1.6	IE2
FR-A840-00052(1.5K)(-)**	4	19.0	2.1	2.1	2.1	1.6	1.6	1.6	1.4	1.4	IE2
FR-A840-00083(2.2K)(-)**	6.3	22.0	2.1	2.1	2.1	1.5	1.5	1.5	1.3	1.3	IE2
FR-A840-00126(3.7K)(-)**	10	22.0	2.1	2.1	2.1	1.4	1.4	1.4	1.2	1.2	IE2
FR-A840-00170(5.5K)(-)**	13	27.0	1.9	1.9	1.9	1.3	1.3	1.3	1.1	1.1	IE2
FR-A840-00250(7.5K)(-)**	19	27.0	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A840-00310(11K)(-)**	24	28.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A840-00380(15K)(-)**	29	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-A840-00470(18.5K)(-)**	36	34.5	1.6	1.6	1.6	2.3	2.3	2.3	0.7	0.7	IE2
FR-A840-00620(22K)(-)**	47	34.5	1.6	1.6	1.6	0.9	0.9	0.9	0.6	0.7	IE2
FR-A840-00770(30K)(-)**	59	40.3	1.6	1.5	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A840-00930(37K)(-)**	71	49.7	1.8	1.7	1.7	1.0	0.9	1.0	0.7	0.8	IE2
FR-A840-01160(45K)(-)**	88	49.7	1.8	1.7	1.8	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-01800(55K)(-)**	137	49.7	1.7	1.7	1.7	0.9	0.8	0.8	0.6	0.6	IE2
FR-A840-02160(75K)(-)**	165	70.9	1.8	1.8	1.6	0.9	0.9	0.8	0.6	0.5	IE2
FR-A840-02600(90K)(-)**	198	70.9	1.8	1.8	1.7	0.9	0.9	0.8	0.6	0.5	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A840-03250(110K)(-)**	248	99.1	1.5	1.5	1.5	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-03610(132K)(-)**	275	99.1	1.5	1.5	1.5	0.8	0.8	0.8	0.5	0.5	IE2
FR-A840-04320(160K)(-)**	329	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-04810(185K)(-)**	367	139.8	1.5	1.5	1.5	0.8	0.8	0.8	0.5	0.5	IE2
FR-A840-05470(220K)(-)**	417	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.4	0.4	IE2
FR-A840-06100(250K)(-)**	465	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-06830(280K)(-)**	521	169.4	1.5	1.5	1.5	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840M-03630(160K)(-)**	200	166.4	1.5	1.5	1.5	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840M-04540(200K)(-)**	250	166.4	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A870-00550(-)** *1	66	82.4	1.2	1.2	1.2	0.7	0.7	0.7	0.6	0.6	IE2
FR-A870-00660(-)** *1	79	85.8	1.2	1.2	1.2	0.7	0.7	0.7	0.3	0.3	IE2
FR-A870-00890(-)** *1	106	85.8	1.2	1.2	1.2	0.6	0.6	0.6	0.5	0.5	IE2
FR-A870-02300(-)** *1	275	224.2	1.3	1.3	1.3	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-02860(-)** *1	342	224.2	1.3	1.3	1.3	0.6	0.6	0.6	0.4	0.4	IE2
FR-A870-03590(-)**-LC	429	218.7	1.2	1.2	1.2	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-04560(-)**-LC	545	218.7	1.3	1.3	1.3	0.7	0.7	0.7	0.5	0.5	IE2

* 1 690 VAC power input

Note: ** indicates alpha numeric combination which means an inverter type such as E1 and E2.

◆LD, SND rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A820-00046(0.4K)(-)**	1.6	15.0	3.3	3.3	3.3	2.7	2.7	2.7	2.5	2.5	IE2
FR-A820-00077(0.75K)(-)**	2.7	15.0	3.0	3.0	3.0	2.1	2.1	2.1	1.8	1.8	IE2
FR-A820-00105(1.5K)(-)**	3.7	21.0	3.3	3.3	3.3	2.4	2.4	2.4	2.1	2.1	IE2
FR-A820-00167(2.2K)(-)**	5.8	21.0	3.0	3.0	3.0	2.1	2.1	2.1	1.8	1.8	IE2
FR-A820-00250(3.7K)(-)**	8.8	21.0	3.0	3.0	3.0	2.1	2.1	2.1	1.9	1.9	IE2
FR-A820-00340(5.5K)(-)**	12	23.0	2.5	2.5	2.5	1.6	1.6	1.6	1.3	1.3	IE2
FR-A820-00490(7.5K)(-)**	17	23.0	2.6	2.6	2.6	1.4	1.4	1.4	1.0	1.0	IE2
FR-A820-00630(11K)(-)**	22	24.2	2.8	2.8	2.8	1.2	1.2	1.2	0.8	0.8	IE2
FR-A820-00770(15K)(-)**	27	30.7	3.2	3.1	3.2	1.6	1.6	1.6	1.2	1.2	IE2
FR-A820-00930(18.5K)(-)**	32	30.7	3.2	3.2	3.2	1.7	1.7	1.7	1.2	1.2	IE2
FR-A820-01250(22K)(-)**	43	30.7	3.2	3.2	3.2	1.6	1.6	1.6	1.1	1.2	IE2
FR-A820-01540(30K)(-)**	53	34.7	3.0	2.9	1.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-A820-01870(37K)(-)**	65	43.6	2.7	2.7	2.7	1.4	1.4	1.4	1.0	1.0	IE2
FR-A820-02330(45K)(-)**	81	43.6	2.8	2.8	2.8	1.4	1.4	1.4	1.0	1.0	IE2
FR-A820-03160(55K)(-)**	110	73.0	2.7	2.7	2.7	1.3	1.3	1.3	0.9	0.9	IE2
FR-A820-03800(75K)(-)**	132	79.1	2.4	2.4	2.4	1.3	1.3	1.3	0.9	0.9	IE2
FR-A820-04750(90K)(-)**	165	70.9	2.5	2.5	2.5	1.2	1.2	1.2	0.7	0.7	IE2
FR-A840-00023(0.4K)(-)**	1.6	19.0	3.3	3.3	3.3	2.9	2.9	2.9	2.9	2.9	IE2
FR-A840-00038(0.75K)(-)**	2.7	19.0	2.6	2.6	2.6	1.9	1.8	1.8	1.6	1.6	IE2
FR-A840-00052(1.5K)(-)**	3.7	19.0	2.1	2.1	2.1	1.7	1.7	1.7	1.5	1.5	IE2
FR-A840-00083(2.2K)(-)**	5.8	22.0	2.1	2.1	2.1	1.6	1.6	1.6	1.4	1.4	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90:100) (%)	load point 2 (50:100) (%)	load point 3 (0:100) (%)	load point 4 (90:50) (%)	load point 5 (50:50) (%)	load point 6 (0:50) (%)	load point 7 (50:25) (%)	load point 8 (0:25) (%)	IE class
FR-A840-00126(3.7K)(-)**	8.8	22.0	2.1	2.1	2.1	1.4	1.4	1.4	1.2	1.2	IE2
FR-A840-00170(5.5K)(-)**	12	27.0	1.8	1.8	1.8	1.3	1.3	1.3	1.1	1.1	IE2
FR-A840-00250(7.5K)(-)**	18	27.0	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A840-00310(11K)(-)**	22	28.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A840-00380(15K)(-)**	27	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-A840-00470(18.5K)(-)**	33	28.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-00620(22K)(-)**	43	34.5	1.6	1.6	1.6	0.9	0.9	0.9	0.6	0.7	IE2
FR-A840-00770(30K)(-)**	53	40.3	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-00930(37K)(-)**	65	49.7	1.7	1.7	1.7	1.0	0.9	1.0	0.7	0.7	IE2
FR-A840-01160(45K)(-)**	81	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-01800(55K)(-)**	110	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A840-02160(75K)(-)**	137	70.9	1.8	1.8	1.6	0.9	0.9	0.8	0.6	0.5	IE2
FR-A840-02600(90K)(-)**	165	70.9	1.8	1.8	1.7	0.9	0.9	0.8	0.6	0.5	IE2
FR-A840-03250(110K)(-)**	198	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-03610(132K)(-)**	248	99.1	1.5	1.5	1.5	0.8	0.8	0.8	0.5	0.5	IE2
FR-A840-04320(160K)(-)**	275	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-04810(185K)(-)**	329	139.8	1.5	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-05470(220K)(-)**	367	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-06100(250K)(-)**	417	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-06830(280K)(-)**	465	169.4	1.5	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A846-00023(0.4K)(-)**	1.6	19.0	3.3	3.3	3.3	2.9	2.9	2.9	2.9	2.9	IE2
FR-A846-00038(0.75K)(-)**	2.7	19.0	2.6	2.6	2.6	1.9	1.8	1.8	1.6	1.6	IE2
FR-A846-00052(1.5K)(-)**	3.7	19.0	2.1	2.1	2.1	1.7	1.7	1.7	1.5	1.5	IE2
FR-A846-00083(2.2K)(-)**	5.8	22.0	2.1	2.1	2.1	1.6	1.6	1.6	1.4	1.4	IE2
FR-A846-00126(3.7K)(-)**	8.8	22.0	2.1	2.1	2.1	1.4	1.4	1.4	1.2	1.2	IE2
FR-A846-00170(5.5K)(-)**	12	27.0	1.8	1.8	1.8	1.3	1.3	1.3	1.1	1.1	IE2
FR-A846-00250(7.5K)(-)**	18	27.0	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A846-00310(11K)(-)**	22	28.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A846-00380(15K)(-)**	27	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-A846-00470(18.5K)(-)**	33	28.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A846-00620(22K)(-)**	43	34.5	1.6	1.6	1.6	0.9	0.9	0.9	0.6	0.7	IE2
FR-A846-00770(30K)(-)**	53	40.3	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A846-00930(37K)(-)**	65	49.7	1.7	1.7	1.7	1.0	0.9	1.0	0.7	0.7	IE2
FR-A846-01160(45K)(-)**	81	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-A846-01800(55K)(-)**	110	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A846-02160(75K)(-)**	137	70.9	1.8	1.8	1.6	0.9	0.9	0.8	0.6	0.5	IE2
FR-A846-02600(90K)(-)**	165	70.9	1.8	1.8	1.7	0.9	0.9	0.8	0.6	0.5	IE2
FR-A846-03250(110K)(-)**	198	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A846-03610(132K)(-)**	248	99.1	1.5	1.5	1.5	0.8	0.8	0.8	0.5	0.5	IE2
FR-A870-00550(-)** *1	198	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-00660(-)** *1	248	99.1	1.5	1.5	1.5	0.8	0.8	0.8	0.5	0.5	IE2
FR-A870-00890(-)** *1	275	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-02300(-)** *1	329	139.8	1.5	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-02860(-)** *1	367	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-03590(-)**-LC	417	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2

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FR-A870-04560(-**)-LC	465	169.4	1.5	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2

* 1 690 VAC power input

Note: ** indicates alpha numeric combination which means an inverter type such as E1 and E2.

