

Table of Part Numbers and Options

Motor series	Power supply	Rated rotational speed (r/min)	Output (W)	2500P/r, Incremental			17bit, Absolute/Incremental common				2500P/r and 17bit common	
				Motor Note) 1	Rating/Spec. (page)	Encoder cable Note) 2	Motor Note) 1	Rating/Spec. (page)	Encoder cable Note) 2	Encoder cable Note) 2	Driver	Frame symbol
MAMA [Ultra low inertia]	Single phase 200V	5000	100	MAMA012P1		MFECA 0**0EAM	MAMA012S1		MFECA 0**0EAE	MFECA 0**0EAD	MADDT1207P	A-frame
			200	MAMA022P1			MAMA022S1				MBDDT2210P	B-frame
			400	MAMA042P1	A4-77		MAMA042S1	A4-77			MCDDT3520P	C-frame
			750	MAMA082P1			MAMA082S1				MDDDT5540P	D-frame
	3-phase, 200V	5000	400	MAMA042P1			MAMA042S1				MCDDT3520P	C-frame
			750	MAMA082P1			MAMA082S1				MDDDT5540P	D-frame
MSMD [low inertia]	Single phase 100V	3000	50	MSMD5AZP1	A4-79	MFECA 0**0EAM	MSMD5AZS1	A4-79	MFECA 0**0EAE	MFECA 0**0EAD	MADDT1105P	A-frame
			100	MSMD011P1			MSMD011S1				MADDT1107P	
			200	MSMD021P1	A4-81		MSMD021S1	A4-81			MBDDT2110P	B-frame
			400	MSMD041P1			MSMD041S1				MCDDT3120P	C-frame
	Single phase 200V	3000	50	MSMD5AZP1	A4-83		MSMD5AZS1	A4-83			MADDT1205P	
			100	MSMD012P1			MSMD012S1				MADDT1205P	A-frame
			200	MSMD022P1			MSMD022S1				MADDT1207P	
			400	MSMD042P1	A4-85		MSMD042S1	A4-85			MBDDT2210P	B-frame
	3-phase, 200V	3000	750	MSMD082P1			MSMD082S1				MCDDT3520P	
			750	MSMD082P1			MSMD082S1				MCDDT3520P	C-frame
			750	MSMD082P1			MSMD082S1				MCDDT3520P	
			750	MSMD082P1			MSMD082S1				MCDDT3520P	C-frame
MQMA [Low inertia Cube type]	Single phase 100V	3000	100	MQMA011P1		MFECA 0**0EAM	MQMA011S1		MFECA 0**0EAE	MFECA 0**0EAD	MADDT1107P	A-frame
			200	MQMA021P1	A4-87		MQMA021S1	A4-87			MBDDT2110P	B-frame
			400	MQMA041P1			MQMA041S1				MCDDT3120P	C-frame
	Single phase 200V	3000	100	MQMA012P1			MQMA012S1				MADDT1205P	A-frame
			200	MQMA022P1	A4-89		MQMA022S1	A4-89			MADDT1207P	
			400	MQMA042P1			MQMA042S1				MBDDT2210P	B-frame
MSMA [low inertia]	Single phase 200V	3000	1000	MSMA102P1		MFECA 0**0ESD	MSMA102S1		MFECA 0**0ESE	MFECA 0**0ESD	MDDDT5540P	
			1500	MSMA152P1			MSMA152S1				MDDDT5540P	D-frame
	3-phase, 200V	3000	1000	MSMA102P1	A4-91		MSMA102S1	A4-91			MDDDT5540P	
			1500	MSMA152P1			MSMA152S1				MDDDT5540P	
			2000	MSMA202P1			MSMA202S1				MEDDT7364P	E-frame
			3000	MSMA302P1			MSMA302S1				MFDDTA390P	
			4000	MSMA402P1	A4-93		MSMA402S1	A4-93			MFDDTB3A2P	F-frame
5000	MSMA502P1		MSMA502S1		MFDDTB3A2P							
MDMA [Middle inertia]	Single phase 200V	2000	1000	MDMA102P1		MFECA 0**0ESD	MDMA102S1		MFECA 0**0ESE	MFECA 0**0ESD	MDDDT3530P	
			1500	MDMA152P1	A4-95		MDMA152S1	A4-95			MDDDT5540P	D-frame
	3-phase, 200V	2000 Note)3	1000	MDMA102P1			MDMA102S1				MDDDT3530P	
			1500	MDMA152P1			MDMA152S1				MDDDT5540P	
			2000	MDMA202P1	A4-97		MDMA202S1	A4-97			MEDDT7364P	E-frame
			3000	MDMA302P1			MDMA302S1				MFDDTA390P	
			4000	MDMA402P1	A4-99		MDMA402S1	A4-99			MFDDTB3A2P	F-frame
			5000	MDMA502P1			MDMA502S1				MFDDTB3A2P	
MGMA [Middle inertia Low speed/High torque]	Single phase 200V	1000	900	MGMA092P1		MFECA 0**0ESD	MGMA092S1		MFECA 0**0ESE	MFECA 0**0ESD	MDDDT5540P	D-frame
	3-phase, 200V	1000	900	MGMA092P1	A4-101		MGMA092S1	A4-101			MDDDT5540P	
			2000	MGMA202P1			MGMA202S1				MFDDTA390P	
			3000	MGMA302P1			MGMA302S1				MFDDTB3A2	F-frame
			4500	MGMA452P1	A4-103		MGMA452S1	A4-103			MFDDTB3A2P	
MFMA [Middle inertia Flat type]	Single phase 200V	2000	400	MFMA042P1		MFECA 0**0ESD	MFMA042S1		MFECA 0**0ESE	MFECA 0**0ESD	MCDDT3520P	C-frame
			1500	MFMA152P1	A4-105		MFMA152S1	A4-105			MDDDT5540P	D-frame
	3-phase, 200V	2000 Note)3	400	MFMA042P1			MFMA042S1				MCDDT3520P	C-frame
			1500	MFMA152P1			MFMA152S1				MDDDT5540P	D-frame
			2500	MFMA252P1			MFMA252S1				MEDDT7364P	E-frame
			4500	MFMA452P1	A4-107		MFMA452S1	A4-107			MFDDTB3A2P	F-frame
MHMA [High inertia]	Single phase 200V	2000	500	MHMA052P1		MFECA 0**0ESD	MHMA052S1		MFECA 0**0ESE	MFECA 0**0ESD	MCDDT3520P	C-frame
			1000	MHMA102P1			MHMA102S1				MDDDT3530P	D-frame
			1500	MHMA152P1	A4-109		MHMA152S1	A4-109			MDDDT5540P	
	3-phase, 200V	2000 Note)3	500	MHMA052P1			MHMA052S1				MCDDT3520P	C-frame
			1000	MHMA102P1			MHMA102S1				MDDDT3530P	D-frame
			1500	MHMA152P1			MHMA152S1				MDDDT5540	
			2000	MHMA202P1			MHMA202S1				MEDDT7364P	E-frame
			3000	MHMA302P1			MHMA302S1				MFDDTA390P	
			4000	MHMA402P1	A4-111		MHMA402S1	A4-111			MFDDTB3A2P	F-frame
			5000	MHMA502P1			MHMA502S1				MFDDTB3A2P	

