

Commercial Operator Comparison Chart

MEDIUM DUTY - DETAILED COMPARISON																	
	ITEM	U/M	OHD RMXT	Genie GCL-MT	LM MT	Manaras OMT	Micanan Pro-LT	OHD RMXJ	Genie GCL-MJ	LM MJ	Manaras Opera-MJ	Micanan Pro-LJ	OHD RMXH	Genie GCL-MH	LM MH	Manaras Opera-MH	Micanan Pro-LH
	Warranty	Ea	2 Years / 20K Cycles	2 Years / 20k Cycles	2 Years	2 years	2 years	2 Years / 20K Cycles	2 Years / 20k Cycles	2 years	2 years	2 Years	2 Years / 20K Cycles	2 Years / 20k Cycles	2 years	2 years	2 Years
Mechanical	Motor HP	HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Rated Duty Cycle	cycle/hr/day	15 per hour	15 per hour < 50 cycles per day	12 per hour < 50 cycles per day	14 per hour, 50 cycles per day	15 per hour	15 per hour	15 per hour < 50 cycles per day	12 per hour < 50 cycles per day	14 per hour, 50 cycles per day	15 per hour	15 per hour	15 per hour < 50 cycles per day	12 per hour < 50 cycles per day	14 per hour, 50 cycles per day	15 per hour
	Shipping Weight	Lbs	83 (head and rail)	83 (head and rail)	105 (head and rail)	60	45	58	58	55	73	65	83	83	70	73	70
	Belt	Type	6J Poly-V	6J Poly-V	4L V-Belt	4L V-belt	4L V Belt	6J Poly-V	6J Poly-V	4L V-Belt	5L V-Belt	4L V Belt	6J Poly-V	6J Poly-V	4L V-Belt	5L V-Belt	4L V Belt
	Trolley Chain	ANSI RC	#65	#65	#48	#48	#48	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Sect. Door Interface	Type	2" Track Trolley	2" Track Trolley	2x2 Angle Trolley	2x2 Angle Trolley	2x2 Angle Trolley	Direct or Chain	Chain	Chain	Chain	Chain	Direct or Chain	Chain	Chain	Chain	Chain
	Clutch Shaft Bearings	Type	Precision Ball	Precision Ball	Bearing	Ball Bearing	Ball Bearing	Precision Ball	Precision Ball	Bearing	Ball Bearing	Ball Bearing	Precision Ball	Precision Ball	Bearing	Ball Bearing	Ball Bearing
	Max Door Height	FT	14	14	14	14	16	16	16	14	14	16	16	16	14	14	16

Electrical	Available Voltages, 1Ø	Voltage	115, 230	115, 230	115	115	115,230	115, 230	115, 230	115	115	115,230	115, 230	115, 230	115	115	115,230
	User Interface	Type	LCD Keypad	LCD Keypad	Switch	Switch	Switch	LCD Keypad	LCD Keypad	Switch	Switch	Switch	LCD Keypad	LCD Keypad	Switch	Switch	Switch
	Brake		Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage	Line Voltage
	Diagnostics Display		Via LCD Keypad	Via LCD Keypad	LED	LED	LED	Via LCD Keypad	Via LCD Keypad	LED	LED	LED	Via LCD Keypad	Via LCD Keypad	LED	LED	LED
	Limit Switch	Type	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw	Screw
	Radio Freq		Optional	Optional	315Mhz	313Mhz	Not Published	Optional	Optional	315Mhz	313Mhz	Not Published	Optional	Optional	315Mhz	313Mhz	Not Published
	Max Number of XTMR				20	50				20	50				20	50	
	XTMR Identification				NO	NO				NO	NO				NO	NO	
	Delete Individual XTMR				NO	NO				NO	NO				NO	NO	

Sectional	24GA Steel	Sq Ft	275	270	275	275	280	275	270	275	275	290	275	270	275	275	290
	20GA Steel	Sq Ft	250	230	250	250	225	250	230	250	250	250	250	230	250	250	250
	16GA Steel	Sq Ft	160	160	160	160	150	160	120	160	160	160	160	120	160	160	160
	24GA Steel - Insul.	Sq Ft	200	200	250	250	225	200	200	250	250	250	200	200	250	250	250
	20GA Steel - Insul.	Sq Ft	174	160	160	160	150	174	160	160	160	160	174	160	160	160	160
	16GA Steel - Insul.	Sq Ft	124	120	120	N/A	100	124	120	120	N/A	120	124	120	120	N/A	120
Rolling	24GA Steel	Sq Ft	N/A	N/A	N/A	N/A	N/A	234	394	320	320	320	234	394	320	320	320
	22GA Steel	Sq Ft	N/A	N/A	N/A	N/A	N/A	203	338	275	275	275	203	338	275	275	275
	20GA Steel	Sq Ft	N/A	N/A	N/A	N/A	N/A	177	246	200	200	225	177	246	200	200	225