◆ND rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A820-00046(0.4K)(-**)	1.1	15.0	3.6	3.6	3.6	3.0	3.0	3.0	2.9	2.9	IE2
FR-A820-00077(0.75K)(-**)	1.9	15.0	3.1	3.1	3.1	2.3	2.3	2.3	2.0	2.0	IE2
FR-A820-00105(1.5K)(-**)	3	21.0	3.4	3.4	3.4	2.5	2.5	2.5	2.2	2.2	IE2
FR-A820-00167(2.2K)(-**)	4.2	21.0	2.9	2.9	2.9	2.1	2.1	2.1	1.8	1.8	IE2
FR-A820-00250(3.7K)(-**)	6.7	21.0	2.6	2.6	2.6	1.9	1.9	1.9	1.5	1.5	IE2
FR-A820-00340(5.5K)(-**)	9.1	23.0	2.5	2.5	2.5	1.6	1.6	1.6	1.3	1.3	IE2
FR-A820-00490(7.5K)(-**)	13	23.0	2.6	2.3	2.3	1.5	1.4	1.5	1.1	1.1	IE2
FR-A820-00630(11K)(-**)	18	24.2	2.5	2.5	2.5	1.2	1.2	1.2	0.8	0.8	IE2
FR-A820-00770(15K)(-**)	23	30.7	3.1	3.0	3.1	1.6	1.6	1.6	1.2	1.2	IE2
FR-A820-00930(18.5K)(-**)	29	30.7	3.0	3.0	3.0	1.6	1.6	1.6	1.2	1.2	IE2
FR-A820-01250(22K)(-**)	34	30.7	2.9	2.9	2.9	1.5	1.5	1.5	1.1	1.1	IE2
FR-A820-01540(30K)(-**)	44	34.7	2.9	2.8	2.9	1.5	1.5	1.5	1.1	1.1	IE2
FR-A820-01870(37K)(-**)	55	43.6	2.6	2.6	2.6	1.4	1.4	1.4	1.0	1.0	IE2
FR-A820-02330(45K)(-**)	67	43.6	2.7	2.7	2.7	1.4	1.4	1.4	1.0	1.0	IE2
FR-A820-03160(55K)(-**)	82	73.0	2.4	2.4	2.4	1.2	1.2	1.2	0.8	0.8	IE2
FR-A820-03800(75K)(-**)	110	79.1	2.3	2.3	2.3	1.2	1.2	1.2	0.9	0.9	IE2
FR-A820-04750(90K)(-**)	132	70.9	2.4	2.4	2.4	1.2	1.1	1.2	0.7	0.7	IE2
FR-A840-00023(0.4K)(-**)	1.1	19.0	3.8	3.8	3.8	3.5	3.5	3.5	3.5	3.5	IE2
FR-A840-00038(0.75K)(-**)	1.9	19.0	2.9	2.9	2.9	2.2	2.2	2.2	2.0	2.0	IE2
FR-A840-00052(1.5K)(-**)	3	19.0	2.2	2.2	2.2	1.8	1.8	1.8	1.6	1.6	IE2
FR-A840-00083(2.2K)(-**)	4.6	22.0	2.2	2.2	2.2	1.7	1.6	1.7	1.5	1.5	IE2
FR-A840-00126(3.7K)(-**)	6.9	22.0	2.0	2.0	2.0	1.5	1.5	1.5	1.3	1.3	IE2
FR-A840-00170(5.5K)(-**)	9.1	27.0	1.9	1.9	1.9	1.4	1.4	1.4	1.2	1.2	IE2
FR-A840-00250(7.5K)(-**)	13	27.0	1.8	1.8	1.8	1.1	1.1	1.1	0.8	0.8	IE2
FR-A840-00310(11K)(-**)	18	28.5	1.8	1.8	1.8	1.1	1.0	1.0	0.8	0.8	IE2
FR-A840-00380(15K)(-**)	24	28.5	1.8	1.8	1.8	1.1	1.1	1.1	0.8	0.8	IE2
FR-A840-00470(18.5K)(-**)	29	34.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-00620(22K)(-**)	34	34.5	1.5	1.5	1.5	0.9	0.5	0.9	0.7	0.7	IE2
FR-A840-00770(30K)(-**)	43	40.3	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-00930(37K)(-**)	54	49.7	1.7	1.7	1.7	1.0	0.9	0.9	0.7	0.7	IE2
FR-A840-01160(45K)(-**)	66	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-01800(55K)(-**)	84	49.7	1.6	1.6	1.6	0.9	0.9	0.9	0.6	0.6	IE2
FR-A840-02160(75K)(-**)	110	70.9	1.9	1.9	1.9	1.0	1.0	0.9	0.6	0.6	IE2
FR-A840-02600(90K)(-**)	137	70.9	1.8	1.8	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A840-03250(110K)(-**)	165	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-03610(132K)(-**)	198	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-04320(160K)(-**)	248	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90:100) (%)	load point 2 (50:100) (%)	load point 3 (0:100) (%)	load point 4 (90:50) (%)	load point 5 (50:50) (%)	load point 6 (0:50) (%)	load point 7 (50:25) (%)	load point 8 (0:25) (%)	IE class
FR-A840-04810(185K)(-)**	275	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-05470(220K)(-)**	329	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-06100(250K)(-)**	367	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-06830(280K)(-)**	417	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-03250(110K)(-)**-LC *2	165	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-03610(132K)(-)**-LC *2	198	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-04320(160K)(-)**-LC *2	248	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-04810(185K)(-)**-LC *2	275	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-05470(220K)(-)**-LC *2	329	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-06100(250K)(-)**-LC *2	367	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-06830(280K)(-)**-LC *2	417	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840M-03630(160K)(-)**	160	166.4	1.5	1.5	1.5	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840M-04540(200K)(-)**	200	166.4	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A846-00023(0.4K)(-)**	1.1	19.0	3.8	3.8	3.8	3.5	3.5	3.5	3.5	3.5	IE2
FR-A846-00038(0.75K)(-)**	1.9	19.0	2.9	2.9	2.9	2.2	2.2	2.2	2.0	2.0	IE2
FR-A846-00052(1.5K)(-)**	3	19.0	2.2	2.2	2.2	1.8	1.8	1.8	1.6	1.6	IE2
FR-A846-00083(2.2K)(-)**	4.6	22.0	2.2	2.2	2.2	1.7	1.6	1.7	1.5	1.5	IE2
FR-A846-00126(3.7K)(-)**	6.9	22.0	2.0	2.0	2.0	1.5	1.5	1.5	1.3	1.3	IE2
FR-A846-00170(5.5K)(-)**	9.1	27.0	1.9	1.9	1.9	1.4	1.4	1.4	1.2	1.2	IE2
FR-A846-00250(7.5K)(-)**	13	27.0	1.8	1.8	1.8	1.1	1.1	1.1	0.8	0.8	IE2
FR-A846-00310(11K)(-)**	18	28.5	1.8	1.8	1.8	1.1	1.0	1.0	0.8	0.8	IE2
FR-A846-00380(15K)(-)**	24	28.5	1.8	1.8	1.8	1.1	1.1	1.1	0.8	0.8	IE2
FR-A846-00470(18.5K)(-)**	29	34.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A846-00620(22K)(-)**	34	34.5	1.5	1.5	1.5	0.9	0.5	0.9	0.7	0.7	IE2
FR-A846-00770(30K)(-)**	43	40.3	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A846-00930(37K)(-)**	54	49.7	1.7	1.7	1.7	1.0	0.9	0.9	0.7	0.7	IE2
FR-A846-01160(45K)(-)**	66	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-A846-01800(55K)(-)**	84	49.7	1.6	1.6	1.6	0.9	0.9	0.9	0.6	0.6	IE2
FR-A846-02160(75K)(-)**	110	70.9	1.9	1.9	1.7	1.0	1.0	0.9	0.6	0.6	IE2
FR-A846-02600(90K)(-)**	137	70.9	1.8	1.8	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A846-03250(110K)(-)**	165	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A846-03610(132K)(-)**	198	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-00550(-)** *1	55	67.3	1.2	1.2	1.2	0.7	0.7	0.7	0.6	0.6	IE2
FR-A870-00660(-)** *1	66	70.7	1.1	1.1	1.1	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-00890(-)** *1	79	70.7	1.1	1.1	1.1	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-02300(-)** *1	221	66.1	1.3	1.3	1.3	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-02860(-)** *1	275	66.1	1.3	1.3	1.3	0.7	0.7	0.7	0.5	0.5	IE2
FR-A870-03590(-)**-LC	382	218.7	1.3	1.3	1.3	0.8	0.8	0.8	0.6	0.6	IE2
FR-A870-04560(-)**-LC	484	218.7	1.3	1.3	1.3	0.7	0.7	0.7	0.6	0.6	IE2

* 1 690 VAC power input

* 2 The values for the FR-A840-LC inverters are the same as those for the FR-A800 inverters.

Note: ** indicates alpha numeric combination which means an inverter type such as E1 and E2.

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

◆HD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A820-00046(0.4K)(-)**	0.6	15.0	5.0	5.0	5.0	4.5	4.5	4.4	4.4	4.4	IE2
FR-A820-00077(0.75K)(-)**	1.1	15.0	3.5	3.5	3.5	2.9	2.9	2.9	2.6	2.6	IE2
FR-A820-00105(1.5K)(-)**	1.9	21.0	3.4	3.4	3.4	2.8	2.7	2.8	2.5	2.5	IE2
FR-A820-00167(2.2K)(-)**	3	21.0	3.1	3.0	3.1	2.3	2.3	2.3	2.0	2.0	IE2
FR-A820-00250(3.7K)(-)**	4.2	21.0	3.0	3.0	3.0	2.5	2.5	2.5	1.9	1.9	IE2
FR-A820-00340(5.5K)(-)**	6.7	23.0	2.4	2.4	2.4	1.7	1.7	1.7	1.4	1.4	IE2
FR-A820-00490(7.5K)(-)**	9.1	23.0	2.4	2.3	2.4	1.4	1.4	1.4	1.1	1.1	IE2
FR-A820-00630(11K)(-)**	13	24.2	2.5	2.5	2.5	1.3	1.3	1.3	0.9	0.9	IE2
FR-A820-00770(15K)(-)**	18	30.7	3.1	3.1	3.1	1.7	1.7	1.7	1.3	1.3	IE2
FR-A820-00930(18.5K)(-)**	23	30.7	3.1	3.1	3.1	1.7	1.7	1.7	1.3	1.3	IE2
FR-A820-01250(22K)(-)**	29	30.7	3.0	3.0	3.0	1.6	1.6	1.6	1.2	1.2	IE2
FR-A820-01540(30K)(-)**	34	34.7	2.7	2.7	2.7	1.5	1.5	1.5	1.1	1.1	IE2
FR-A820-01870(37K)(-)**	44	43.6	2.7	2.7	2.7	1.5	1.5	1.5	1.2	1.2	IE2
FR-A820-02330(45K)(-)**	55	43.6	2.6	2.6	2.6	1.4	1.3	1.4	1.0	1.0	IE2
FR-A820-03160(55K)(-)**	67	73.0	2.3	2.3	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-A820-03800(75K)(-)**	82	79.1	2.3	2.3	2.3	1.2	1.2	1.2	0.9	0.9	IE2
FR-A820-04750(90K)(-)**	110	70.9	2.3	2.3	2.3	1.1	1.1	1.1	0.7	0.7	IE2
FR-A840-00023(0.4K)(-)**	0.6	19.0	5.6	5.6	5.6	5.4	5.4	5.4	5.4	5.4	IE2
FR-A840-00038(0.75K)(-)**	1.1	19.0	2.6	2.6	2.6	2.2	2.2	2.2	2.2	2.3	IE2
FR-A840-00052(1.5K)(-)**	1.9	19.0	3.1	3.1	3.1	2.5	2.5	2.5	2.4	2.4	IE2
FR-A840-00083(2.2K)(-)**	3	22.0	2.4	2.4	2.4	1.9	1.9	1.9	1.7	1.8	IE2
FR-A840-00126(3.7K)(-)**	4.6	22.0	2.1	2.1	2.1	1.6	1.6	1.6	1.4	1.4	IE2
FR-A840-00170(5.5K)(-)**	6.9	22.0	1.8	1.8	1.8	1.4	1.4	1.4	1.2	1.2	IE2
FR-A840-00250(7.5K)(-)**	9.1	27.0	1.8	1.8	1.8	1.1	1.1	1.1	0.9	0.9	IE2
FR-A840-00310(11K)(-)**	13	28.5	1.8	1.8	1.8	1.1	1.1	1.1	0.9	0.9	IE2
FR-A840-00380(15K)(-)**	18	28.5	1.7	1.7	1.7	1.0	1.0	1.0	0.8	0.8	IE2
FR-A840-00470(18.5K)(-)**	24	34.5	1.5	1.5	1.5	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-00620(22K)(-)**	29	34.5	1.5	1.5	1.5	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-00770(30K)(-)**	34	40.3	1.6	1.5	1.5	1.0	1.0	1.0	0.8	0.8	IE2
FR-A840-00930(37K)(-)**	43	49.7	1.7	1.6	1.6	1.0	0.9	1.0	0.7	0.7	IE2
FR-A840-01160(45K)(-)**	54	49.7	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-01800(55K)(-)**	66	49.7	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A840-02160(75K)(-)**	84	70.9	1.9	1.9	1.7	1.0	1.0	0.9	0.6	0.6	IE2
FR-A840-02600(90K)(-)**	110	70.9	1.9	1.9	1.7	1.0	1.0	0.9	0.6	0.6	IE2
FR-A840-03250(110K)(-)**	137	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-03610(132K)(-)**	165	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-04320(160K)(-)**	198	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-04810(185K)(-)**	248	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-05470(220K)(-)**	275	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-06100(250K)(-)**	329	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-A840-06830(280K)(-)**	367	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as E1 and E2.