Optional parts						
Motor cable Note) 2	Motor cable (with brake) Note) 2	Brake cable Note) 2	Regenerative resistor	Reactor	Noise filter	
MFMC 0**0EED	—	MFMCB 0**0GET	DV0P4283	DV0P220	DV0P4170	
			DV0P4284	DV0P221	DV0P4180	
			DV0P4283	DV0P220	DV0P4180	
			DV0P4284	DV0P221	DV0P4220	
MFMC 0**0EED	—	MFMCB 0**0GET	DV0P4280	DV0P227	DV0P4170	
			DV0P4283	DV0P228		
			DV0P4282		DV0P4180	
			DV0P4281	DV0P220		
					DV0P4170	
			DV0P4283	DV0P221	DV0P4180	
MFMC 0**0EED	—	MFMCB 0**0GET	DV0P4280	DV0P227	DV0P4170	
			DV0P4283	DV0P228		
			DV0P4282		DV0P4180	
			DV0P4281	DV0P220		
					DV0P4170	
DV0P4283	DV0P221	DV0P4180				
MFMC 0**0EED	—	MFMCB 0**0GET	DV0P4280	DV0P227	DV0P4170	
			DV0P4283	DV0P228		
			DV0P4282		DV0P4180	
			DV0P4281	DV0P220		
	DV0P4170					
DV0P4283	DV0P221	DV0P4180				
MFMC 0**2ECD	MFMC 0**2FCD	—	DV0P4284	DV0P222	DV0P4220	
			DV0P4285	DV0P223		
			DV0P4285	DV0P224	DV0P3410	
				DV0P225		
MFMC 0**3ECT	MFMC 0**3FCT	—	DV0P4284	DV0P222	DV0P4220	
			DV0P4285	DV0P223		
			DV0P4285	DV0P224	DV0P3410	
				DV0P225		
MFMC 0**2ECD	MFMC 0**2FCD	—	DV0P4284	DV0P222	DV0P4220	
			DV0P4285	DV0P223		
			DV0P4285	DV0P224	DV0P3410	
				DV0P225		
MFMC 0**3ECT	MFMC 0**3FCT	—	DV0P4283	DV0P220	DV0P4180	
			DV0P4284	DV0P222	DV0P4220	
			DV0P4283	DV0P220	DV0P4180	
			DV0P4284	DV0P222	DV0P4220	
MFMC 0**3ECT	MFMC 0**3FCT	—	DV0P4285	DV0P224	DV0P4220	
			DV0P4285	—	DV0P3410	
MFMC 0**2ECD	MFMC 0**2FCD	—	DV0P4283	DV0P220	DV0P4180	
			DV0P4284	DV0P222	DV0P4220	
			DV0P4283	DV0P220	DV0P4180	
			DV0P4284	DV0P222	DV0P4220	
MFMC 0**3ECT	MFMC 0**3FCT	—	DV0P4285	DV0P224	DV0P4220	
			DV0P4285	—	DV0P3410	
MFMC 0**2ECD	MFMC 0**2FCD	—	DV0P4283	DV0P220	DV0P4180	
			DV0P4284	DV0P222	DV0P4220	
			DV0P4283	DV0P220	DV0P4180	
			DV0P4284	DV0P222	DV0P4220	
MFMC 0**3ECT	MFMC 0**3FCT	—	DV0P4285	DV0P224	DV0P4220	
			DV0P4285	—	DV0P3410	
MFMC 0**2ECD	MFMC 0**2FCD	—	DV0P4283	DV0P220	DV0P4180	
			DV0P4284	DV0P222	DV0P4220	
			DV0P4283	DV0P220	DV0P4180	
			DV0P4284	DV0P222	DV0P4220	
MFMC 0**3ECT	MFMC 0**3FCT	—	DV0P4285	DV0P224	DV0P4220	
			DV0P4285	—	DV0P3410	

