FRENIC-Lift LM3S Series

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

FRENIC-Lift LM3S Series		(1)	Power loss dat	a at operating	points accord	ling to Commi	ssion Regulati	on (EU) 2019/	1781				(0)	<u> </u>	(6)		101	- 101		
Type ¹	Standby [W]	Standby ² [%]	Partial load ² (90, 100) [%]	Partial load ² (50, 100) [%]	Partial load ² (0, 100) [%]	Partial load ² (90, 50) [%]	Partial load ² (50, 50) [%]	Partial load ² (0, 50) [%]	Partial load ² (50, 25) [%]	Partial load ² (0, 25) [%]	(2) IE class	(3) Manufacturer, commercial registration number and address	(4) Product's model identifier ¹	(5) Apparent output power ³ [kVA]	Indicative motor rated power output [kW]	(7) Rated output current [A]	(8) Max. operating temperature [°C]	(9) Rated supply frequency [Hz]	(10) Rated supply voltage [V]	Power loss measurement method
FRN4.0LM3S-4JO	19.7	0.3%	1.6%	1.4%	1.4%	1.2%	1.2%	1.1%	1.1%	1.0%	IE 2		FRN4.0LM3S-4JO	7.0	4.0	9.2		50Hz, 60Hz	380 to 480	1
FRN5.5LM3S-4JO	19.7	0.2%	1.6%	1.3%	1.3%	0.9%	0.9%	0.8%	0.7%	0.7%	IE 2		FRN5.5LM3S-4JO	11	5.5	14.8	Basic 55°C			Input-output
FRN7.5LM3S-4JO	19.7	0.1%	1.5%	1.4%	1.3%	0.9%	0.8%	0.8%	0.7%	0.7%	IE 2	1	FRN7.5LM3S-4JO	14	7.5	18				
FRN11LM3S-4JO	15.2	0.1%	1.4%	1.2%	1.1%	0.9%	0.8%	0.7%	0.6%	0.6%	IE 2	Fuji Electric Co., Ltd 5520, Minami Tamagaki-cho, Suzuka-city, Mie 513-8633, Japan	FRN11LM3S-4JO	18	11	24				
FRN15LM3S-4JO	15.1	0.1%	1.4%	1.2%	1.1%	0.8%	0.7%	0.7%	0.6%	0.6%	IE 2		FRN15LM3S-4JO	24	15	31				
FRN18.5LM3S-4JO	17.9	0.1%	1.5%	1.3%	1.1%	0.8%	0.8%	0.7%	0.6%	0.6%	IE 2		FRN18.5LM3S-4JO	30	18.5	39				
FRN22LM3S-4JO	17.6	0.1%	1.5%	1.2%	1.1%	0.8%	0.7%	0.7%	0.6%	0.5%	IE 2		FRN22LM3S-4JO	34	22	45				
FRN30LM3S-4JO	25.2	0.1%	1.4%	1.3%	1.1%	0.8%	0.7%	0.7%	0.5%	0.5%	IE 2		FRN30LM3S-4JO	45	30	60				
FRN37LM3S-4JO	24.9	0.0%	1.4%	1.2%	1.1%	0.8%	0.7%	0.7%	0.5%	0.5%	IE 2		FRN37LM3S-4JO	57	37	75				
FRN45LM3S-4JO	27.9	0.0%	1.5%	1.3%	1.1%	0.8%	0.7%	0.7%	0.5%	0.5%	IE 2		FRN45LM3S-4JO	69	45	91				
FRN55LM3S-4JO	30.0	0.0%	1.5%	1.3%	1.1%	0.9%	0.7%	0.7%	0.6%	0.5%	IE 2		FRN55LM3S-4JO	85	55	112				
FRN5.5LM3S-2JO	8.5	0.1%	1.9%	1.6%	1.4%	1.0%	0.9%	0.9%	0.7%	0.7%	IE 2		FRN5.5LM3S-2JO	9.5	5.5	25] /
FRN7.5LM3S-2JO	9.7	0.1%	1.9%	1.6%	1.5%	1.0%	0.9%	0.9%	0.7%	0.7%	IE 2		FRN7.5LM3S-2JO	13	7.5	33				
FRN11LM3S-2JO	9.0	0.1%	1.9%	1.5%	1.4%	1.0%	0.9%	0.8%	0.7%	0.6%	IE 2		FRN11LM3S-2JO	18	11	47			200 to 240	
FRN15LM3S-2JO	10.0	0.0%	2.0%	1.6%	1.4%	1.0%	0.9%	0.8%	0.7%	0.6%	IE 2		FRN15LM3S-2JO	23	15	60				
FRN18.5LM3S-2JO	10.0	0.0%	1.7%	1.4%	1.2%	0.9%	0.7%	0.7%	0.5%	0.5%	IE 2		FRN18.5LM3S-2JO	29	18.5	76				
FRN22LM3S-2JO	10.0	0.0%	2.0%	1.6%	1.4%	1.0%	0.9%	0.8%	0.6%	0.6%	IE 2		FRN22LM3S-2JO	34	22	90				

^{1.} Each symbol in the model code corresponds to the following:

Three phase 400V class series (Type code: -4) is 440 V.

Three phase 200V class series (Type code: -2) is 220 V.

