

Tables are for coupling selections only. Refer to selection guide for drive ratings and drive selections.

Mounting dimensions and coupling selections (T10 or T20) are for standard Type MDX drives with standard, single speed, A-C, 1964 rerate NEMA motors on standard Rexnord motor brackets.

TABLE 1 — T10 Series Coupling Dimensions & Mounting Dimensions

Frame Shaft Dia. Keyway	DRIVE SIZE	Coupling Size for 1.00-2.00 Service Factor	Shaft Gap	Drive Hub Overhang	Motor Hub Overhang
143T .875 .187 x .094	300MDX3	1040	.12	NONE	NONE
	300MDX4	1020	1.00	.44	.44
	400MDX3	1040	.12	NONE	NONE
	400MDX4	1030	.50	.38	NONE
	500MDX4	1030	.24	.12	NONE
	600MDX4	1040	.12	NONE	NONE
	700MDX4	1040	.12	NONE	NONE
145T .875 .187 x .094	300MDX3	1040	.12	NONE	NONE
	300MDX4	1020	1.00	.44	.44
	400MDX3	1040	.12	NONE	NONE
	400MDX4	1030	.50	.38	NONE
	500MDX4	1030	.24	.12	NONE
	600MDX4	1040	.12	NONE	NONE
	700MDX4	1040	.12	NONE	NONE
	800MDX4	1050	.82	.35	.35
	900MDX4	1050	.82	.35	.35
182T 1.125 .250 x .125	300MDX3	1040	.12	NONE	NONE
	400MDX3	1040	.12	NONE	NONE
	400MDX4	1030	.12	NONE	NONE
	500MDX3	1050	.52	.40	NONE
	500MDX4	1030	.12	NONE	NONE
	600MDX4	1040	.12	NONE	NONE
	700MDX4	1040	.12	NONE	NONE
	800MDX4	1050	.30	.18	NONE
	900MDX4	1050	.30	.18	NONE
184T 1.125 .250 x .125	300MDX3	1040	.12	NONE	NONE
	400MDX3	1040	.12	NONE	NONE
	500MDX3	1050	.52	.40	NONE
	500MDX4	1030	.12	NONE	NONE
	600MDX3	1060	.12	NONE	NONE
	600MDX4	1040	.12	NONE	NONE
	700MDX3	1060	.12	NONE	NONE
	700MDX4	1040	.12	NONE	NONE
	800MDX4	1050	.30	.18	NONE
900MDX4	1050	.30	.18	NONE	
213T 1.375 .312 x .156	300MDX2	1040	.12	NONE	NONE
	300MDX3	1040	.24	.12	NONE
	400MDX2	1050	.42	.30	NONE
	400MDX3	1040	.24	.12	NONE
	500MDX3	1050	.12	NONE	NONE
	600MDX3	1060	.24	.12	NONE
	600MDX4	1040	.24	.12	NONE
	700MDX3	1060	.24	.12	NONE
	700MDX4	1040	.24	.12	NONE
	800MDX4	1050	.37	.25	NONE
	900MDX4	1050	.37	.25	NONE
215T 1.375 .312 x .156	300MDX2	1040	.12	NONE	NONE
	300MDX3	1040	.24	.12	NONE
	400MDX2	1050	.42	.30	NONE
	400MDX3	1040	.24	.12	NONE
	500MDX3	1050	.12	NONE	NONE
	600MDX3	1060	.24	.12	NONE
	700MDX3	1060	.24	.12	NONE
	700MDX4	1040	.24	.12	NONE
	800MDX3	1060	.12	NONE	NONE
	800MDX4	1050	.37	.25	NONE
	900MDX3	1060	.12	NONE	NONE
	900MDX4	1050	.37	.25	NONE

Type T or TS frame motors can be used on the slotted brackets and positioned for the shaft gap tabulated. Shaft gap also allows for coupling guard installation.

For motors other than NEMA T and TS, a blank bracket may be required. Refer to factory for selection.

