



Drive power loss data disclosure pursuant to COMMISSION REGULATION (EU) 2019/1781

FRENIC-Lift(LM2A) Series												(1) Power loss data at operating points according to Commission Regulation (EU) 2019/1781												(2) IE class	(3) Manufacturer, commercial registration number and address	(4) Product's model identifier ⁵	(5) Apparent output power ² [kVA]	(6) Indicative motor rated power output [kW]	(7) Rated output current ³ [A]	(8) Max. operating temperature [°C]	(9) Rated supply frequency [Hz]	(10) Rated supply voltage [V]	Power loss measurement method
Type ⁵	Standby [W]	Standby [%]	Partial load ¹ (90, 100) [%]	Partial load ¹ (50, 100) [%]	Partial load ¹ (0, 100) [%]	Partial load ¹ (90, 50) [%]	Partial load ¹ (50, 50) [%]	Partial load ¹ (0, 50) [%]	Partial load ¹ (50, 25) [%]	Partial load ¹ (0, 25) [%]																							
FRN0006LM2A-4E○	19.3	0.4%	2.1%	2.1%	2.3%	1.4%	1.5%	1.9%	1.3%	1.8%	IE 2	Fuji Electric Co., Ltd 5520, Minami Tamagaki-cho, Suzuka-city, Mie 513-8633, Japan	FRN0006LM2A-4E○	4.6	2.2	6.1	45°C	50Hz, 60Hz	380 to 480	Input-output													
FRN0010LM2A-4E○	19.3	0.3%	2.3%	2.0%	1.8%	1.5%	1.5%	1.5%	1.2%	1.3%	IE 2		FRN0010LM2A-4E○	7.6	4	10																	
FRN0015LM2A-4E○	27.7	0.3%	1.9%	1.7%	1.4%	1.3%	1.2%	1.1%	1.0%	1.0%	IE 2		FRN0015LM2A-4E○	11	5.5	15																	
FRN0019LM2A-4E○	29.5	0.2%	1.7%	1.4%	1.2%	0.8%	0.8%	0.7%	0.6%	0.5%	IE 2		FRN0019LM2A-4E○	14	7.5	18.5																	
FRN0025LM2A-4E○	30.0	0.2%	1.6%	1.4%	1.2%	0.8%	0.7%	0.7%	0.4%	0.5%	IE 2		FRN0025LM2A-4E○	18	11	24.5																	
FRN0032LM2A-4E○	20.0	0.1%	1.8%	1.6%	1.5%	1.1%	1.0%	1.0%	0.8%	0.8%	IE 2		FRN0032LM2A-4E○	24	15	32																	
FRN0039LM2A-4E○	21.0	0.1%	1.8%	1.5%	1.4%	1.0%	0.9%	0.9%	0.7%	0.6%	IE 2		FRN0039LM2A-4E○	29	18.5	39																	
FRN0045LM2A-4E○	20.3	0.1%	1.7%	1.5%	1.4%	1.0%	0.9%	0.9%	0.7%	0.6%	IE 2		FRN0045LM2A-4E○	34	22	45																	
FRN0060LM2A-4E○	23.6	0.1%	1.8%	1.6%	1.4%	1.0%	0.9%	0.8%	0.7%	0.6%	IE 2		FRN0060LM2A-4E○	45	30	60																	
FRN0075LM2A-4E○	24.2	0.0%	1.6%	1.4%	1.3%	0.9%	0.8%	0.8%	0.6%	0.6%	IE 2		FRN0075LM2A-4E○	57	37	75																	
FRN0091LM2A-4E○	32.9	0.0%	1.5%	1.4%	1.2%	0.9%	0.8%	0.7%	0.6%	0.5%	IE 2		FRN0091LM2A-4E○	69	45	91																	

FRENIC-Lift(LM2C) Series												(1) Power loss data at operating points according to Commission Regulation (EU) 2019/1781												(2) IE class	(3) Manufacturer, commercial registration number and address	(4) Product's model identifier ⁵	(5) Apparent output power ² [kVA]	(6) Indicative motor rated power output [kW]	(7) Rated output current ³ [A]	(8) Max. operating temperature [°C]	(9) Rated supply frequency [Hz]	(10) Rated supply voltage [V]	Power loss measurement method
Type ⁵	Standby [W]	Standby [%]	Partial load ¹ (90, 100) [%]	Partial load ¹ (50, 100) [%]	Partial load ¹ (0, 100) [%]	Partial load ¹ (90, 50) [%]	Partial load ¹ (50, 50) [%]	Partial load ¹ (0, 50) [%]	Partial load ¹ (50, 25) [%]	Partial load ¹ (0, 25) [%]																							
FRN0010LM2C-4E/A○	19.3	0.3%	2.3%	2.0%	1.8%	1.5%	1.5%	1.5%	1.2%	1.3%	IE 2	Fuji Electric Co., Ltd 5520, Minami Tamagaki-cho, Suzuka-city, Mie 513-8633, Japan	FRN0010LM2C-4E/A○	7.6	4	10	45°C	50Hz, 60Hz	380 to 480	Input-output													
FRN0015LM2C-4E/A○	27.7	0.3%	1.9%	1.7%	1.4%	1.3%	1.2%	1.1%	1.0%	1.0%	IE 2		FRN0015LM2C-4E/A○	11	5.5	15																	
FRN0019LM2C-4E/A○	29.5	0.2%	1.7%	1.4%	1.2%	0.8%	0.8%	0.7%	0.6%	0.5%	IE 2		FRN0019LM2C-4E/A○	14	7.5	18.5																	
FRN0025LM2C-4E/A○	30.0	0.2%	1.6%	1.4%	1.2%	0.8%	0.7%	0.7%	0.4%	0.5%	IE 2		FRN0025LM2C-4E/A○	18	11	24.5																	
FRN0032LM2C-4E/A○	20.0	0.1%	1.8%	1.6%	1.5%	1.1%	1.0%	1.0%	0.8%	0.8%	IE 2		FRN0032LM2C-4E/A○	24	15	32																	
FRN0039LM2C-4E/A○	21.0	0.1%	1.8%	1.5%	1.4%	1.0%	0.9%	0.9%	0.7%	0.6%	IE 2		FRN0039LM2C-4E/A○	29	18.5	39																	
FRN0045LM2C-4E/A○	20.3	0.1%	1.7%	1.5%	1.4%	1.0%	0.9%	0.9%	0.7%	0.6%	IE 2		FRN0045LM2C-4E/A○	34	22	45																	