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

< FR-F800 series >

◆SLD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-F820-00046(0.75K)(-)**	1.8	15.0	3.3	3.3	3.3	2.6	2.6	2.6	2.5	2.5	IE2
FR-F820-00077(1.5K)(-)**	2.9	15.0	3.1	3.1	3.1	2.2	2.2	2.2	1.8	1.9	IE2
FR-F820-00105(2.2K)(-)**	4	21.0	3.3	3.3	3.3	2.4	2.4	2.4	2.0	2.0	IE2
FR-F820-00167(3.7K)(-)**	6.4	21.0	2.9	2.9	2.9	2.0	2.0	2.0	1.7	1.7	IE2
FR-F820-00250(5.5K)(-)**	10	21.0	3.0	3.0	3.0	2.1	2.1	2.1	1.7	1.7	IE2
FR-F820-00340(7.5K)(-)**	13	23.0	2.6	2.6	2.6	1.7	1.6	1.7	1.3	1.3	IE2
FR-F820-00490(11K)(-)**	19	23.0	2.6	2.6	2.6	1.4	1.4	1.4	1.0	1.0	IE2
FR-F820-00630(15K)(-)**	24	24.2	2.9	2.9	2.9	1.3	1.3	1.3	0.8	0.8	IE2
FR-F820-00770(18.5K)(-)**	29	30.7	3.2	3.2	3.2	1.6	1.6	1.6	1.2	1.2	IE2
FR-F820-00930(22K)(-)**	35	30.7	3.1	3.1	3.1	1.6	1.6	1.6	1.1	1.2	IE2
FR-F820-01250(30K)(-)**	48	30.7	3.1	3.1	3.1	1.6	1.6	1.6	1.1	1.1	IE2
FR-F820-01540(37K)(-)**	59	34.7	3.0	3.0	3.0	1.6	1.5	1.6	1.1	1.1	IE2
FR-F820-01870(45K)(-)**	71	43.6	2.8	2.8	2.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-F820-02330(55K)(-)**	89	43.6	2.9	2.9	2.9	1.4	1.4	1.4	1.0	1.0	IE2
FR-F820-03160(75K)(-)**	120	73.0	2.6	2.6	2.6	1.3	1.3	1.3	0.8	0.9	IE2
FR-F820-03800(90K)(-)**	145	79.1	2.4	2.4	2.4	1.3	1.3	1.3	0.9	0.9	IE2
FR-F820-04750(110K)(-)**	181	70.9	2.5	2.5	2.5	1.2	1.2	1.2	0.7	0.7	IE2
FR-F840-00023(0.75K)(-)**	1.8	19.0	3.2	3.2	3.2	2.8	2.8	2.8	2.8	2.8	IE2
FR-F840-00038(1.5K)(-)**	2.9	19.0	2.6	2.6	2.6	1.8	1.8	1.8	1.5	1.6	IE2
FR-F840-00052(2.2K)(-)**	4	19.0	2.1	2.1	2.1	1.6	1.6	1.6	1.4	1.4	IE2
FR-F840-00083(3.7K)(-)**	6.3	22.0	2.1	2.1	2.1	1.5	1.5	1.5	1.3	1.3	IE2
FR-F840-00126(5.5K)(-)**	10	22.0	2.1	2.1	2.1	1.4	1.4	1.4	1.2	1.2	IE2
FR-F840-00170(7.5K)(-)**	13	27.0	1.9	1.9	1.9	1.3	1.3	1.3	1.1	1.1	IE2
FR-F840-00250(11K)(-)**	19	27.0	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F840-00310(15K)(-)**	24	28.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F840-00380(18.5K)(-)**	29	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-F840-00470(22K)(-)**	36	34.5	1.6	1.6	1.6	2.3	2.3	2.3	0.7	0.7	IE2
FR-F840-00620(30K)(-)**	47	34.5	1.6	1.6	1.6	0.9	0.9	0.9	0.6	0.7	IE2
FR-F840-00770(37K)(-)**	59	40.3	1.6	1.5	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F840-00930(45K)(-)**	71	49.7	1.8	1.7	1.7	1.0	0.9	1.0	0.7	0.8	IE2
FR-F840-01160(55K)(-)**	88	49.7	1.8	1.7	1.8	0.9	0.9	0.9	0.7	0.7	IE2
FR-F840-01800(75K)(-)**	137	49.7	1.7	1.7	1.7	0.9	0.8	0.8	0.6	0.6	IE2
FR-F840-02160(90K)(-)**	165	70.9	1.8	1.8	1.6	0.9	0.9	0.8	0.6	0.5	IE2
FR-F840-02600(110K)(-)**	198	70.9	1.8	1.8	1.7	0.9	0.9	0.8	0.6	0.5	IE2
FR-F840-03250(132K)(-)**	248	99.1	1.5	1.5	1.5	0.7	0.7	0.7	0.5	0.5	IE2
FR-F840-03610(160K)(-)**	275	99.1	1.5	1.5	1.5	0.8	0.8	0.8	0.5	0.5	IE2
FR-F840-04320(185K)(-)**	329	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-F840-04810(220K)(-)**	367	139.8	1.5	1.5	1.5	0.8	0.8	0.8	0.5	0.5	IE2
FR-F840-05470(250K)(-)**	417	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.4	0.4	IE2
FR-F840-06100(280K)(-)**	465	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-F840-06830(315K)(-)**	521	169.4	1.5	1.5	1.5	0.7	0.7	0.7	0.5	0.5	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as E1 and E2.

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

◆LD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-F820-00046(0.75K)(-)**	1.6	15.0	3.3	3.3	3.3	2.7	2.7	2.7	2.5	2.5	IE2
FR-F820-00077(1.5K)(-)**	2.7	15.0	3.0	3.0	3.0	2.1	2.1	2.1	1.8	1.8	IE2
FR-F820-00105(2.2K)(-)**	3.7	21.0	3.3	3.3	3.3	2.4	2.4	2.4	2.1	2.1	IE2
FR-F820-00167(3.7K)(-)**	5.8	21.0	3.0	3.0	3.0	2.1	2.1	2.1	1.8	1.8	IE2
FR-F820-00250(5.5K)(-)**	8.8	21.0	3.0	3.0	3.0	2.1	2.1	2.1	1.9	1.9	IE2
FR-F820-00340(7.5K)(-)**	12	23.0	2.5	2.5	2.5	1.6	1.6	1.6	1.3	1.3	IE2
FR-F820-00490(11K)(-)**	17	23.0	2.6	2.6	2.6	1.4	1.4	1.4	1.0	1.0	IE2
FR-F820-00630(15K)(-)**	22	24.2	2.8	2.8	2.8	1.2	1.2	1.2	0.8	0.8	IE2
FR-F820-00770(18.5K)(-)**	27	30.7	3.2	3.1	3.2	1.6	1.6	1.6	1.2	1.2	IE2
FR-F820-00930(22K)(-)**	32	30.7	3.2	3.2	3.2	1.7	1.7	1.7	1.2	1.2	IE2
FR-F820-01250(30K)(-)**	43	30.7	3.2	3.2	3.2	1.6	1.6	1.6	1.1	1.2	IE2
FR-F820-01540(37K)(-)**	53	34.7	3.0	2.9	1.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-F820-01870(45K)(-)**	65	43.6	2.7	2.7	2.7	1.4	1.4	1.4	1.0	1.0	IE2
FR-F820-02330(55K)(-)**	81	43.6	2.8	2.8	2.8	1.4	1.4	1.4	1.0	1.0	IE2
FR-F820-03160(75K)(-)**	110	73.0	2.7	2.7	2.7	1.3	1.3	1.3	0.9	0.9	IE2
FR-F820-03800(90K)(-)**	132	79.1	2.4	2.4	2.4	1.3	1.3	1.3	0.9	0.9	IE2
FR-F820-04750(110K)(-)**	165	70.9	2.5	2.5	2.5	1.2	1.2	1.2	0.7	0.7	IE2
FR-F840-00023(0.75K)(-)**	1.6	19.0	3.3	3.3	3.3	2.9	2.9	2.9	2.9	2.9	IE2
FR-F840-00038(1.5K)(-)**	2.7	19.0	2.6	2.6	2.6	1.9	1.8	1.8	1.6	1.6	IE2
FR-F840-00052(2.2K)(-)**	3.7	19.0	2.1	2.1	2.1	1.7	1.7	1.7	1.5	1.5	IE2
FR-F840-00083(3.7K)(-)**	5.8	22.0	2.1	2.1	2.1	1.6	1.6	1.6	1.4	1.4	IE2
FR-F840-00126(5.5K)(-)**	8.8	22.0	2.1	2.1	2.1	1.4	1.4	1.4	1.2	1.2	IE2
FR-F840-00170(7.5K)(-)**	12	27.0	1.8	1.8	1.8	1.3	1.3	1.3	1.1	1.1	IE2
FR-F840-00250(11K)(-)**	18	27.0	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F840-00310(15K)(-)**	22	28.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F840-00380(18.5K)(-)**	27	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-F840-00470(22K)(-)**	33	28.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F840-00620(30K)(-)**	43	34.5	1.6	1.6	1.6	0.9	0.9	0.9	0.6	0.7	IE2
FR-F840-00770(37K)(-)**	53	40.3	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F840-00930(45K)(-)**	65	49.7	1.7	1.7	1.7	1.0	0.9	1.0	0.7	0.7	IE2
FR-F840-01160(55K)(-)**	81	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-F840-01800(75K)(-)**	110	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-F840-02160(90K)(-)**	137	70.9	1.8	1.8	1.6	0.9	0.9	0.8	0.6	0.5	IE2
FR-F840-02600(110K)(-)**	165	70.9	1.8	1.8	1.7	0.9	0.9	0.8	0.6	0.5	IE2
FR-F840-03250(132K)(-)**	198	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-F840-03610(160K)(-)**	248	99.1	1.5	1.5	1.5	0.8	0.8	0.8	0.5	0.5	IE2
FR-F840-04320(185K)(-)**	275	139.8	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-F840-04810(220K)(-)**	329	139.8	1.5	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-F840-05470(250K)(-)**	367	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-F840-06100(280K)(-)**	417	169.4	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-F840-06830(315K)(-)**	465	169.4	1.5	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-F846-00023(0.75K)(-)**	1.6	19.0	3.3	3.3	3.3	2.9	2.9	2.9	2.9	2.9	IE2
FR-F846-00038(1.5K)(-)**	2.7	19.0	2.6	2.6	2.6	1.9	1.8	1.8	1.6	1.6	IE2
FR-F846-00052(2.2K)(-)**	3.7	19.0	2.1	2.1	2.1	1.7	1.7	1.7	1.5	1.5	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-F846-00083(3.7K)(-)**	5.8	22.0	2.1	2.1	2.1	1.6	1.6	1.6	1.4	1.4	IE2
FR-F846-00126(5.5K)(-)**	8.8	22.0	2.1	2.1	2.1	1.4	1.4	1.4	1.2	1.2	IE2
FR-F846-00170(7.5K)(-)**	12	27.0	1.8	1.8	1.8	1.3	1.3	1.3	1.1	1.1	IE2
FR-F846-00250(11K)(-)**	18	27.0	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F846-00310(15K)(-)**	22	28.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F846-00380(18.5K)(-)**	27	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-F846-00470(22K)(-)**	33	28.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F846-00620(30K)(-)**	43	34.5	1.6	1.6	1.6	0.9	0.9	0.9	0.6	0.7	IE2
FR-F846-00770(37K)(-)**	53	40.3	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F846-00930(45K)(-)**	65	49.7	1.7	1.7	1.7	1.0	0.9	1.0	0.7	0.7	IE2
FR-F846-01160(55K)(-)**	81	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-F846-01800(75K)(-)**	110	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-F846-02160(90K)(-)**	137	70.9	1.8	1.8	1.6	0.9	0.9	0.8	0.6	0.5	IE2
FR-F846-02600(110K)(-)**	165	70.9	1.8	1.8	1.7	0.9	0.9	0.8	0.6	0.5	IE2
FR-F846-03250(132K)(-)**	198	99.1	1.4	1.4	1.4	0.7	0.7	0.7	0.5	0.5	IE2
FR-F846-03610(160K)(-)**	248	99.1	1.5	1.5	1.5	0.8	0.8	0.8	0.5	0.5	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as E1 and E2.

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

< FR-E800 series >

◆LD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-E820-0015(0.2K)(-)(**)	0.8	5.1	3.1	3.1	3.1	2.6	2.6	2.6	2.5	2.5	IE2
FR-E820-0030(0.4K)(-)(**)	1.4	5.1	2.9	2.9	3.0	2.3	2.3	2.4	2.3	2.3	IE2
FR-E820-0050(0.75K)(-)(**)	2.4	5.1	2.7	2.7	2.7	1.8	1.8	1.8	1.5	1.5	IE2
FR-E820-0080(1.5K)(-)(**)	3.8	9.2	2.7	2.7	2.7	1.8	1.8	1.9	1.5	1.5	IE2
FR-E820-0110(2.2K)(-)(**)	4.8	9.2	2.5	2.5	2.5	1.7	1.7	1.7	1.4	1.4	IE2
FR-E820-0175(3.7K)(-)(**)	7.8	10.2	2.5	2.5	2.5	1.7	1.7	1.7	1.4	1.4	IE2
FR-E820-0240(5.5K)(-)(**)	12	16.9	2.4	2.4	2.4	1.3	1.3	1.3	1.0	1.0	IE2
FR-E820-0330(7.5K)(-)(**)	15.9	16.9	2.4	2.4	2.4	1.3	1.3	1.3	0.9	0.9	IE2
FR-E820-0470(11K)(-)(**)	22.3	28.9	2.2	2.2	2.2	1.2	1.2	1.2	0.9	0.9	IE2
FR-E820-0600(15K)(-)(**)	27.5	28.9	2.3	2.3	2.3	1.2	1.2	1.2	0.9	0.9	IE2
FR-E820-0760(18.5K)(-)(**)	35.1	23.0	2.3	2.3	2.3	1.2	1.2	1.2	0.9	0.9	IE2
FR-E820-0900(22K)(-)(**)	45.8	23.0	2.5	2.5	2.5	1.3	1.3	1.3	0.9	0.9	IE2
FR-E840-0016(0.4K)(-)(**)	1.6	5.7	2.2	2.1	2.2	1.8	1.8	1.8	1.7	1.8	IE2
FR-E840-0026(0.75K)(-)(**)	2.7	5.7	2.2	2.1	2.2	1.4	1.4	1.4	1.2	1.2	IE2
FR-E840-0040(1.5K)(-)(**)	4.2	9.7	2.1	2.1	2.1	1.4	1.4	1.4	1.2	1.2	IE2
FR-E840-0060(2.2K)(-)(**)	5.3	9.8	1.8	1.8	1.8	1.3	1.3	1.3	1.1	1.1	IE2
FR-E840-0095(3.7K)(-)(**)	8.5	9.8	1.7	1.7	1.7	1.2	1.2	1.2	1.0	1.0	IE2
FR-E840-0120(5.5K)(-)(**)	13.3	14.5	1.7	1.6	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-E840-0170(7.5K)(-)(**)	17.5	14.5	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-E840-0230(11K)(-)(**)	26.7	26.5	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-E840-0300(15K)(-)(**)	31.2	26.5	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-E840-0380(18.5K)(-)(**)	34.3	26.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-E840-0440(22K)(-)(**)	45.7	26.5	1.3	1.3	1.3	0.7	0.7	0.7	0.5	0.5	IE2
FR-E860-0017(0.75K)(-)(**)	2.5	5.7	1.7	1.7	1.7	1.2	1.2	1.2	1.0	1.0	IE2
FR-E860-0027(1.5K)(-)(**)	3.6	9.8	1.4	1.4	1.4	1.1	1.1	1.1	0.9	0.9	IE2
FR-E860-0040(2.2K)(-)(**)	5.6	9.8	1.3	1.3	1.3	1.0	1.0	1.0	0.8	0.8	IE2
FR-E860-0061(3.7K)(-)(**)	8.2	14.5	1.3	1.3	1.3	0.9	0.9	0.9	0.8	0.8	IE2
FR-E860-0090(5.5K)(-)(**)	11	14.5	1.2	1.2	1.2	0.7	0.7	0.7	0.6	0.6	IE2
FR-E860-0120(7.5K)(-)(**)	16	14.5	1.2	1.1	1.1	0.7	0.7	0.7	0.5	0.5	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as EPA and EPB.

◆ND rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-E820-0015(0.2K)(-)(**)	0.6	5.1	3.2	3.2	3.3	2.8	2.8	2.8	2.7	2.8	IE2
FR-E820-0030(0.4K)(-)(**)	1.2	5.1	2.9	2.9	2.9	2.3	2.3	2.4	2.3	2.3	IE2
FR-E820-0050(0.75K)(-)(**)	2	5.1	2.6	2.6	2.7	1.8	1.8	1.8	1.5	1.5	IE2
FR-E820-0080(1.5K)(-)(**)	3.2	9.2	2.6	2.6	2.7	1.8	1.8	1.9	1.5	1.5	IE2
FR-E820-0110(2.2K)(-)(**)	4.4	9.2	2.5	2.5	2.5	1.7	1.7	1.7	1.4	1.4	IE2
FR-E820-0175(3.7K)(-)(**)	7	10.2	2.5	2.5	2.5	1.7	1.7	1.7	1.3	1.4	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-E820-0240(5.5K)(-)(**)	9.6	16.9	2.3	2.3	2.3	1.3	1.3	1.3	1.0	1.0	IE2
FR-E820-0330(7.5K)(-)(**)	13.1	16.9	2.3	2.3	2.3	1.3	1.3	1.3	0.9	0.9	IE2
FR-E820-0470(11K)(-)(**)	18.7	28.9	2.2	2.2	2.2	1.2	1.2	1.2	0.9	0.9	IE2
FR-E820-0600(15K)(-)(**)	23.9	28.9	2.2	2.2	2.2	1.2	1.2	1.2	0.9	0.9	IE2
FR-E820-0760(18.5K)(-)(**)	30.3	23.0	2.3	2.2	2.3	1.2	1.2	1.2	0.9	0.9	IE2
FR-E820-0900(22K)(-)(**)	35.9	23.0	2.3	2.3	2.3	1.2	1.2	1.2	0.9	0.9	IE2
FR-E840-0016(0.4K)(-)(**)	1.2	5.7	2.2	2.2	2.2	1.9	1.9	1.9	1.8	1.9	IE2
FR-E840-0026(0.75K)(-)(**)	2	5.7	2.0	2.0	2.0	1.5	1.4	1.5	1.2	1.2	IE2
FR-E840-0040(1.5K)(-)(**)	3	9.7	2.0	2.0	2.0	1.4	1.4	1.4	1.2	1.2	IE2
FR-E840-0060(2.2K)(-)(**)	4.6	9.8	1.8	1.8	1.8	1.3	1.3	1.3	1.1	1.1	IE2
FR-E840-0095(3.7K)(-)(**)	7.2	9.8	1.7	1.7	1.7	1.2	1.2	1.2	1.1	1.1	IE2
FR-E840-0120(5.5K)(-)(**)	9.1	14.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-E840-0170(7.5K)(-)(**)	13	14.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-E840-0230(11K)(-)(**)	17.5	26.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-E840-0300(15K)(-)(**)	22.9	26.5	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-E840-0380(18.5K)(-)(**)	29	26.5	1.2	1.2	1.2	0.7	0.7	0.7	0.5	0.5	IE2
FR-E840-0440(22K)(-)(**)	33.5	26.5	1.2	1.2	1.2	0.7	0.7	0.7	0.5	0.5	IE2
FR-E860-0017(0.75K)(-)(**)	1.7	5.7	1.7	2.0	2.0	1.4	1.4	1.4	1.2	1.2	IE2
FR-E860-0027(1.5K)(-)(**)	2.7	9.8	1.5	1.5	1.5	1.2	1.2	1.2	1.1	1.1	IE2
FR-E860-0040(2.2K)(-)(**)	4	9.8	1.4	1.4	1.4	1.0	1.0	1.0	0.9	0.9	IE2
FR-E860-0061(3.7K)(-)(**)	6.1	14.5	1.3	1.3	1.3	1.0	1.0	1.0	0.9	0.9	IE2
FR-E860-0090(5.5K)(-)(**)	9	14.5	1.2	1.2	1.2	0.8	0.7	0.7	0.6	0.6	IE2
FR-E860-0120(7.5K)(-)(**)	12	14.5	1.1	1.1	1.1	0.7	0.7	0.7	0.5	0.5	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as EPA and EPB.

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

< FREQROL-CS80 series >

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-CS84-012(0.4K)-60	0.9	5.1	1.8	1.8	1.8	1.6	1.6	1.6	1.6	1.6	IE2
FR-CS84-022(0.75K)-60	1.7	5.1	1.6	1.6	1.6	1.2	1.2	1.2	1.0	1.0	IE2
FR-CS84-036(1.5K)-60	2.7	5.1	1.7	1.6	1.6	1.1	1.1	1.1	1.0	0.9	IE2
FR-CS84-050(2.2K)-60	3.8	5.1	1.8	1.8	1.8	1.3	1.3	1.3	1.0	1.0	IE2
FR-CS84-080(3.7K)-60	6.1	9.2	1.8	1.8	1.8	1.3	1.3	1.3	1.1	1.1	IE2
FR-CS84-120(5.5K)-60	9.1	9.2	1.5	1.5	1.5	0.8	0.8	0.8	0.6	0.6	IE2
FR-CS84-160(7.5K)-60	12.2	10.2	1.5	1.5	1.5	0.8	0.8	0.8	0.6	0.6	IE2
FR-CS84-230(11K)-60	17.5	16.9	2.3	2.2	2.3	1.3	1.3	1.3	0.9	1.0	IE2
FR-CS84-295(15K)-60	22.5	16.9	2.0	2.0	2.0	1.1	1.1	1.1	0.8	0.8	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

< FR-A700 series >

◆ SLD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A720-00030(0.4K)(-)**	1.1	15.0	3.6	3.6	3.6	3.0	3.0	3.0	2.9	2.9	IE2
FR-A720-00050(0.75K)(-)**	1.9	15.0	3.3	3.3	3.3	2.3	2.3	2.3	2.0	2.0	IE2
FR-A720-00080(1.5K)(-)**	3.1	21.0	3.6	3.6	3.6	2.6	2.6	2.6	2.3	2.3	IE2
FR-A720-00110(2.2K)(-)**	4.2	21.0	3.4	3.4	3.4	2.3	2.3	2.3	1.9	1.9	IE2
FR-A720-00175(3.7K)(-)**	6.7	21.0	3.0	3.0	3.0	2.0	2.0	2.0	1.6	1.6	IE2
FR-A720-00240(5.5K)(-)**	9.2	23.0	3.3	3.3	3.3	1.8	1.8	1.8	1.4	1.4	IE2
FR-A720-00330(7.5K)(-)**	12.6	23.0	3.3	3.2	3.3	1.7	1.7	1.7	1.3	1.3	IE2
FR-A720-00460(11K)(-)**	17.6	24.2	2.8	2.8	2.8	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-00610(15K)(-)**	23.3	30.7	3.0	3.0	3.0	1.7	1.7	1.7	1.2	1.2	IE2
FR-A720-00760(18.5K)(-)**	29	25.0	2.8	2.8	2.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-A720-00900(22K)(-)**	34	27.0	3.0	3.0	3.0	1.6	1.6	1.6	1.2	1.2	IE2
FR-A720-01150(30K)(-)**	44	42.0	2.7	2.7	2.7	1.5	1.5	1.5	1.1	1.1	IE2
FR-A720-01450(37K)(-)**	55	46.0	2.5	2.5	2.5	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-01750(45K)(-)**	67	46.0	2.6	2.6	2.6	1.3	1.3	1.3	0.9	0.9	IE2
FR-A720-02150(55K)(-)**	82	52.0	2.6	2.6	2.6	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-02880(75K)(-)**	110	79.1	2.3	2.3	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-A720-03460(90K)(-)**	132	79.1	2.3	2.3	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-A740-00023/00015(0.4K)(-)**	1.1	19.0	3.2	3.2	3.2	2.7	2.7	2.7	2.7	2.7	IE2
FR-A740-00038/00025(0.75K)(-)**	1.9	19.0	2.7	2.7	2.7	2.0	2.0	2.0	1.8	1.8	IE2
FR-A740-00052/00040(1.5K)(-)**	3	19.0	2.5	2.5	2.5	1.8	1.8	1.8	1.6	1.6	IE2
FR-A740-00083/00060(2.2K)(-)**	4.6	22.0	2.5	2.4	2.5	1.7	1.7	1.7	1.4	1.4	IE2
FR-A740-00126/00090(3.7K)(-)**	6.9	22.0	2.2	2.2	2.2	1.5	1.5	1.5	1.3	1.3	IE2
FR-A740-00170/00120(5.5K)(-)**	9.1	27.0	2.1	2.1	2.1	1.2	1.2	1.2	0.9	0.9	IE2
FR-A740-00250/00170(7.5K)(-)**	13	27.0	2.0	2.0	2.0	1.1	1.1	1.1	0.8	0.9	IE2
FR-A740-00310/00230(11K)(-)**	17.5	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-00380/00310(15K)(-)**	23.6	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-00470/00380(18.5K)(-)**	29	34.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00620/00440(22K)(-)**	32.8	34.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00770/00570(30K)(-)**	43.4	40.3	1.8	1.8	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-00930/00710(37K)(-)**	54	49.7	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-01160/00860(45K)(-)**	65	49.7	1.9	1.9	1.9	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-01800/01100(55K)(-)**	84	49.7	1.8	1.8	1.8	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-02160/01440(75K)(-)**	110	70.9	1.9	1.9	1.9	1.2	1.0	1.0	0.8	0.8	IE2
FR-A740-02600/01800(90K)(-)**	137	70.9	2.1	2.1	2.1	1.1	1.1	1.1	0.8	0.8	IE2
FR-A740-03250/02160(110K)(-)**	165	99.1	1.7	1.6	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-03610/02600(132K)(-)**	198	99.1	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-04320/03250(160K)(-)**	248	139.8	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-04810/03610(185K)(-)**	275	139.8	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-05470/04320(220K)(-)**	329	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-06100/04810(250K)(-)**	367	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-06830/05470(280K)(-)**	417	169.4	1.7	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-07700/06100(315K)(-)**	465	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A740-08660/06830(355K)(-)**	521	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-09620/07700(400K)(-)**	587	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-10940/08660(450K)(-)**	660	205.9	1.7	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-12120/09620(500K)(-)**	733	205.9	1.7	1.7	1.7	0.8	0.8	0.8	0.6	0.6	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as EC and NA.

◆LD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A720-00030(0.4K)(-)**	1.1	15.0	3.6	3.6	3.6	3.0	3.0	3.0	3.0	3.0	IE2
FR-A720-00050(0.75K)(-)**	1.9	15.0	3.3	3.3	3.3	2.4	2.4	2.4	2.0	2.0	IE2
FR-A720-00080(1.5K)(-)**	3.1	21.0	3.6	3.6	3.6	2.6	2.6	2.6	2.3	2.3	IE2
FR-A720-00110(2.2K)(-)**	4.2	21.0	3.4	3.4	3.4	2.3	2.3	2.3	1.9	1.9	IE2
FR-A720-00175(3.7K)(-)**	6.7	21.0	3.0	3.0	3.0	2.0	2.0	2.0	1.6	1.6	IE2
FR-A720-00240(5.5K)(-)**	9.2	23.0	3.3	3.3	3.3	1.8	1.8	1.8	1.4	1.4	IE2
FR-A720-00330(7.5K)(-)**	12.6	23.0	3.5	3.5	3.5	1.9	1.8	1.9	1.4	1.4	IE2
FR-A720-00460(11K)(-)**	17.6	24.2	2.7	2.7	2.7	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-00610(15K)(-)**	23.3	30.7	2.9	2.9	2.9	1.6	1.6	1.6	1.2	1.2	IE2
FR-A720-00760(18.5K)(-)**	29	25.0	2.9	2.9	2.9	1.6	1.6	1.6	1.2	1.2	IE2
FR-A720-00900(22K)(-)**	34	27.0	3.0	3.0	3.0	1.6	1.6	1.6	1.2	1.2	IE2
FR-A720-01150(30K)(-)**	44	42.0	2.7	2.7	2.7	1.5	1.5	1.5	1.1	1.1	IE2
FR-A720-01450(37K)(-)**	55	46.0	2.5	2.5	2.5	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-01750(45K)(-)**	67	46.0	2.6	2.6	2.6	1.3	1.3	1.3	0.9	0.9	IE2
FR-A720-02150(55K)(-)**	82	52.0	2.6	2.6	2.6	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-02880(75K)(-)**	110	79.1	2.3	2.2	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-A720-03460(90K)(-)**	132	79.1	2.3	2.3	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-A740-00023/00015(0.4K)(-)**	1.1	19.0	3.3	3.3	3.3	2.8	2.8	2.8	2.8	2.8	IE2
FR-A740-00038/00025(0.75K)(-)**	1.9	19.0	2.8	2.8	2.8	2.1	2.1	2.1	1.8	1.8	IE2
FR-A740-00052/00040(1.5K)(-)**	3	19.0	2.5	2.5	2.5	1.9	1.9	1.9	1.6	1.6	IE2
FR-A740-00083/00060(2.2K)(-)**	4.6	22.0	2.4	2.4	2.4	1.7	1.7	1.7	1.5	1.5	IE2
FR-A740-00126/00090(3.7K)(-)**	6.9	22.0	2.2	2.2	2.2	1.5	1.5	1.5	1.3	1.3	IE2
FR-A740-00170/00120(5.5K)(-)**	9.1	27.0	2.1	2.1	2.1	1.2	1.2	1.2	0.9	0.9	IE2
FR-A740-00250/00170(7.5K)(-)**	13	27.0	2.0	2.0	2.0	1.1	1.1	1.1	0.9	0.9	IE2
FR-A740-00310/00230(11K)(-)**	17.5	28.5	1.8	1.7	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-00380/00310(15K)(-)**	23.6	28.5	1.7	1.7	1.7	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-00470/00380(18.5K)(-)**	29	34.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00620/00440(22K)(-)**	32.8	34.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00770/00570(30K)(-)**	43.4	40.3	1.8	1.7	1.7	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-00930/00710(37K)(-)**	54	49.7	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-01160/00860(45K)(-)**	65	49.7	1.8	1.8	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-01800/01100(55K)(-)**	84	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-02160/01440(75K)(-)**	110	70.9	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-02600/01800(90K)(-)**	137	70.9	2.0	2.0	2.0	1.1	1.1	1.1	0.8	0.8	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A740-03250/02160(110K)(-)**	165	99.1	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-03610/02600(132K)(-)**	198	99.1	1.7	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-04320/03250(160K)(-)**	248	139.8	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-04810/03610(185K)(-)**	275	139.8	1.7	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-05470/04320(220K)(-)**	329	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-06100/04810(250K)(-)**	367	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-06830/05470(280K)(-)**	417	169.4	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-07700/06100(315K)(-)**	465	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-08660/06830(355K)(-)**	521	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-09620/07700(400K)(-)**	587	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-10940/08660(450K)(-)**	660	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-12120/09620(500K)(-)**	733	205.9	1.7	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as EC and NA.