Tabulations are given for drives without fans. Some selections may require a drive with an electric fan or auxiliary cooling.

Coupling keyways are standard for all selections. Standard drive shaft diameters and keyways are tabulated in Table 2.

Frame Shaft Dia. Keyway	DRIVE SIZE	Coupling Size for 1.00-2.00 Service Factor	Shaft Gap	Drive Hub Overhang	Motor Hub Overhang
254T 1.625 .375 x .187	300MDX2	1040	.88	.38	.38
	400MDX2	1050	.37	.25	NONE
	400MDX3	1040	.88	.38	.38
	500MDX2	1060	.12	NONE	NONE
	500MDX3	1050	.62	.50	NONE
	600MDX3	1060	.24	.12	NONE
	700MDX3	1060	.24	.12	NONE
	800MDX3	1060	.12	NONE	NONE
	800MDX4	1050	.37	.25	NONE
	900MDX3	1060	.12	NONE	NONE
	900MDX4	1050	.37	.25	NONE
256T 1.625 .375 x .187	300MDX2	1040	.88	.38	.38
	400MDX2	1050	.38	.24	NONE
	500MDX2	1060	.12	NONE	NONE
	500MDX3	1050	.62	.50	NONE
	600MDX3	1060	.24	.12	NONE
	700MDX3	1060	.24	.12	NONE
	800MDX3	1060	.12	NONE	NONE
	900MDX3	1060	.12	NONE	NONE
	900MDX4	1060	.12	NONE	NONE
284T 1.875 .500 x .250	300MDX2	1050	.24	.12	NONE
	400MDX2	1050	.37	.24	NONE
	500MDX2	1060	.12	NONE	NONE
	500MDX3	1050	.12	NONE	NONE
	600MDX2	1070	.24	.12	NONE
	600MDX3	1060	.24	.12	NONE
	700MDX3	1060	.24	.12	NONE
	800MDX3	1060	.12	NONE	NONE
	900MDX3	1060	.12	NONE	NONE
284TS 1.625 .375 x .187	300MDX2	1040	.42	.30	NONE
	400MDX2	1050	1.12	.50	.50
	500MDX2	1060	.62	.25	.25
	500MDX3	1050	1.38	.63	.63
	600MDX2	1070	.37	.25	NONE
	600MDX3	1060	1.00	.44	.44
	700MDX3	1060	1.00	.44	.44
	800MDX3	1060	.12	NONE	NONE
	900MDX3	1060	.12	NONE	NONE
286T 1.875 .500 x .250	300MDX2	1050	.24	.12	NONE
	400MDX2	1050	.37	.25	NONE
	500MDX2	1060	.12	NONE	NONE
	600MDX2	1070	.24	.12	NONE
	600MDX3	1060	.24	.12	NONE
	700MDX2	1070	.12	NONE	NONE
	700MDX3	1060	.24	.12	NONE
	800MDX3	1060	.12	NONE	NONE
	900MDX3	1060	.12	NONE	NONE
286TS 1.625 .375 x .187	300MDX2	1040	.42	.30	NONE
	400MDX2	1050	1.12	.50	.50
	500MDX2	1060	.62	.25	.25
	600MDX2	1070	.37	.25	NONE
	600MDX3	1060	1.00	.44	.44
	700MDX2	1070	.12	NONE	NONE
	700MDX3	1060	1.00	.44	.44
	800MDX3	1060	.12	NONE	NONE
	900MDX3	1060	.12	NONE	NONE