[&]quot; * " represents the destination code. (G: Global / A: India)

[&]quot; O " represents a variation of the order code. (letters and/or numbers, or spaces)

^{2.} Ratio of loss value to rated output apparent power [kVA] at operating point (x, y) or standby.

x: Percentage of rated output frequency.

y: Percentage of rated output torque.

^{3.} Apparent output power is calculated for each input power source with the following conditions:

FRENIC-Lift LM3S Series

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

FRENIC-Lift LM3S Series	(1) Power loss data at operating points according to Commission Regulation (EU) 2019/1781																			
Type ¹	Standby [W]	Standby ² [%]	Partial load ² (90, 100) [%]	Partial load ² (50, 100) [%]	Partial load ² (0, 100) [%]		Partial load ² (50, 50) [%]		Partial load ² (50, 25) [%]	Partial load ² (0, 25) [%]	(2) IE class	(3) Manufacturer, commercial registration number and address	(4) Product's model identifier ¹	(5) Apparent output power ³ [kVA]	Indicative motor rated power output [kW]	(7) Rated output current [A]	(8) Max. operating temperature [°C]	(9) Rated supply frequency [Hz]	(10) Rated supply voltage [V]	Power loss measurement method
FRN0009LM3S-4*○	19.7	0.3%	1.6%	1.4%	1.4%	1.2%	1.2%	1.1%	1.1%	1.0%	IE 2	1	FRN0009LM3S-4*O	7.0	4.0	9.2		50Hz, 60Hz	380 to 480	Input-output
FRN0015LM3S-4*O	19.7	0.2%	1.6%	1.3%	1.3%	0.9%	0.9%	0.8%	0.7%	0.7%	IE 2]	FRN0015LM3S-4*O	11	5.5	14.8	Basic 55°C			
FRN0018LM3S-4*O	19.7	0.1%	1.5%	1.4%	1.3%	0.9%	0.8%	0.8%	0.7%	0.7%	IE 2	Fuji Electric Co., Ltd 5520, Minami Tamagaki-cho, Suzuka-city, Mie 513-8633, Japan	FRN0018LM3S-4*O	14	7.5	18				
FRN0024LM3S-4*O	15.2	0.1%	1.4%	1.2%	1.1%	0.9%	0.8%	0.7%	0.6%	0.6%	IE 2		FRN0024LM3S-4*O	18	11	24				
FRN0031LM3S-4*O	15.1	0.1%	1.4%	1.2%	1.1%	0.8%	0.7%	0.7%	0.6%	0.6%	IE 2		FRN0031LM3S-4*O	24	15	31				
FRN0039LM3S-4*O	17.9	0.1%	1.5%	1.3%	1.1%	0.8%	0.8%	0.7%	0.6%	0.6%	IE 2		FRN0039LM3S-4*O	30	18.5	39				
FRN0045LM3S-4*O	17.6	0.1%	1.5%	1.2%	1.1%	0.8%	0.7%	0.7%	0.6%	0.5%	IE 2		FRN0045LM3S-4*O	34	22	45				
FRN0060LM3S-4*O	25.2	0.1%	1.4%	1.3%	1.1%	0.8%	0.7%	0.7%	0.5%	0.5%	IE 2		FRN0060LM3S-4*O	45	30	60				
FRN0075LM3S-4*O	24.9	0.0%	1.4%	1.2%	1.1%	0.8%	0.7%	0.7%	0.5%	0.5%	IE 2		FRN0075LM3S-4*O	57	37	75				
FRN0091LM3S-4*O	27.9	0.0%	1.5%	1.3%	1.1%	0.8%	0.7%	0.7%	0.5%	0.5%	IE 2		FRN0091LM3S-4*O	69	45	91				
FRN0112LM3S-4*O	30.0	0.0%	1.5%	1.3%	1.1%	0.9%	0.7%	0.7%	0.6%	0.5%	IE 2		FRN0112LM3S-4*O	85	55	112				
FRN0025LM3S-2*O	8.5	0.1%	1.9%	1.6%	1.4%	1.0%	0.9%	0.9%	0.7%	0.7%	IE 2		FRN0025LM3S-2*O	9.5	5.5	25				1
FRN0033LM3S-2*O	9.7	0.1%	1.9%	1.6%	1.5%	1.0%	0.9%	0.9%	0.7%	0.7%	IE 2		FRN0033LM3S-2*O	13	7.5	33				
FRN0047LM3S-2*O	9.0	0.1%	1.9%	1.5%	1.4%	1.0%	0.9%	0.8%	0.7%	0.6%	IE 2		FRN0047LM3S-2*O	18	11	47			200 to 240	
FRN0060LM3S-2*O	10.0	0.0%	2.0%	1.6%	1.4%	1.0%	0.9%	0.8%	0.7%	0.6%	IE 2		FRN0060LM3S-2*O	23	15	60				
FRN0076LM3S-2*O	10.0	0.0%	1.7%	1.4%	1.2%	0.9%	0.7%	0.7%	0.5%	0.5%	IE 2		FRN0076LM3S-2*O	29	18.5	76				
FRN0090LM3S-2*O	10.0	0.0%	2.0%	1.6%	1.4%	1.0%	0.9%	0.8%	0.6%	0.6%	IE 2		FRN0090LM3S-2*O	34	22	90				

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^{3.} Apparent output power is calculated for each input power source with the following conditions: