

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (1/25)	規格	エコデザイン指令に基づく損失データシート	全般

欧州 ErP(エコデザイン)指令に基づき、損失データの内容を下記に記載します。  
0.12kW～1000kW の 3 相インバータが対象となります。

<FR-A800 シリーズ>

◆SLD 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (2/25)	規格	エコデザイン指令に基づく損失データシート	全般

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 AC 690V 入力の場合

(注) : \*\* は E1、E2 などインバータの形名を示すアルファベット数字式の組合わせを示します。

## ◆LD、SND 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (3/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-A840-00038 (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
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

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2021-3-24	2021-8-5	S-ZP-09A	

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シートNo.	分類	タイトル	機種
MF-S-180A (4/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-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
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 AC 690V 入力の場合

(注) : \*\* は E1、E2 などインバータの形名を示すアルファベット数字式の組合わせを示します。

## ◆ND 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (5/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-A840-00620 (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	1.7	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
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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (6/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-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 AC 690V 入力の場合

\*2 FR-A840-LC は FR-A800 と同じ数値です。

(注) : \*\* は E1、E2 などインバータの形名を示すアルファベット数字式の組み合わせを示します。

## ◆HD 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (7/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-A840-00380 (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

(注) : \*\* は E1、E2 などインバータの形名を示すアルファベット数字式の組合わせを示します。

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (8/25)	規格	エコデザイン指令に基づく損失データシート	全般

<FR-F800 シリーズ>

◆SLD 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (9/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-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

(注) : \*\* は E1、E2 などインバータの形名を示すアルファベット数字式の組合わせを示します。

## ◆LD 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (10/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-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
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

(注) : \*\* は E1、E2 などインバータの形名を示すアルファベット数字式の組合せを示します。

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (11/25)	規格	エコデザイン指令に基づく損失データシート	全般

<FR-E800 シリーズ>

◆LD 定格

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

(注) : \*\* はEPA、EPB などインバータの形名を示すアルファベット数字式の組み合わせを示します。

◆ND 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (12/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-E820-0080 (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
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

(注) : \*\* はEPA、EPB などインバータの形名を示すアルファベット数字式の組み合わせを示します。

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (13/25)	規格	エコデザイン指令に基づく損失データシート	全般

## <FREQROL-CS80 シリーズ>

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (14/25)	規格	エコデザイン指令に基づく損失データシート	全般

<FR-A700 シリーズ>

◆SLD 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (15/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-A740-06100/04810 (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
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

(注) : \*\* は EC、NA などインバータの形名を示すアルファベット数字式の組合わせを示します。

## ◆LD 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (16/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-A740-00770/00570 (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
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

(注) : \*\* は EC、NA などインバータの形名を示すアルファベット数字式の組合わせを示します。

## ◆ND 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (17/25)	規格	エコデザイン指令に基づく損失データシート	全般

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	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
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

(注) : \*\* は EC、NA などインバータの形名を示すアルファベット数字式の組合わせを示します。

## ◆HD 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (18/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-A720-00175 (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
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

(注) : \*\* は EC、NA などインバータの形名を示すアルファベット数字式の組み合わせを示します。

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (19/25)	規格	エコデザイン指令に基づく損失データシート	全般

<FR-F700 シリーズ>

◆SLD 定格

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-** FR-F740-S75K (-**)	65	49.7	1.9	1.9	1.9	1.0	1.0	1.0	0.7	0.7	IE2
FR-F740-01800 (75K) (-**) FR-F740-S90K (-**)	84	49.7	1.8	1.8	1.8	0.9	0.9	0.9	0.6	0.6	IE2
FR-F740-02160 (90K) (-**) FR-F740-S110K (-**)	110	70.9	1.9	1.9	1.9	1.2	1.0	1.0	0.8	0.8	IE2
FR-F740-02600 (110K) (-**) FR-F740-S132K (-**)	137	70.9	2.1	2.1	2.1	1.1	1.1	1.1	0.8	0.8	IE2

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (20/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-F740-03250 (132K) (**) FR-F740-S160K (**)	165	99.1	1.7	1.6	1.7	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-03610 (160K) (**) FR-F740-S185K (**)	198	99.1	1.7	1.7	1.7	0.9	0.9	0.9	0.7	0.7	IE2
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

(注) : \*\* は EC、NA などインバータの形名を示すアルファベット数字式の組合わせを示します。

## ◆LD 定格

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

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (21/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-F720-02330 (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
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 (**) FR-F740-S75K (**)	84	49.7	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-F740-01800 (75K) (**) FR-F740-S90K (**)	110	70.9	1.9	1.9	1.9	1.0	1.0	1.0	0.8	0.8	IE2
FR-F740-02160 (90K) (**) FR-F740-S110K (**)	137	70.9	2.0	2.0	2.0	1.1	1.1	1.1	0.8	0.8	IE2
FR-F740-02600 (110K) (**) FR-F740-S132K (**)	165	99.1	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-03250 (132K) (**) FR-F740-S160K (**)	198	99.1	1.7	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-03610 (160K) (**) FR-F740-S185K (**)	248	139.8	1.6	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-04320 (185K) (**) FR-F740-S220K (**)	275	139.8	1.7	1.6	1.6	0.9	0.9	0.9	0.7	0.7	IE2
FR-F740-04810 (220K) (**) FR-F740-S250K (**)	329	169.4	1.7	1.7	1.7	0.9	0.9	0.9	0.6	0.6	IE2
FR-F740-05470 (250K) (**) FR-F740-S280K (**)	367	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 (**)	417	169.4	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-06830 (315K) (**) FR-F740-S355K (**)	465	166.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2
FR-F740-07700 (355K) (**) FR-F740-S400K (**)	521	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 (**)	587	205.9	1.6	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (22/25)	規格	エコデザイン指令に基づく損失データシート	全般

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-F740-09620 (450K) (**) FR-F740-S500K (**)	660	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 (**)	733	205.9	1.7	1.6	1.6	0.8	0.8	0.8	0.6	0.6	IE2

(注) : \*\* は EC、NA などインバータの形名を示すアルファベット数字式の組合わせを示します。

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (23/25)	規格	エコデザイン指令に基づく損失データシート	全般

## <FR-F700PJ シリーズ>

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

(注) : \*\* は 60 などインバータの形名を示すアルファベット数字式の組合わせを示します。

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (24/25)	規格	エコデザイン指令に基づく損失データシート	全般

## <FR-E700 シリーズ>

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

(注) : \*\* は EC、NA などインバータの形名を示すアルファベット数字式の組合わせを示します。

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	

# INV テクニカルニュース

シートNo.	分類	タイトル	機種
MF-S-180A (25/25)	規格	エコデザイン指令に基づく損失データシート	全般

## <FR-D700 シリーズ>

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

(注) : \*\* は EC、NA などインバータの形名を示すアルファベット数字式の組合わせを示します。

発行日	最終改定日		三菱電機 名古屋製作所
2021-3-24	2021-8-5	S-ZP-09A	