

Ratings and Specifications of Motor with Gear Reducer

● Model No. designation

e.g.) M S M D 0 1 1 P 3 1 N

Symbol	Type
MSMD	Low inertia (100-750W)

Symbol	Rated output
01	100W
02	200W
04	400W
08	750W

Symbol	Specifications
1	100V
2	200V

Symbol	Format	Pulse counts	Resolution	Wire
P	Incremental	2500P/r	10000	5
S	Absolute/Incremental	17-bit	131072	7

Symbol	Reduction ratio	Motor output (W)				Type of reducer
		100	200	400	750	
1N	1/5	●	●	●	●	For high precision
2N	1/9	●	●	●	●	
3N	1/15	●	●	●	●	
4N	1/25	●	●	●	●	

Symbol	Shaft		Holding brake	
	Key way	without	without	with
3	●	●		
4	●			●

● The Combination of the Driver and the Motor

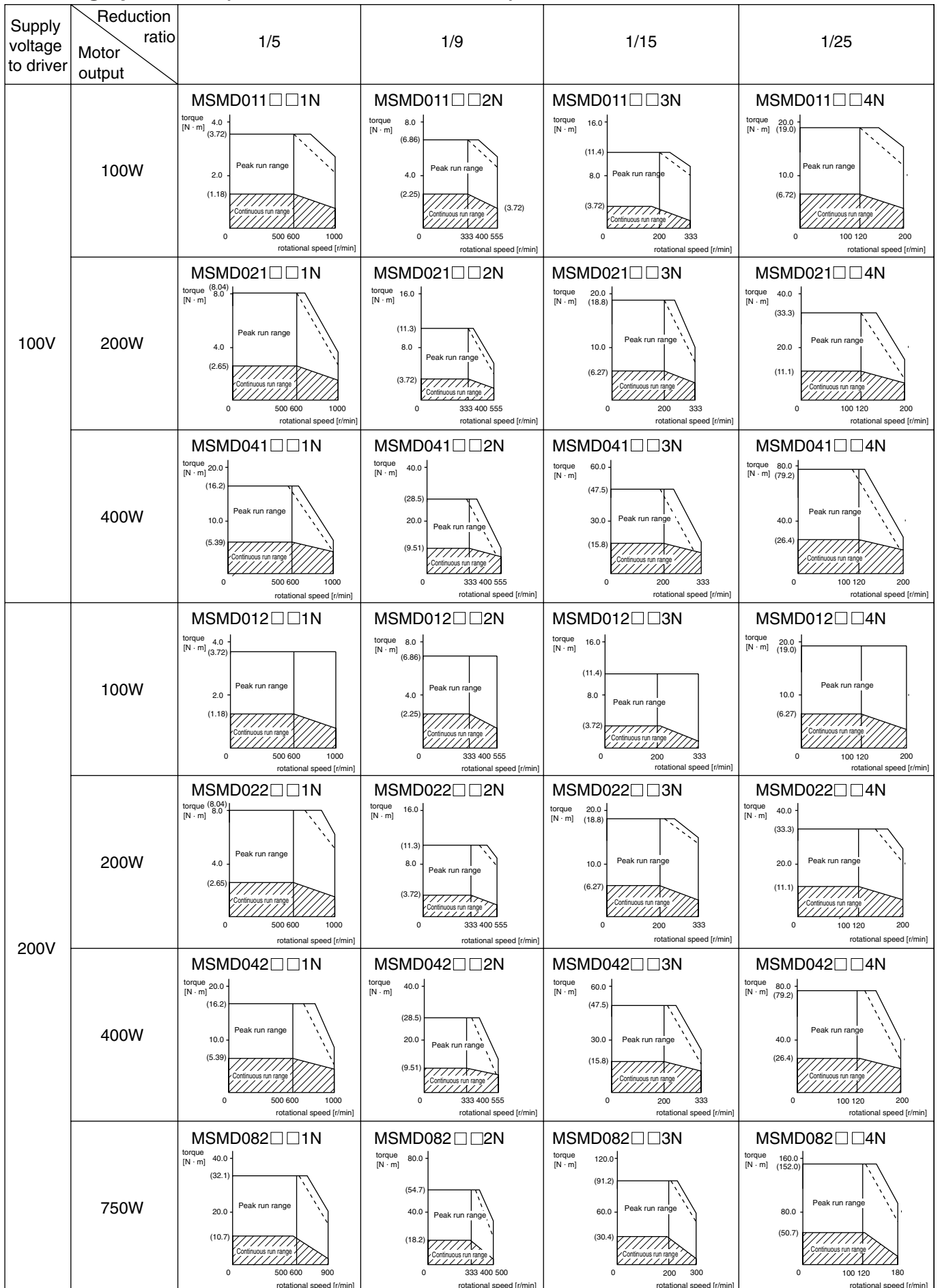
Encoder	Motor output	100V		200V			
		Part No. of motor with reducer	Single phase, 100V	Part No. of motor with reducer	Single phase, 200V	Part No. of motor with reducer	3-phase, 200V
			Part No. of driver		Part No. of driver		Part No. of driver
2500P/r Incremental	100W	MSMD011P□□N	MADDT1107	MSMD012P□□N	MADDT1205	-	-
			MADDT1107P		MADDT1205P		
	200W	MSMD021P□□N	MBDDT2110	MSMD022P□□N	MADDT1207	-	-
			MBDDT2110P		MADDT1207P		
	400W	MSMD041P□□N	MCDDT3120	MSMD042P□□N	MBDDT2210	-	-
			MCDDT3120P		MBDDT2210P		
	750W	-	-	MSMD082P□□N	MCDDT3520	MSMD082P□□N	MCDDT3520
					MCDDT3520P		
17-bit Absolute	100W	MSMD011S□□N	MADDT1107	MSMD012S□□N	MADDT1205	-	-
			MADDT1107P		MADDT1205P		
	200W	MSMD021S□□N	MBDDT2110	MSMD022S□□N	MADDT1207	-	-
			MBDDT2110P		MADDT1207P		
	400W	MSMD041S□□N	MCDDT3120	MSMD042S□□N	MBDDT2210	-	-
			MCDDT3120P		MBDDT2210P		
	750W	-	-	MSMD082S□□N	MCDDT3520	MSMD082S□□N	MCDDT3520
					MCDDT3520P		

For dimensions, refer to pages, A4-22,23 and A4-45,46.

* In the driver model number, the upper row is A4 series, and the lower is A4P series.

Torque Characteristics of Motor with Gear Reducer

● For high precision (MSMD Series 100W - 750W)



Dotted line represents the torque at 10% less supply voltage.