

Unidrive M feature and specification table

Feature		Unidrive						
		M100	M200	M300	M400	M600	M700	M800
Maximum Heavy Duty Ratings	Motor shaft power (kW)	7.5	22	22	110	1200	1200	1200
	Motor shaft power (hp)	10	30	30	150	1600	1600	1600
	Continuous current (A)	17	47	47	224	2286	2286	2286
Maximum Normal Duty Ratings	Motor shaft power (kW)	N/A	30	30	132	1500	1500	1500
	Motor shaft power (hp)	N/A	40	40	200	2000	2000	2000
	Continuous current (A)	N/A	63	63	266	2786	2786	2786
Voltage rating	100 V (100 V - 120 V ± 10%)	•	•	•	•			
	200 V (200 V - 240 V ± 10%)	•	•	•	•	•	•	•
	400 V (380 V - 480 V ± 10%)	•	•	•	•	•	•	•
	575 V (500 V - 575 V ± 10%)		•	•	•	•	•	•
	690 V (500 V - 690 V ± 10%)		•	•	•	•	•	•
Performance	Current loop update	166 µs				62 µs		
	Heavy Duty peak rating	180 % (3s)				200 % (3s)		
	Maximum output frequency*	550 Hz						
	Switching frequency range	0.67, 1, 2, 3, 4, 6, 8, 12, 16 kHz - 3 kHz default				2, 3, 4, 6, 8, 12, 16 kHz - 3 kHz default		
	High performance current controllers						•	•
Control modes	Open loop vector or V/Hz induction motor control	•	•	•	•	•	•	•
	Open loop Rotor Flux Control for induction motors (RFC-A)		•	•	•	•	•	•
	Open loop permanent magnet motor control (RFC-S)					•	•	•
	Closed loop Rotor Flux Control for induction motors (RFC-A)					Opt	•	•
	Closed loop permanent magnet motor control (RFC-S)						•	•
	Active Front End (AFE) power quality convertor					•	•	•