● Carrying page

Options	Part No.	Carrying page	
Technical reference	Japanese	DV0P4480	—
	English	DV0P4490	—
Console	DV0P4420	A4-152	
Setup support software, PANATERM	Japanese	DV0P4460	A4-151
	English		
RS232 communication cable (for connection with PC)	DV0P1960	A4-147	
Interface cable	DV0P4510	A4-147	
Connector kit for external equipment	DV0P4500	A4-146	
Connector kit for motor and encoder	DV0P4290	A4-148	
	DV0P4380		
	DV0P4310	A4-149	
	DV0P4320		
	DV0P4330		
	DV0P4340		
Battery for absolute encoder	DV0P2990	A4-154	
Mounting bracket	Frame A	DV0P4271	A4-151
	Frame B	DV0P4272	
	Frame C	DV0P4273	
	Frame D	DV0P4274	
Encoder cable	MFECA0**0EAD	A4-143	
	MFECA0**0EAE		
	MFECA0**0EAM		
	MFECA0**0ESD		
	MFECA0**0ESE		
Motor cable	MFMCA0**0EED	A4-144	
	MFMCA0**2ECD		
	MFMCA0**3ECT		
	MFMCD0**2ECD		
	MFMCD0**2ECT		
	MFMCD0**3ECT		
Motor cable (with brake)	MFMCA0**2FCD	A4-145	
	MFMCA0**2FCT		
	MFMCA0**3FCT		
Brake cable	MFMCB0**0GET	A4-145	
Regenerative resistor	50 Ω , 25W	DV0P4280	A4-153
	100 Ω , 25W	DV0P4281	
	25 Ω , 50W	DV0P4282	
	50 Ω , 50W	DV0P4283	
	30 Ω , 100W	DV0P4284	
	20 Ω , 130W	DV0P4285	
Reactor	DV0P220	A4-152	
	to DV0P228		
Noise filter	DV0P4170	A4-138	
	DV0P4180		
	DV0P4220		
	DV0P3410		
Surge absorber	Single phase 100V, 200V	DV0P4190	A4-139
	3-phase 200V	DV0P1450	
Noise filter for signal wire	DV0P1460	A4-139	

Note) 1. □ represents the motor structure.

Note) 2. ** represents the cable length (specified value)

For details, refer to cable specifications (A4-141).