Sources:

Overhead Door Catalog (March 2013)

Genie Commercial Line price book (May 2012)

LiftMaster Finish Goods price book (May 2012)

Manaras website www.manaras.com (accessed January 2014)

Micanan price book (May 2003)

Micanan website www.micanan.com (accessed January 2014)

Commercial Operator Comparison Chart

STANDARD DUTY - DETAILED COMPARISON																	
	ITEM	U/M	OHD RSXT	Genie GCL-T	LM T	Manaras OTH	Micanan Pro-T	OHD RSXJ	Genie GCL-J	LM J	Manaras Opera-J	Micanan Pro-J	OHD RSXH	Genie GCL-H	LM H	Manaras Opera-H	Micanan Pro-H
	Warranty	Ea	2 Years / 20K Cycles	2 Years / 20k Cycles	2 Years	2 years	2 years	2 Years / 20K Cycles	2 Years / 20k Cycles	2 years	2 years	2 years	2 Years / 20K Cycles	2 Years / 20k Cycles	2 years	2 years	2 years
Mechanical	Motor HP	HP	1/2, 3/4, 1	1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/2, 3/4, 1	1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/2, 3/4, 1	1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1
	Rated Duty Cycle	cycle/hr	60 per hour	30 per hour < 100 cycles per day	25 per hour, up to 80-90 cycles per day	25 per hour, 80 cycles per day	25 per hour	60 per hour	30 per hour < 100 cycles per day	25 per hour, up to 80-90 cycles per day	25 per hour, 100 cycles per day	25 per hour	60 per hour	30 per hour < 100 cycles per day	25 per hour, up to 80-90 cycles per day	25 per hour, 100 cycles per day	25 per hour
	Shipping Weight (head)	Lbs	110 (head and rail)	83 (head and rail)	130 (head and rail)	71	80	75	75	95	73	95	75	75	110	73	95
	Belt	Type	6J Poly-V	6J Poly-V	5L V-Belt	5L V-belt	5L V Belt	6J Poly-V	6J Poly-V	5L V-Belt	5L V-Belt	5L V Belt	6J Poly-V	6J Poly-V	5L V-Belt	5L V-Belt	5L V Belt
	Trolley Chain	ANSI RC	#65=1/2hp #41 = 3/4, 1 hp	#65=1/2hp #41 = 3/4, 1 hp	#48=1/3, 1/2hp #41 = 3/4, 1 hp	#48=1/3, 1/2hp #41 = 3/4, 1 hp	#410=1/3, 1/2hp #41 = 3/4, 1hp	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Sect. Door Interface	Type	2x2 Angle Trolley	2x2 Angle Trolley	2x2 Angle Trolley	2x2 Angle Trolley	2x2 Angle Trolley	Direct or Chain	Chain	Chain	Chain	Chain	Direct or Chain	Chain	Chain	Chain	Chain
	Clutch Shaft Bearings	Type	Precision Ball	Precision Ball	Ball Bearing	Ball Bearing	Ball Bearing	Precision Ball	Precision Ball	Ball Bearing	Ball Bearing	Ball Bearing	Precision Ball	Precision Ball	Ball Bearing	Ball Bearing	Ball Bearing
	Max Door Height	FT	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Electrical	Available Voltages, 1Ø	Voltage	115, 208-230	115, 208-230	115, 230	115, 230	115, 230	115, 208-230	115, 208-230	115, 230	115, 230	115, 230	115, 208-230	115, 208-230	115, 230	115, 230	115, 230