◆ND rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A720-00030(0.4K)(-)**	1.1	15.0	4.1	4.1	4.1	3.5	3.5	3.5	3.5	3.5	IE2
FR-A720-00050(0.75K)(-)**	1.9	15.0	3.4	3.4	3.4	2.6	2.6	2.6	2.2	2.2	IE2
FR-A720-00080(1.5K)(-)**	3.1	21.0	3.6	3.6	3.6	2.7	2.7	2.7	2.4	2.4	IE2
FR-A720-00110(2.2K)(-)**	4.2	21.0	3.3	3.3	3.3	2.3	2.3	2.3	2.0	2.0	IE2
FR-A720-00175(3.7K)(-)**	6.7	21.0	2.9	2.9	2.9	2.0	2.0	2.0	1.6	1.6	IE2
FR-A720-00240(5.5K)(-)**	9.2	23.0	3.2	3.1	3.2	1.8	1.8	1.8	1.4	1.4	IE2
FR-A720-00330(7.5K)(-)**	12.6	23.0	3.3	3.2	3.2	1.8	1.8	1.8	1.4	1.4	IE2
FR-A720-00460(11K)(-)**	17.6	24.2	2.8	2.8	2.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-A720-00610(15K)(-)**	23.3	30.7	2.9	2.9	2.9	1.7	1.7	1.7	1.2	1.2	IE2
FR-A720-00760(18.5K)(-)**	29	25.0	2.8	2.8	2.8	1.6	1.6	1.6	1.2	1.2	IE2
FR-A720-00900(22K)(-)**	34	27.0	2.8	2.8	2.8	1.6	1.6	1.6	1.2	1.2	IE2
FR-A720-01150(30K)(-)**	44	42.0	2.6	2.6	2.6	1.5	1.5	1.5	1.1	1.1	IE2
FR-A720-01450(37K)(-)**	55	46.0	2.5	2.5	2.5	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-01750(45K)(-)**	67	46.0	2.5	2.5	2.5	1.3	1.3	1.3	0.9	0.9	IE2
FR-A720-02150(55K)(-)**	82	52.0	2.5	2.5	2.5	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-02880(75K)(-)**	110	79.1	2.3	2.3	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-A720-03460(90K)(-)**	132	79.1	2.4	2.4	2.4	1.2	1.2	1.2	0.9	0.9	IE2
FR-A740-00023/00015(0.4K)(-)**	1.1	19.0	4.1	4.1	4.1	3.7	3.7	3.7	3.7	3.7	IE2
FR-A740-00038/00025(0.75K)(-)**	1.9	19.0	3.2	3.2	3.2	2.5	2.5	2.5	2.3	2.3	IE2
FR-A740-00052/00040(1.5K)(-)**	3	19.0	2.6	2.6	2.6	1.9	1.9	1.9	1.7	1.7	IE2
FR-A740-00083/00060(2.2K)(-)**	4.6	22.0	2.4	2.4	2.4	1.8	1.8	1.8	1.5	1.5	IE2
FR-A740-00126/00090(3.7K)(-)**	6.9	22.0	2.2	2.1	2.1	1.5	1.5	1.5	1.3	1.3	IE2
FR-A740-00170/00120(5.5K)(-)**	9.1	27.0	2.0	2.0	2.0	1.2	1.2	1.2	1.0	1.0	IE2
FR-A740-00250/00170(7.5K)(-)**	13	27.0	1.9	1.9	1.9	1.1	1.1	1.1	0.9	0.9	IE2
FR-A740-00310/00230(11K)(-)**	17.5	28.5	1.7	1.7	1.7	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00380/00310(15K)(-)**	23.6	28.5	1.7	1.7	1.7	1.0	1.0	1.0	0.7	0.7	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A740-00470/00380(18.5K)(-)**	29	34.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00620/00440(22K)(-)**	32.8	34.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00770/00570(30K)(-)**	43.4	40.3	1.7	1.7	1.7	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-00930/00710(37K)(-)**	54	49.7	1.9	1.9	1.9	1.1	1.1	1.1	0.8	0.8	IE2
FR-A740-01160/00860(45K)(-)**	65	49.7	1.9	1.8	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-01800/01100(55K)(-)**	84	49.7	1.9	1.9	1.9	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-02160/01440(75K)(-)**	110	70.9	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-02600/01800(90K)(-)**	137	70.9	2.0	2.0	2.0	1.1	1.1	1.1	0.8	0.8	IE2
FR-A740-03250/02160(110K)(-)**	165	99.1	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-03610/02600(132K)(-)**	198	99.1	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-04320/03250(160K)(-)**	248	139.8	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-04810/03610(185K)(-)**	275	139.8	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-05470/04320(220K)(-)**	329	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-06100/04810(250K)(-)**	367	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-06830/05470(280K)(-)**	417	169.4	1.6	1.6	1.6	0.9	0.8	0.8	0.6	0.6	IE2
FR-A740-07700/06100(315K)(-)**	465	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-08660/06830(355K)(-)**	521	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-09620/07700(400K)(-)**	587	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-10940/08660(450K)(-)**	660	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-12120/09620(500K)(-)**	733	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A770-355K-79	463	166.9	2.2	2.2	2.2	1.3	1.3	1.3	1.0	1.0	IE2
FR-A770-560K-79	730	205.9	2.2	2.2	2.2	1.2	1.2	1.2	0.9	0.9	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as EC and NA.

◆HD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-A720-00030(0.4K)(-)**	1.1	15.0	5.3	5.3	5.3	4.8	4.8	4.8	4.8	4.8	IE2
FR-A720-00050(0.75K)(-)**	1.9	15.0	3.8	3.8	3.8	3.0	3.0	3.0	2.7	2.7	IE2
FR-A720-00080(1.5K)(-)**	3.1	21.0	3.9	3.9	3.9	3.1	3.1	3.1	2.8	2.8	IE2
FR-A720-00110(2.2K)(-)**	4.2	21.0	3.4	3.4	3.4	2.5	2.5	2.5	2.1	2.1	IE2
FR-A720-00175(3.7K)(-)**	6.7	21.0	3.9	3.9	3.9	2.7	2.7	2.7	2.2	2.3	IE2
FR-A720-00240(5.5K)(-)**	9.2	23.0	3.1	3.1	3.1	1.9	1.9	1.9	1.5	1.5	IE2
FR-A720-00330(7.5K)(-)**	12.6	23.0	3.1	3.1	3.1	1.8	1.8	1.8	1.4	1.4	IE2
FR-A720-00460(11K)(-)**	17.6	24.2	2.4	2.4	2.4	1.3	1.3	1.3	0.9	0.9	IE2
FR-A720-00610(15K)(-)**	23.3	30.7	2.8	2.8	2.8	1.7	1.7	1.7	1.3	1.3	IE2
FR-A720-00760(18.5K)(-)**	29	25.0	2.7	2.7	2.7	1.5	1.5	1.5	1.2	1.2	IE2
FR-A720-00900(22K)(-)**	34	27.0	2.7	2.7	2.7	1.5	1.5	1.5	1.1	1.1	IE2
FR-A720-01150(30K)(-)**	44	42.0	2.5	2.5	2.5	1.5	1.5	1.5	1.1	1.1	IE2
FR-A720-01450(37K)(-)**	55	46.0	2.4	2.4	2.4	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-01750(45K)(-)**	67	46.0	2.4	2.4	2.4	1.3	1.3	1.3	1.0	1.0	IE2
FR-A720-02150(55K)(-)**	82	52.0	2.4	2.4	2.4	1.4	1.4	1.4	1.0	1.0	IE2
FR-A720-02880(75K)(-)**	110	79.1	2.2	2.2	2.2	1.1	1.1	1.1	0.8	0.8	IE2
FR-A720-03460(90K)(-)**	132	79.1	2.2	2.2	2.2	1.2	1.2	1.2	0.8	0.8	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90:100) (%)	load point 2 (50:100) (%)	load point 3 (0:100) (%)	load point 4 (90:50) (%)	load point 5 (50:50) (%)	load point 6 (0:50) (%)	load point 7 (50:25) (%)	load point 8 (0:25) (%)	IE class
FR-A740-00023/00015(0.4K)(-)**	1.1	19.0	5.4	5.4	5.4	5.2	5.2	5.2	5.2	5.2	IE2
FR-A740-00038/00025(0.75K)(-)**	1.9	19.0	3.6	3.6	3.6	3.1	3.1	3.1	2.9	2.9	IE2
FR-A740-00052/00040(1.5K)(-)**	3	19.0	2.8	2.8	2.8	2.3	2.3	2.3	2.1	2.1	IE2
FR-A740-00083/00060(2.2K)(-)**	4.6	22.0	2.6	2.5	2.5	2.0	2.0	2.0	1.8	1.8	IE2
FR-A740-00126/00090(3.7K)(-)**	6.9	22.0	2.2	2.2	2.2	1.7	1.7	1.7	1.4	1.5	IE2
FR-A740-00170/00120(5.5K)(-)**	9.1	27.0	2.0	2.0	2.0	1.3	1.3	1.3	1.1	1.1	IE2
FR-A740-00250/00170(7.5K)(-)**	13	27.0	1.9	1.9	1.9	1.2	1.2	1.2	0.9	0.9	IE2
FR-A740-00310/00230(11K)(-)**	17.5	28.5	1.6	1.6	1.6	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00380/00310(15K)(-)**	23.6	28.5	1.7	1.6	1.7	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-00470/00380(18.5K)(-)**	29	34.5	1.7	1.7	1.7	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00620/00440(22K)(-)**	32.8	34.5	1.8	1.7	1.7	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-00770/00570(30K)(-)**	43.4	40.3	1.7	1.6	1.6	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-00930/00710(37K)(-)**	54	49.7	1.7	1.7	1.7	1.0	1.0	1.0	0.8	0.8	IE2
FR-A740-01160/00860(45K)(-)**	65	49.7	1.7	1.7	1.7	1.0	1.0	1.0	0.7	0.7	IE2
FR-A740-01800/01100(55K)(-)**	84	49.7	1.6	1.6	1.6	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-02160/01440(75K)(-)**	110	70.9	1.9	1.9	1.9	1.1	1.1	1.1	0.8	0.8	IE2
FR-A740-02600/01800(90K)(-)**	137	70.9	2.0	2.0	2.0	1.1	1.1	1.1	0.8	0.8	IE2
FR-A740-03250/02160(110K)(-)**	165	99.1	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-03610/02600(132K)(-)**	198	99.1	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-04320/03250(160K)(-)**	248	139.8	2.1	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-04810/03610(185K)(-)**	275	139.8	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-A740-05470/04320(220K)(-)**	329	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-06100/04810(250K)(-)**	367	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-A740-06830/05470(280K)(-)**	417	169.4	1.6	1.6	1.6	0.9	0.8	0.8	0.6	0.6	IE2
FR-A740-07700/06100(315K)(-)**	465	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-08660/06830(355K)(-)**	521	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-09620/07700(400K)(-)**	587	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-10940/08660(450K)(-)**	660	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-A740-12120/09620(500K)(-)**	733	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as EC and NA.