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TABLE 1 Continued

Frame Shaft Dia. Keyway	DRIVE SIZE	Coupling Size for 1.00-2.00 Service Factor	Shaft Gap	Drive Hub Overhang	Motor Hub Overhang
324T 2.125 .500 x .250	300MDX2	1060	.24	.12	NONE
	400MDX2	1060	.12	NONE	NONE
	500MDX2	1060	.12	NONE	NONE
	600MDX2	1070	.24	.12	NONE
	600MDX3	1060	.24	.12	NONE
	700MDX2	1070	.12	NONE	NONE
	700MDX3	1060	.24	.12	NONE
	800MDX3	1060	.12	NONE	NONE
	900MDX3	1060	.12	NONE	NONE
324TS 1.875 .500 x .250	300MDX2	1050	1.12	.50	.50
	400MDX2	1050	.62	.50	NONE
	500MDX2	1060	.12	NONE	NONE
	600MDX2	1070	.12	NONE	NONE
	600MDX3	1060	.50	.38	NONE
	700MDX2	1070	.24	.12	NONE
	700MDX3	1060	.50	.38	NONE
	800MDX3	1060	.37	.25	NONE
	900MDX3	1060	.37	.25	NONE
326T 2.125 .500 x .250	300MDX2	1060	.24	.12	NONE
	400MDX2	1060	.12	NONE	NONE
	500MDX2	1060	.12	NONE	NONE
	600MDX2	1070	.24	.12	NONE
	700MDX2	1070	.12	NONE	NONE
	700MDX3	1060	.24	.12	NONE
	800MDX3	1060	.12	NONE	NONE
	900MDX3	1060	.12	NONE	NONE
	326TS 1.875 .500 x .250	300MDX2	1050	1.12	.50
400MDX2		1050	.62	.50	NONE
500MDX2		1060	.12	NONE	NONE
600MDX2		1070	.12	NONE	NONE
700MDX2		1070	.24	.12	NONE
700MDX3		1060	.50	.38	NONE
800MDX3		1060	.37	.25	NONE
900MDX3		1060	.37	.25	NONE
364T 2.375 .625 x .312		400MDX2	1070	.12	NONE
	500MDX2	1070	.12	NONE	NONE
	600MDX2	1070	.12	NONE	NONE
	700MDX2	1070	.12	NONE	NONE
	700MDX3	1070	.12	NONE	NONE
	800MDX2	1080	.12	NONE	NONE
	800MDX3	1070	.12	NONE	NONE
	900MDX2	1080	.12	NONE	NONE
	900MDX3	1070	.12	NONE	NONE
364TS 1.875 .500 x .250	400MDX2	1060	1.12	.50	.50
	500MDX2	1060	.50	.38	NONE
	600MDX2	1070	.12	NONE	NONE
	700MDX2	1070	.24	.12	NONE
	700MDX3	1070	1.00	.44	.44
	800MDX2	1080	.62	.38	.12
	800MDX3	1060	.62	.38	.12
	900MDX2	1080	.62	.38	.12
	900MDX3	1060	.62	.38	.12
365T 2.375 .625 x .312	400MDX2	1070	.12	NONE	NONE
	500MDX2	1070	.12	NONE	NONE
	600MDX2	1070	.12	NONE	NONE
	700MDX2	1070	.12	NONE	NONE
	800MDX2	1080	.12	NONE	NONE
	800MDX3	1070	.12	NONE	NONE
	900MDX2	1080	.12	NONE	NONE
	900MDX3	1070	.12	NONE	NONE

