



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

FRENIC-AQUA 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
	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) [%]										
FRN0.75AQ1#-4*○	17.5	0.9%	3.2%	3.0%	2.7%	2.8%	2.6%	2.4%	2.4%	2.3%	IE 2	Fuji Electric Co., Ltd 5520, Minami Tamagaki-cho, Suzuka-city, Mie 513-8633, Japan	FRN0.75AQ1#-4*○	1.9	0.75	2.5	IP21: 50°C (40°C: if installed side- by-side without clearance (37 kW or less))	50Hz, 60Hz	380 to 480	Input-output
FRN1.5AQ1#-4*○	17.9	0.6%	2.5%	2.3%	2.0%	2.0%	1.9%	1.7%	1.7%	1.5%	IE 2		FRN1.5AQ1#-4*○	3.1	1.5	4.1				
FRN2.2AQ1#-4*○	17.7	0.4%	2.2%	1.9%	1.6%	1.7%	1.6%	1.4%	1.4%	1.2%	IE 2		FRN2.2AQ1#-4*○	4.1	2.2	5.5				
FRN3.7/4.0AQ1#-4*○	19.6	0.3%	1.9%	1.6%	1.3%	1.4%	1.3%	1.1%	1.1%	1.0%	IE 2		FRN3.7/4.0AQ1#-4*○	6.8	3.7/4.0	9				
FRN5.5AQ1#-4*○	19.4	0.2%	1.9%	1.6%	1.4%	1.2%	1.1%	0.9%	0.9%	0.7%	IE 2		FRN5.5AQ1#-4*○	10	5.5	13.5				
FRN7.5AQ1#-4*○	19.2	0.1%	1.8%	1.5%	1.2%	1.1%	0.9%	0.8%	0.8%	0.6%	IE 2		FRN7.5AQ1#-4*○	14	7.5	18.5				
FRN11AQ1#-4*○	27.1	0.2%	1.8%	1.6%	1.2%	1.1%	1.0%	0.7%	0.7%	0.6%	IE 2		FRN11AQ1#-4*○	18	11	24.5				
FRN15AQ1#-4*○	27.7	0.1%	1.7%	1.4%	1.1%	1.0%	0.8%	0.7%	0.6%	0.6%	IE 2		FRN15AQ1#-4*○	24	15	32				
FRN18.5AQ1#-4*○	29.5	0.1%	1.7%	1.4%	1.1%	1.0%	0.8%	0.7%	0.6%	0.5%	IE 2		FRN18.5AQ1#-4*○	29	18.5	39				
FRN22AQ1#-4*○	30.0	0.1%	1.5%	1.4%	1.1%	0.9%	0.8%	0.7%	0.6%	0.5%	IE 2		FRN22AQ1#-4*○	34	22	45				
FRN30AQ1#-4*○	36.7	0.1%	1.7%	1.6%	1.3%	1.0%	0.9%	0.7%	0.6%	0.5%	IE 2		FRN30AQ1#-4*○	45	30	60				
FRN37AQ1#-4*○	37.4	0.1%	1.6%	1.3%	1.2%	0.9%	0.8%	0.7%	0.6%	0.5%	IE 2		FRN37AQ1#-4*○	57	37	75				
FRN45AQ1#-4*○	53.6	0.1%	1.4%	1.2%	1.0%	0.8%	0.7%	0.6%	0.5%	0.5%	IE 2		FRN45AQ1#-4*○	69	45	91				
FRN55AQ1#-4*○	60.0	0.1%	1.5%	1.2%	1.1%	0.8%	0.7%	0.6%	0.6%	0.5%	IE 2		FRN55AQ1#-4*○	85	55	112				
FRN75AQ1#-4*○	59.0	0.1%	1.4%	1.3%	1.1%	0.8%	0.7%	0.6%	0.5%	0.4%	IE 2		FRN75AQ1#-4*○	114	75	150				
FRN90AQ1#-4*○	59.0	0.0%	1.4%	1.2%	1.0%	0.8%	0.7%	0.6%	0.5%	0.4%	IE 2		FRN90AQ1#-4*○	134	90	176				
FRN110AQ1#-4*○	25.2	0.0%	1.2%	0.7%	0.7%	0.6%	0.4%	0.3%	0.2%	0.2%	IE 2		FRN110AQ1#-4*○	160	110	210				
FRN132AQ1#-4*○	80.0	0.0%	1.0%	0.8%	0.7%	0.5%	0.4%	0.4%	0.3%	0.3%	IE 2		FRN132AQ1#-4*○	192	132	253				
FRN160AQ1#-4*○	79.6	0.0%	1.2%	0.9%	0.8%	0.6%	0.5%	0.4%	0.3%	0.3%	IE 2		FRN160AQ1#-4*○	231	160	304				
FRN200AQ1#-4*○	81.1	0.0%	1.1%	0.9%	0.8%	0.6%	0.4%	0.4%	0.3%	0.3%	IE 2		FRN200AQ1#-4*○	287	200	377				
FRN220AQ1#-4*○	78.7	0.0%	1.2%	0.9%	0.8%	0.6%	0.4%	0.4%	0.3%	0.3%	IE 2		FRN220AQ1#-4*○	316	220	415				
FRN280AQ1#-4*○	92.0	0.0%	1.2%	0.9%	0.9%	0.6%	0.4%	0.4%	0.3%	0.3%	IE 2		FRN280AQ1#-4*○	396	280	520				
FRN315AQ1#-4*○	94.0	0.0%	1.3%	1.0%	0.9%	0.6%	0.5%	0.4%	0.3%	0.3%	IE 2		FRN315AQ1#-4*○	445	315	585				
FRN355AQ1#-4*○	155.0	0.0%	1.3%	1.0%	1.2%	0.6%	0.5%	0.4%	0.3%	0.3%	IE 2		FRN355AQ1#-4*○	495	355	650				
FRN400AQ1#-4*○	153.0	0.0%	1.3%	1.1%	1.1%	0.6%	0.5%	0.5%	0.3%	0.3%	IE 2		FRN400AQ1#-4*○	563	400	740				
FRN500AQ1#-4*○	154.0	0.0%	1.2%	0.9%	0.9%	0.5%	0.4%	0.4%	0.3%	0.2%	IE 2		FRN500AQ1#-4*○	731	500	960				
FRN630AQ1#-4*○	153.0	0.0%	1.3%	1.0%	1.0%	0.6%	0.4%	0.4%	0.3%	0.3%	IE 2		FRN630AQ1#-4*○	891	630	1170				
FRN710AQ1#-4*○	153.0	0.0%	1.1%	0.5%	0.3%	0.9%	0.4%	0.2%	0.4%	0.2%	IE 2		FRN710AQ1#-4*○	1044	710	1370				

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. power losses in % of the rated apparent output power[kVA].
 4. "H" mark represents the enclosure code. (S: IP00 type / M: IP21 type / L: IP55 type)
 5. "*" mark represents the destination code. (A: Asia / E: Europe)
 6. "○" mark represents variations in order code. (letter(s) and/ or number(s), or blank)