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

< FR-F700 series >

◆ SLD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-F720-00046(0.75K)(-)**	1.1	15.0	3.6	3.6	3.6	3.0	3.0	3.0	2.9	2.9	IE2
FR-F720-00077(1.5K)(-)**	1.9	15.0	3.3	3.3	3.3	2.3	2.3	2.3	2.0	2.0	IE2
FR-F720-00105(2.2K)(-)**	3.1	21.0	3.6	3.6	3.6	2.6	2.6	2.6	2.3	2.3	IE2
FR-F720-00167(3.7K)(-)**	4.2	21.0	3.4	3.4	3.4	2.3	2.3	2.3	1.9	1.9	IE2
FR-F720-00250(5.5K)(-)**	6.7	21.0	3.0	3.0	3.0	2.0	2.0	2.0	1.6	1.6	IE2
FR-F720-00340(7.5K)(-)**	9.2	23.0	3.3	3.3	3.3	1.8	1.8	1.8	1.4	1.4	IE2
FR-F720-00490(11K)(-)**	12.6	23.0	3.3	3.2	3.3	1.7	1.7	1.7	1.3	1.3	IE2
FR-F720-00630(15K)(-)**	17.6	24.2	2.8	2.8	2.8	1.4	1.4	1.4	1.0	1.0	IE2
FR-F720-00770(18.5K)(-)**	23.3	30.7	3.0	3.0	3.0	1.7	1.7	1.7	1.2	1.2	IE2
FR-F720-00930(22K)(-)**	29	25.0	2.8	2.8	2.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-F720-01250(30K)(-)**	34	27.0	3.0	3.0	3.0	1.6	1.6	1.6	1.2	1.2	IE2
FR-F720-01540(37K)(-)**	44	42.0	2.7	2.7	2.7	1.5	1.5	1.5	1.1	1.1	IE2
FR-F720-01870(45K)(-)**	55	46.0	2.5	2.5	2.5	1.4	1.4	1.4	1.0	1.0	IE2
FR-F720-02330(55K)(-)**	67	46.0	2.6	2.6	2.6	1.3	1.3	1.3	0.9	0.9	IE2
FR-F720-03160(75K)(-)**	82	52.0	2.6	2.6	2.6	1.4	1.4	1.4	1.0	1.0	IE2
FR-F720-03800(90K)(-)**	110	79.1	2.3	2.3	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-F720-04750(110K)(-)**	132	79.1	2.3	2.3	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-F740-00023(0.75K)(-)**	1.1	19.0	3.2	3.2	3.2	2.7	2.7	2.7	2.7	2.7	IE2
FR-F740-00038(1.5K)(-)**	1.9	19.0	2.7	2.7	2.7	2.0	2.0	2.0	1.8	1.8	IE2
FR-F740-00052(2.2K)(-)**	3	19.0	2.5	2.5	2.5	1.8	1.8	1.8	1.6	1.6	IE2
FR-F740-00083(3.7K)(-)**	4.6	22.0	2.5	2.4	2.5	1.7	1.7	1.7	1.4	1.4	IE2
FR-F740-00126(5.5K)(-)**	6.9	22.0	2.2	2.2	2.2	1.5	1.5	1.5	1.3	1.3	IE2
FR-F740-00170(7.5K)(-)**	9.1	27.0	2.1	2.1	2.1	1.2	1.2	1.2	0.9	0.9	IE2
FR-F740-00250(11K)(-)**	13	27.0	2.0	2.0	2.0	1.1	1.1	1.1	0.8	0.9	IE2
FR-F740-00310(15K)(-)**	17.5	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-00380(18.5K)(-)**	23.6	28.5	1.8	1.8	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-00470(22K)(-)**	29	34.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-F740-00620(30K)(-)**	32.8	34.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F740-00770(37K)(-)**	43.4	40.3	1.8	1.8	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-00930(45K)(-)**	54	49.7	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-F740-01160(55K)(-)**	65	49.7	1.9	1.9	1.9	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-01440(-)**	65	49.7	1.9	1.9	1.9	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-S75K(-)**											
FR-F740-01800(75K)(-)**	84	49.7	1.8	1.8	1.8	0.9	0.9	0.9	0.6	0.6	IE2
FR-F740-S90K(-)**											
FR-F740-02160(90K)(-)**	110	70.9	1.9	1.9	1.9	1.2	1.0	1.0	0.8	0.8	IE2
FR-F740-S110K(-)**											
FR-F740-02600(110K)(-)**	137	70.9	2.1	2.1	2.1	1.1	1.1	1.1	0.8	0.8	IE2
FR-F740-S132K(-)**											
FR-F740-03250(132K)(-)**	165	99.1	1.7	1.6	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-S160K(-)**											
FR-F740-03610(160K)(-)**	198	99.1	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-S185K(-)**											

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-F740-04320(185K)(-**) / FR-F740-S220K(-**)	248	139.8	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-04810(220K)(-**) / FR-F740-S250K(-**)	275	139.8	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-05470(250K)(-**) / FR-F740-S280K(-**)	329	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-F740-06100(280K)(-**) / FR-F740-S315K(-**)	367	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-F740-06830(315K)(-**) / FR-F740-S355K(-**)	417	169.4	1.7	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-07700(355K)(-**) / FR-F740-S400K(-**)	465	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-08660(400K)(-**) / FR-F740-S450K(-**)	521	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-09620(450K)(-**) / FR-F740-S500K(-**)	587	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-10940(500K)(-**) / FR-F740-S560K(-**)	660	205.9	1.7	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-12120(560K)(-**) / FR-F740-S630K(-**)	733	205.9	1.7	1.7	1.7	0.8	0.8	0.8	0.6	0.6	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as EC and NA.

◆LD rated

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-F720-00046(0.75K)(-**)	1.1	15.0	3.6	3.6	3.6	3.0	3.0	3.0	3.0	3.0	IE2
FR-F720-00077(1.5K)(-**)	1.9	15.0	3.3	3.3	3.3	2.4	2.4	2.4	2.0	2.0	IE2
FR-F720-00105(2.2K)(-**)	3.1	21.0	3.6	3.6	3.6	2.6	2.6	2.6	2.3	2.3	IE2
FR-F720-00167(3.7K)(-**)	4.2	21.0	3.4	3.4	3.4	2.3	2.3	2.3	1.9	1.9	IE2
FR-F720-00250(5.5K)(-**)	6.7	21.0	3.0	3.0	3.0	2.0	2.0	2.0	1.6	1.6	IE2
FR-F720-00340(7.5K)(-**)	9.2	23.0	3.3	3.3	3.3	1.8	1.8	1.8	1.4	1.4	IE2
FR-F720-00490(11K)(-**)	12.6	23.0	3.5	3.5	3.5	1.9	1.8	1.9	1.4	1.4	IE2
FR-F720-00630(15K)(-**)	17.6	24.2	2.7	2.7	2.7	1.4	1.4	1.4	1.0	1.0	IE2
FR-F720-00770(18.5K)(-**)	23.3	30.7	2.9	2.9	2.9	1.6	1.6	1.6	1.2	1.2	IE2
FR-F720-00930(22K)(-**)	29	25.0	2.9	2.9	2.9	1.6	1.6	1.6	1.2	1.2	IE2
FR-F720-01250(30K)(-**)	34	27.0	3.0	3.0	3.0	1.6	1.6	1.6	1.2	1.2	IE2
FR-F720-01540(37K)(-**)	44	42.0	2.7	2.7	2.7	1.5	1.5	1.5	1.1	1.1	IE2
FR-F720-01870(45K)(-**)	55	46.0	2.5	2.5	2.5	1.4	1.4	1.4	1.0	1.0	IE2
FR-F720-02330(55K)(-**)	67	46.0	2.6	2.6	2.6	1.3	1.3	1.3	0.9	0.9	IE2
FR-F720-03160(75K)(-**)	82	52.0	2.6	2.6	2.6	1.4	1.4	1.4	1.0	1.0	IE2
FR-F720-03800(90K)(-**)	110	79.1	2.3	2.2	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-F720-04750(110K)(-**)	132	79.1	2.3	2.3	2.3	1.2	1.2	1.2	0.8	0.8	IE2
FR-F740-00023(0.75K)(-**)	1.1	19.0	3.3	3.3	3.3	2.8	2.8	2.8	2.8	2.8	IE2
FR-F740-00038(1.5K)(-**)	1.9	19.0	2.8	2.8	2.8	2.1	2.1	2.1	1.8	1.8	IE2

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90:100) (%)	load point 2 (50:100) (%)	load point 3 (0:100) (%)	load point 4 (90:50) (%)	load point 5 (50:50) (%)	load point 6 (0:50) (%)	load point 7 (50:25) (%)	load point 8 (0:25) (%)	IE class
FR-F740-00052(2.2K)(-)**	3	19.0	2.5	2.5	2.5	1.9	1.9	1.9	1.6	1.6	IE2
FR-F740-00083(3.7K)(-)**	4.6	22.0	2.4	2.4	2.4	1.7	1.7	1.7	1.5	1.5	IE2
FR-F740-00126(5.5K)(-)**	6.9	22.0	2.2	2.2	2.2	1.5	1.5	1.5	1.3	1.3	IE2
FR-F740-00170(7.5K)(-)**	9.1	27.0	2.1	2.1	2.1	1.2	1.2	1.2	0.9	0.9	IE2
FR-F740-00250(11K)(-)**	13	27.0	2.0	2.0	2.0	1.1	1.1	1.1	0.9	0.9	IE2
FR-F740-00310(15K)(-)**	17.5	28.5	1.8	1.7	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-00380(18.5K)(-)**	23.6	28.5	1.7	1.7	1.7	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-00470(22K)(-)**	29	34.5	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-F740-00620(30K)(-)**	32.8	34.5	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F740-00770(37K)(-)**	43.4	40.3	1.8	1.7	1.7	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-00930(45K)(-)**	54	49.7	1.8	1.8	1.8	1.0	1.0	1.0	0.8	0.8	IE2
FR-F740-01160(55K)(-)**	65	49.7	1.8	1.8	1.8	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-01440(-)**	84	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-F740-S75K(-)**											
FR-F740-01800(75K)(-)**	110	70.9	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F740-S90K(-)**											
FR-F740-02160(90K)(-)**	137	70.9	2.0	2.0	2.0	1.1	1.1	1.1	0.8	0.8	IE2
FR-F740-S110K(-)**											
FR-F740-02600(110K)(-)**	165	99.1	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-S132K(-)**											
FR-F740-03250(132K)(-)**	198	99.1	1.7	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-S160K(-)**											
FR-F740-03610(160K)(-)**	248	139.8	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-S185K(-)**											
FR-F740-04320(185K)(-)**	275	139.8	1.7	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-S220K(-)**											
FR-F740-04810(220K)(-)**	329	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-F740-S250K(-)**											
FR-F740-05470(250K)(-)**	367	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-F740-S280K(-)**											
FR-F740-06100(280K)(-)**	417	169.4	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-S315K(-)**											
FR-F740-06830(315K)(-)**	465	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-S355K(-)**											
FR-F740-07700(355K)(-)**	521	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-S400K(-)**											
FR-F740-08660(400K)(-)**	587	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-S450K(-)**											
FR-F740-09620(450K)(-)**	660	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-S500K(-)**											
FR-F740-10940(500K)(-)**	733	205.9	1.7	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-S560K(-)**											

Note: ** indicates alpha numeric combination which means an inverter type such as EC and NA.