Frame Shaft Dia. Keyway	DRIVE SIZE	Coupling Size for 1.00-2.00 Service Factor	Shaft Gap	Drive Hub Overhang	Motor Hub Overhang
365TS 1.875 .500 x .250	400MDX2	1060	1.12	.50	.50
	500MDX2	1060	.50	.38	NONE
	600MDX2	1070	.12	NONE	NONE
	700MDX2	1070	.24	.12	NONE
	800MDX2	1080	.62	.38	.12
	800MDX3	1060	.62	.38	.12
	900MDX2	1080	.62	.38	.12
	900MDX3	1060	.62	.38	.12
	404T 2.875 .750 x .375	500MDX2	1080	.12	NONE
600MDX2		1080	.12	NONE	NONE
700MDX2		1080	.12	NONE	NONE
800MDX2		1080	.62	.38	.12
900MDX2		1080	.62	.38	.12
900MDX3		1080	.12	NONE	NONE
404TS 2.125 .500 x .250	500MDX2	1080	1.31	1.19	.38
	600MDX2	1070	1.00	.50	NONE
	700MDX2	1070	.62	.50	NONE
	800MDX2	1080	.12	NONE	NONE
	900MDX2	1080	.12	NONE	NONE
	900MDX3	1080	2.12	1.00	1.00
405T 2.875 .750 x .375	500MDX2	1080	.12	NONE	NONE
	600MDX2	1080	.12	NONE	NONE
	700MDX2	1080	.12	NONE	NONE
	800MDX2	1080	.62	.38	.12
	900MDX2	1080	.62	.38	.12
405TS 2.125 .500 x .250	500MDX2	1080	1.31	1.19	NONE
	600MDX2	1070	1.00	.50	.38
	700MDX2	1070	.62	.50	NONE
	800MDX2	1080	.12	NONE	NONE
444T 3.375 .875 x .438	600MDX2	1090	.62	.50	NONE
	700MDX2	1090	.37	.25	NONE
	800MDX2	1090	.12	NONE	NONE
	900MDX2	1090	.12	NONE	NONE
444TS 2.375 .625 x .312	600MDX2	1080	1.38	.63	.63
	700MDX2	1080	1.12	.50	.50
	800MDX2	1080	.12	NONE	NONE
	900MDX2	1080	.12	NONE	NONE
445T 3.375 .875 x .438	600MDX2	1090	.12	.50	NONE
	700MDX2	1090	.12	.25	NONE
	800MDX2	1090	.12	NONE	NONE
	900MDX2	1090	.12	NONE	NONE
445TS 2.375 .625 x .312	600MDX2	1080	1.38	.63	.63
	700MDX2	1080	1.12	.50	.50
	800MDX2	1080	.12	NONE	NONE
	900MDX2	1080	.12	NONE	NONE

TABLE 2 — High Speed Shaft Diameters & Keys — Inches

DRIVE SIZE	MDX2		MDX3		MDX4	
	Input Shaft Dia.	Key (W x H)	Input Shaft Dia.	Key (W x H)	Input Shaft Dia.	Key (W x H)
300MDX	1.625	.375 X .375	1.625	.375 X .375
400MDX	1.875	.500 X .500	1.625	.375 X .375	1.250	.250 X .250
500MDX	2.215	.500 X .500	1.750	.375 X .375	1.375	.312 X .312
600MDX	2.250	.500 X .500	2.000	.500 X .500	1.625	.375 X .375
700MDX	2.500	.625 X .625	2.000	.500 X .500	1.625	.375 X .375
800MDX	2.750	.625 X .625	2.125	.500 X .500	1.875	.500 X .500
900MDX	2.750	.625 X .625	2.125	.500 X .500	1.875	.500 X .500

TABLE 3 — NEMA T & TS Frame Motor Horsepower Assignments

RPM & HZ	143T	145T	182T	184T	213T	215T	254T	256T	284T	284TS	286T	286TS	324T	324TS	326T	326TS	364T	364TS	365T	365TS	404T	404TS	405T	405TS	444T	444TS	445T	445TS
1750 RPM 60 HZ	1	1.5 2	3	5	7.5	10	15	20	25	25	30	30	40	40	50	50	60	60	75	75	100	100	...	125	...	150	...	200
1430 RPM 50 HZ	1	1.5 2	3	5	7.5	10	15	20	25	25	30	30	40	40	50	50	60	60	75	75	100	100	...	125	...	150	...	200
1170 RPM 60 HZ	.75	1	1.5	2	3	5	7.5	10	15	15	20	20	25	25	30	30	40	...	50	...	60	...	75	...	100	...	125	...
870 RPM 50 HZ	.75	1	1.5	2	3	5	7.5	10	15	15	20	20	25	25	30	30	40	...	50	...	60	...	75	...	100	...	125	...