	Available Voltages, 3Ø	Voltage	208-230/460, 575	208-230/460, 575	230, 460, 575	208, 460, 575	208-230, 460, 575	208-230/460, 575	208-230/460, 575	230, 460, 575	230, 460, 575	208-230, 460, 575	208-230/460, 575	208-230/460, 575	230, 460, 575	230, 460, 575	208-230, 460, 575
	User Interface	Type	LCD Keypad	LCD Keypad	Switch	Switch	Switch	LCD Keypad	LCD Keypad	Switch	Switch	Switch	LCD Keypad	LCD Keypad	Switch	Switch	Switch
	Direction Setting		Via LCD Keypad	Via LCD Keypad	Re-wire and /or Limit Move	Re-wire Motor or Line Voltage	Re-wire and /or Limit Move	Via LCD Keypad	Via LCD Keypad	Re-wire and /or Limit Move	Re-wire Motor or Line Voltage	Re-wire and /or Limit Move	Via LCD Keypad	Via LCD Keypad	Re-wire and /or Limit Move	Re-wire Motor or Line Voltage	Re-wire and /or Limit Move
	Brake / Progressive Braking		24VDC / Yes	24VDC / Yes	Line Voltage / No	Line Voltage / No	Line Voltage / No	24VDC / Yes	24VDC / Yes	Line Voltage / No	Line Voltage / No	Line Voltage / No	24VDC / Yes	24VDC / Yes	Line Voltage / No	Line Voltage / No	Line Voltage / No
	Diagnostics Display		Via LCD Display	Via LCD Display	LED	LED	LED	Via LCD Display	Via LCD Display	LED	LED	LED	Via LCD Display	Via LCD Display	LED	LED	LED
	Limit Switch	Type	Electro-Mechanical Limits	Electro-Mechanical Limits	Screw	Screw	Screw	Electro-Mechanical Limits	Electro-Mechanical Limits	Screw	Screw	Screw	Electro-Mechanical Limits	Electro-Mechanical Limits	Screw	Screw	Screw
	Radio Freq		315/390Mhz	315Mhz	315Mhz	313Mhz	Not Published	315/390Mhz	315/390Mhz	315Mhz	313Mhz	Not Published	315/390Mhz	315/390Mhz	315Mhz	313Mhz	Not Published
	Max # Rolling Code XTMR		250	50	23	50		250	50	23	50		250	50	23	50	
	XTMR Identification		Yes	Yes	NO	NO		Yes	Yes	NO	NO		Yes	Yes	NO	NO	
	Delete Individual XTMR		Yes	Yes	NO	NO		Yes	Yes	NO	NO		Yes	Yes	NO	NO	
Sectional (1/2hp)	24GA Steel	Sq Ft	270	270	350	343	280	448	440	350	343	365	448	440	350	343	365
	20GA Steel	Sq Ft	230	230	320	314	225	336	370	320	314	320	336	370	320	314	320
	16GA Steel	Sq Ft	120	120	250	N/A	150	294	256	250	N/A	250	294	256	250	N/A	250
	24GA Steel - Insul.	Sq Ft	200	200	320	314	225	330	340	320	314	320	330	340	320	314	320
	20GA Steel - Insul.	Sq Ft	160	160	250	245	150	294	256	250	245	250	294	256	250	245	250
	16GA Steel - Insul.	Sq Ft	120	120	200	N/A	100	230	220	200	N/A	200	230	220	200	N/A	200
Rolling (1/2hp)	24GA Steel	Sq Ft	N/A	N/A	N/A	N/A	N/A	337	394	400	358	400	337	394	400	358	400
	22GA Steel	Sq Ft	N/A	N/A	N/A	N/A	N/A	292	338	350	319	350	292	338	350	319	350
	20GA Steel	Sq Ft	N/A	N/A	N/A	N/A	N/A	255	246	280	260	300	255	246	280	260	300