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

< FR-F700PJ series >

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-F720PJ-0.4K(F)(-)**	1	10.5	3.6	3.5	3.6	3.0	3.0	3.0	3.0	3.0	IE2
FR-F720PJ-0.75K(F)(-)**	1.7	10.5	3.1	3.1	3.1	2.2	2.2	2.2	1.9	1.9	IE2
FR-F720PJ-1.5K(F)(-)**	2.8	14.0	2.9	2.9	2.9	2.0	2.0	2.1	1.7	1.7	IE2
FR-F720PJ-2.2K(F)(-)**	4	14.0	2.7	2.7	2.7	1.9	1.9	1.9	1.5	1.6	IE2
FR-F720PJ-3.7K(F)(-)**	6.6	15.0	2.5	2.4	2.5	1.7	1.7	1.7	1.4	1.4	IE2
FR-F720PJ-5.5K(F)(-)**	9.5	22.0	2.8	2.8	2.8	1.6	1.6	1.6	1.2	1.2	IE2
FR-F720PJ-7.5K(F)(-)**	12.7	22.0	2.8	2.8	2.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-F720PJ-11K(F)(-)**	17.9	22.0	2.8	2.8	2.8	1.6	1.6	1.6	1.2	1.2	IE2
FR-F720PJ-15K(F)(-)**	23.1	22.0	2.8	2.8	2.8	1.6	1.6	1.6	1.2	1.2	IE2
FR-F740PJ-0.4K(F)(-)**	0.9	15.0	4.1	4.1	4.1	3.7	3.7	3.7	3.7	3.7	IE2
FR-F740PJ-0.75K(F)(-)**	1.7	15.0	3.0	3.0	3.0	2.4	2.4	2.4	2.1	2.1	IE2
FR-F740PJ-1.5K(F)(-)**	2.7	17.0	3.1	3.0	3.1	2.3	2.3	2.3	2.1	2.1	IE2
FR-F740PJ-2.2K(F)(-)**	3.8	17.0	2.5	2.4	2.5	1.8	1.8	1.8	1.6	1.6	IE2
FR-F740PJ-3.7K(F)(-)**	6.1	17.0	2.8	2.7	2.7	2.0	1.9	2.0	1.7	1.7	IE2
FR-F740PJ-5.5K(F)(-)**	9.1	22.5	2.5	2.5	2.5	1.6	1.6	1.6	1.3	1.3	IE2
FR-F740PJ-7.5K(F)(-)**	12.2	22.5	2.3	2.3	2.3	1.4	1.4	1.4	1.1	1.1	IE2
FR-F740PJ-11K(F)(-)**	17.5	24.0	2.2	2.2	2.2	1.3	1.3	1.3	1.0	1.0	IE2
FR-F740PJ-15K(F)(-)**	22.5	24.0	2.2	2.2	2.2	1.3	1.3	1.3	1.0	1.0	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as 60.

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

< FR-E700 series >

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-E720-015(0.2K)(-)**	0.6	4.5	3.3	3.3	3.3	2.8	2.7	2.8	2.7	2.7	IE2
FR-E720-030(0.4K)(-)**	1.2	4.5	2.8	2.7	2.8	2.2	2.2	2.2	2.1	2.1	IE2
FR-E720-050(0.75K)(-)**	2	4.5	2.5	2.4	2.5	1.8	1.7	1.8	1.5	1.5	IE2
FR-E720-080(1.5K)(-)**	3.2	8.2	2.7	2.7	2.7	1.8	1.8	1.8	1.5	1.5	IE2
FR-E720-110(2.2K)(-)**	4.4	8.2	2.6	2.6	2.6	1.7	1.7	1.7	1.4	1.4	IE2
FR-E720-175(3.7K)(-)**	7	8.9	2.5	2.4	2.5	1.6	1.6	1.6	1.3	1.3	IE2
FR-E720-240(5.5K)(-)**	9.5	14.3	2.9	2.9	2.9	1.5	1.5	1.5	1.1	1.1	IE2
FR-E720-330(7.5K)(-)**	13.1	14.3	2.8	2.8	2.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-E720-470(11K)(-)**	18.7	15.5	2.9	2.9	2.9	1.7	1.7	1.7	1.2	1.2	IE2
FR-E720-600(15K)(-)**	23.9	17.2	3.0	3.0	3.0	1.7	1.7	1.7	1.2	1.2	IE2
FR-E740-016(0.4K)(-)**	1.2	9.2	3.1	3.0	3.1	2.7	2.6	2.7	2.6	2.6	IE2
FR-E740-026(0.75K)(-)**	2	15.0	2.8	2.8	2.8	2.2	2.1	2.1	1.9	1.9	IE2
FR-E740-040(1.5K)(-)**	3	17.0	2.7	2.7	2.7	2.1	2.1	2.1	1.8	1.8	IE2
FR-E740-060(2.2K)(-)**	4.6	17.0	2.1	2.1	2.1	1.6	1.6	1.6	1.3	1.3	IE2
FR-E740-095(3.7K)(-)**	7.2	17.0	2.3	2.3	2.3	1.6	1.6	1.6	1.4	1.4	IE2
FR-E740-120(5.5K)(-)**	9.1	16.8	2.4	2.4	2.4	1.5	1.5	1.5	1.2	1.2	IE2
FR-E740-170(7.5K)(-)**	13	16.8	2.2	2.2	2.2	1.3	1.3	1.3	1.0	1.0	IE2
FR-E740-230(11K)(-)**	17.5	18.4	2.1	2.1	2.1	1.3	1.3	1.3	1.0	1.0	IE2
FR-E740-300(15K)(-)**	23	18.4	2.2	2.2	2.2	1.3	1.3	1.3	1.0	1.0	IE2
FR-E720-015(0.2K)(-)**	0.6	4.5	3.3	3.3	3.3	2.8	2.7	2.8	2.7	2.7	IE2
FR-E720-030(0.4K)(-)**	1.2	4.5	2.8	2.7	2.8	2.2	2.2	2.2	2.1	2.1	IE2
FR-E720-050(0.75K)(-)**	2	4.5	2.5	2.4	2.5	1.8	1.7	1.8	1.5	1.5	IE2
FR-E720-080(1.5K)(-)**	3.2	8.2	2.7	2.7	2.7	1.8	1.8	1.8	1.5	1.5	IE2
FR-E720-110(2.2K)(-)**	4.4	8.2	2.6	2.6	2.6	1.7	1.7	1.7	1.4	1.4	IE2
FR-E720-175(3.7K)(-)**	7	8.9	2.5	2.4	2.5	1.6	1.6	1.6	1.3	1.3	IE2
FR-E720-240(5.5K)(-)**	9.5	14.3	2.9	2.9	2.9	1.5	1.5	1.5	1.1	1.1	IE2
FR-E720-330(7.5K)(-)**	13.1	14.3	2.8	2.8	2.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-E720-470(11K)(-)**	18.7	15.5	2.9	2.9	2.9	1.7	1.7	1.7	1.2	1.2	IE2
FR-E720-600(15K)(-)**	23.9	17.2	3.0	3.0	3.0	1.7	1.7	1.7	1.2	1.2	IE2
FR-E740-016(0.4K)(-)**	1.2	9.2	3.1	3.0	3.1	2.7	2.6	2.7	2.6	2.6	IE2
FR-E740-026(0.75K)(-)**	2	15.0	2.8	2.8	2.8	2.2	2.1	2.1	1.9	1.9	IE2
FR-E740-040(1.5K)(-)**	3	17.0	2.7	2.7	2.7	2.1	2.1	2.1	1.8	1.8	IE2
FR-E740-060(2.2K)(-)**	4.6	17.0	2.1	2.1	2.1	1.6	1.6	1.6	1.3	1.3	IE2
FR-E740-095(3.7K)(-)**	7.2	17.0	2.3	2.3	2.3	1.6	1.6	1.6	1.4	1.4	IE2
FR-E740-120(5.5K)(-)**	9.1	16.8	2.4	2.4	2.4	1.5	1.5	1.5	1.2	1.2	IE2
FR-E740-170(7.5K)(-)**	13	16.8	2.2	2.2	2.2	1.3	1.3	1.3	1.0	1.0	IE2
FR-E740-230(11K)(-)**	17.5	18.4	2.1	2.1	2.1	1.3	1.3	1.3	1.0	1.0	IE2
FR-E740-300(15K)(-)**	23	18.4	2.2	2.2	2.2	1.3	1.3	1.3	1.0	1.0	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as EC and NA.

MODELS: FR-A800/F800/E800/CS80/A700/F700/F700PJ/E700/D700 series

< FR-D700 series >

Model name	Rated apparent power (kVA)	Stand by loss (W)	load point 1 (90;100) (%)	load point 2 (50;100) (%)	load point 3 (0;100) (%)	load point 4 (90;50) (%)	load point 5 (50;50) (%)	load point 6 (0;50) (%)	load point 7 (50;25) (%)	load point 8 (0;25) (%)	IE class
FR-D720-014(0.2K)(-)**	0.6	10.5	4.4	4.3	4.4	3.9	3.9	3.9	3.8	3.8	IE2
FR-D720-025(0.4K)(-)**	1	10.5	3.6	3.5	3.6	3.0	3.0	3.0	3.0	3.0	IE2
FR-D720-042(0.75K)(-)**	1.7	10.5	3.1	3.1	3.1	2.2	2.2	2.2	1.9	1.9	IE2
FR-D720-070(1.5K)(-)**	2.8	14.0	2.9	2.9	2.9	2.0	2.0	2.1	1.7	1.7	IE2
FR-D720-100(2.2K)(-)**	4	14.0	2.7	2.7	2.7	1.9	1.9	1.9	1.5	1.6	IE2
FR-D720-165(3.7K)(-)**	6.6	15.0	2.5	2.4	2.5	1.7	1.7	1.7	1.4	1.4	IE2
FR-D720-238(5.5K)(-)**	9.5	22.0	2.8	2.8	2.8	1.6	1.6	1.6	1.2	1.2	IE2
FR-D720-318(7.5K)(-)**	12.7	22.0	2.8	2.8	2.8	1.5	1.5	1.5	1.1	1.1	IE2
FR-D720-11K(-)**	17.9	22.0	2.8	2.8	2.8	1.6	1.6	1.6	1.2	1.2	IE2
FR-D720-15K(-)**	23.1	22.0	2.8	2.8	2.8	1.6	1.6	1.6	1.2	1.2	IE2
FR-D740-012(0.4K)(-)**	0.9	15.0	4.1	4.1	4.1	3.7	3.7	3.7	3.7	3.7	IE2
FR-D740-022(0.75K)(-)**	1.7	15.0	3.0	3.0	3.0	2.4	2.4	2.4	2.1	2.1	IE2
FR-D740-036(1.5K)(-)**	2.7	17.0	3.1	3.0	3.1	2.3	2.3	2.3	2.1	2.1	IE2
FR-D740-050(2.2K)(-)**	3.8	17.0	2.5	2.4	2.5	1.8	1.8	1.8	1.6	1.6	IE2
FR-D740-080(3.7K)(-)**	6.1	17.0	2.8	2.7	2.7	2.0	1.9	2.0	1.7	1.7	IE2
FR-D740-120(5.5K)(-)**	9.1	22.5	2.5	2.5	2.5	1.6	1.6	1.6	1.3	1.3	IE2
FR-D740-160(7.5K)(-)**	12.2	22.5	2.3	2.3	2.3	1.4	1.4	1.4	1.1	1.1	IE2
FR-D740-11K(-)**	17.5	24.0	2.2	2.2	2.2	1.3	1.3	1.3	1.0	1.0	IE2
FR-D740-15K(-)**	22.5	24.0	2.2	2.2	2.2	1.3	1.3	1.3	1.0	1.0	IE2

Note: ** indicates alpha numeric combination which means an inverter type such as EC and NA.