FRENIC-Lift(LM2) Series 230V Mode												(1) Power loss data at operating points according to Commission Regulation (EU) 2019/1781												(2) IE class	(3) Manufacturer, commercial registration number and address	(4) Product's model identifier ⁵	(5) Apparent output power ² [kVA]	(6) Indicative motor rated power output [kW]	(7) Rated output current ³ [A]	(8) Max. operating temperature [°C]	(9) Rated supply frequency [Hz]	(10) Rated supply voltage [V]	Power loss measurement method
Type ⁵	Standby [W]	Standby [%]	Partial load ¹ (90, 100) [%]	Partial load ¹ (50, 100) [%]	Partial load ¹ (0, 100) [%]	Partial load ¹ (90, 50) [%]	Partial load ¹ (50, 50) [%]	Partial load ¹ (0, 50) [%]	Partial load ¹ (50, 25) [%]	Partial load ¹ (0, 25) [%]																							
FRN0019LM2A-4E○	14.0	0.2%	3.1%	2.7%	2.3%	2.0%	1.8%	1.6%	1.4%	1.3%	IE 2	Fuji Electric Co., Ltd 5520, Minami Tamagaki-cho, Suzuka-city, Mie 513-8633, Japan	FRN0019LM2A-4E○	7.4	4	18.5	45°C	50Hz, 60Hz	200 to 240	Input-output													
FRN0025LM2A-4E○	30.0	0.3%	2.9%	2.6%	2.2%	1.9%	1.6%	1.5%	1.2%	1.3%	IE 2		FRN0025LM2A-4E○	9.8	5.5	24.5																	
FRN0032LM2A-4E○	20.0	0.2%	3.5%	3.0%	2.8%	2.1%	1.9%	1.9%	1.5%	1.6%	IE 2		FRN0032LM2A-4E○	12.7	7.5	32																	
FRN0039LM2A-4E○	21.0	0.1%	3.8%	3.3%	2.9%	2.6%	2.3%	2.1%	1.8%	1.7%	IE 2		FRN0039LM2A-4E○	15.5	9	39																	
FRN0045LM2A-4E○	20.3	0.1%	3.6%	3.2%	2.8%	2.0%	1.8%	1.7%	1.3%	1.3%	IE 2		FRN0045LM2A-4E○	17.9	11	45																	
FRN0060LM2A-4E○	23.6	0.1%	3.6%	3.2%	2.8%	1.8%	1.8%	1.6%	1.2%	1.2%	IE 2		FRN0060LM2A-4E○	23.9	15	60																	
FRN0015LM2C-4E/A○	19.3	0.3%	3.6%	3.1%	2.7%	2.4%	2.3%	2.1%	1.9%	1.8%	IE 2		FRN0015LM2C-4E/A○	6	3	15																	
FRN0019LM2C-4E/A○	27.7	0.4%	3.1%	2.7%	2.3%	2.0%	1.8%	1.6%	1.4%	1.3%	IE 2		FRN0019LM2C-4E/A○	7.4	4	18.5																	
FRN0025LM2C-4E/A○	29.5	0.3%	2.5%	2.2%	1.9%	1.6%	1.3%	1.3%	1.0%	1.1%	IE 2		FRN0025LM2C-4E/A○	9.8	5.5	21.4																	
FRN0032LM2C-4E/A○	20.0	0.2%	3.5%	3.0%	2.8%	2.1%	1.9%	1.9%	1.5%	1.6%	IE 2		FRN0032LM2C-4E/A○	12.7	7.5	32																	

1. Operating point (x, y): x - percentage output frequency, y - percentage Torque-producing current.
 2. Apparent output power is calculated by assuming the output rated voltage as 440 V(-4).
 3. Apparent output power is calculated by assuming the output rated voltage as 220 V(-2).
 4. power losses in % of the rated apparent output power[kVA].
 5. "○" mark represents variations in order code. (letter(s) and/ or number(s), or blank)