Sources:

Overhead Door Catalog (March 2013)

Genie Commercial Line price book (May 2012)

LiftMaster Finish Goods price book (May 2012)

Manaras website www.manaras.com (accessed January 2014)

Micanan price book (May 2003)

Micanan website www.micanan.com (accessed January 2014)

Commercial Operator Comparison Chart

HEAVY DUTY - DETAILED COMPARISON												
	ITEM	U/M	OHD RHXT	Genie GCL-GT	LM GT	Manaras MGT	Micanan Pro-GT	OHD RHXH	Genie GCL-GH	LM GH	Manaras Opera-GH	Micanan Pro-GH
	Warranty	Ea	2 Years / 20K Cycles	2 Years / 20k Cycles	2 Years	2 years	2 years	2 Years / 20K Cycles	2 Years / 20k Cycles	2 years	2 years	2 years
Mechanical	Motor HP	HP	1/2, 3/4, 1	1/2, 3/4, 1	1/2, 3/4, 1, 1-1/2	1/2, 3/4, 1, 1-1/2	1/3, 1/2, 3/4, 1	1/2, 3/4, 1, 3	1/2, 3/4, 1, 3	1/2, 3/4, 1, 1-1/2, 2, 3	1/2, 3/4, 1, 1-1/2, 2	1/2, 3/4, 1, 1-1/2, 2
	Rated Duty Cycle	cycle/hr	60 per hour	60 per hour > 100 cycles per day	25 per hour > 90 cycles per day	25 per hour, >80 cycles per day	30 per hour	60 per hour	60 per hour > 100 cycles per day	25 per hour > 90 cycles per day	25 per hour, >80 cycles per day	30 per hour
	Shipping Weight (head)	Lbs	150 (head and rail)	150 (head and rail)	160 (head and rail)	126	110	75	75	125	119	110
	Reduction	Type	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear	Heavy Duty Worm Gear
	Trolley Chain	ANSI RC	#41	#41	#41	#41	#41	N/A	N/A	N/A	N/A	N/A
	Sect. Door Interface	Type	2x2 Angle Trolley	2x2 Angle Trolley	2x2 Angle Trolley	2x2 Angle Trolley	2x2 Angle Trolley	Direct /Chain	Chain	Chain	Chain	Chain
	Clutch Shaft Bearings	Type	Precision Ball	Precision Ball	Ball Bearing	Ball Bearing	Ball Bearing	N/A	N/A	N/A	N/A	N/A
	Max Door Height	FT	24	24	24	24	24	24	24	24	24	24
Electrical	Available Voltages, 1Ø	Voltage	115, 208-230	115, 208-230	115, 230	115, 230	115, 230	115, 208-230	115, 208-230	115, 230	115, 230	115, 230
	Available Voltages, 3Ø	Voltage	208-230/460, 575	208-230/460, 575	230, 460, 575	208, 460, 575	208-230, 460, 575	208-230/460, 575	208-230/460, 575	230, 460, 575	230, 460, 575	208-230, 460, 575
	User Interface	Type	LCD Keypad	LCD Keypad	Switch	Switch	Switch	LCD Keypad	LCD Keypad	Switch	Switch	Switch
	Direction Setting		Via LCD Keypad	Via LCD Keypad	Re-wire and /or Limit Move	Re-wire Motor or Line Voltage	Re-wire and /or Limit Move	Via LCD Keypad	Via LCD Keypad	Re-wire and /or Limit Move	Re-wire Motor or Line Voltage	Re-wire and /or Limit Move
	Brake / Progressive Braking		24VDC / Yes	24VDC / Yes	Line Voltage / No	Line Voltage / No	Line Voltage / No	24VDC / Yes	24VDC / Yes	Line Voltage / No	Line Voltage / No	Line Voltage / No
	Diagnostics Display		Via LCD Display	Via LCD Display	LED	LED	LED	Via LCD Display	Via LCD Display	LED	LED	LED
	Limit Switch	Type	Electro-Mechanical Limits	Electro-Mechanical Limits	Screw	Screw	Screw	Electro-Mechanical Limits	Electro-Mechanical Limits	Screw	Screw	Screw
	Radio Freq		315/390Mhz	315Mhz	315Mhz	313Mhz	Not Published	315/390Mhz	315Mhz	315Mhz	313Mhz	Not Published
	Max # Rolling Code XTMR		250	50	23	50		250	50	23	50	
	XTMR Identification		Yes	Yes	NO	NO		Yes	Yes	NO	NO	
	Delete Individual XTMR		Yes	Yes	NO	NO		Yes	Yes	NO	NO	
Sectional (1/2hp)	24GA Steel	Sq Ft	448	520	350	343	365	448	520	300	343	310
	20GA Steel	Sq Ft	406	410	320	314	320	406	410	275	314	275
	16GA Steel	Sq Ft	330	300	250	N/A	250	330	300	225	N/A	225
	24GA Steel - Insul.	Sq Ft	336	400	320	314	320	336	400	275	314	275
	20GA Steel - Insul.	Sq Ft	330	280	250	245	250	330	280	225	245	225
	16GA Steel - Insul.	Sq Ft	262	256	200	N/A	200	262	256	175	N/A	175
Rolling (1/2hp)	24GA Steel	Sq Ft	N/A	N/A	N/A	N/A	N/A	465	360	325	358	325
	22GA Steel	Sq Ft	N/A	N/A	N/A	N/A	N/A	403	333	300	319	300
	20GA Steel	Sq Ft	N/A	N/A	N/A	N/A	N/A	351	277	250	260	265

Sources:

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LiftMaster Finish Goods price book (May 2012)

Manaras website www.manaras.com (accessed January 2014)

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