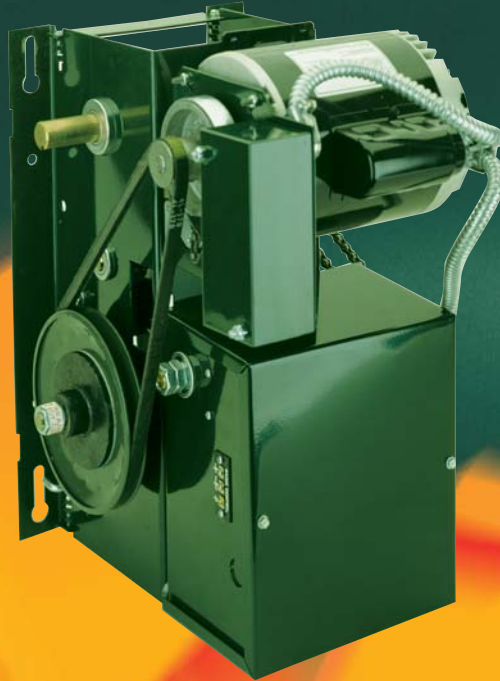


Technical Data Book

Addendum (obsolete models)



Commercial & Industrial **Door Operators**

Edition 2008-01-11 V1



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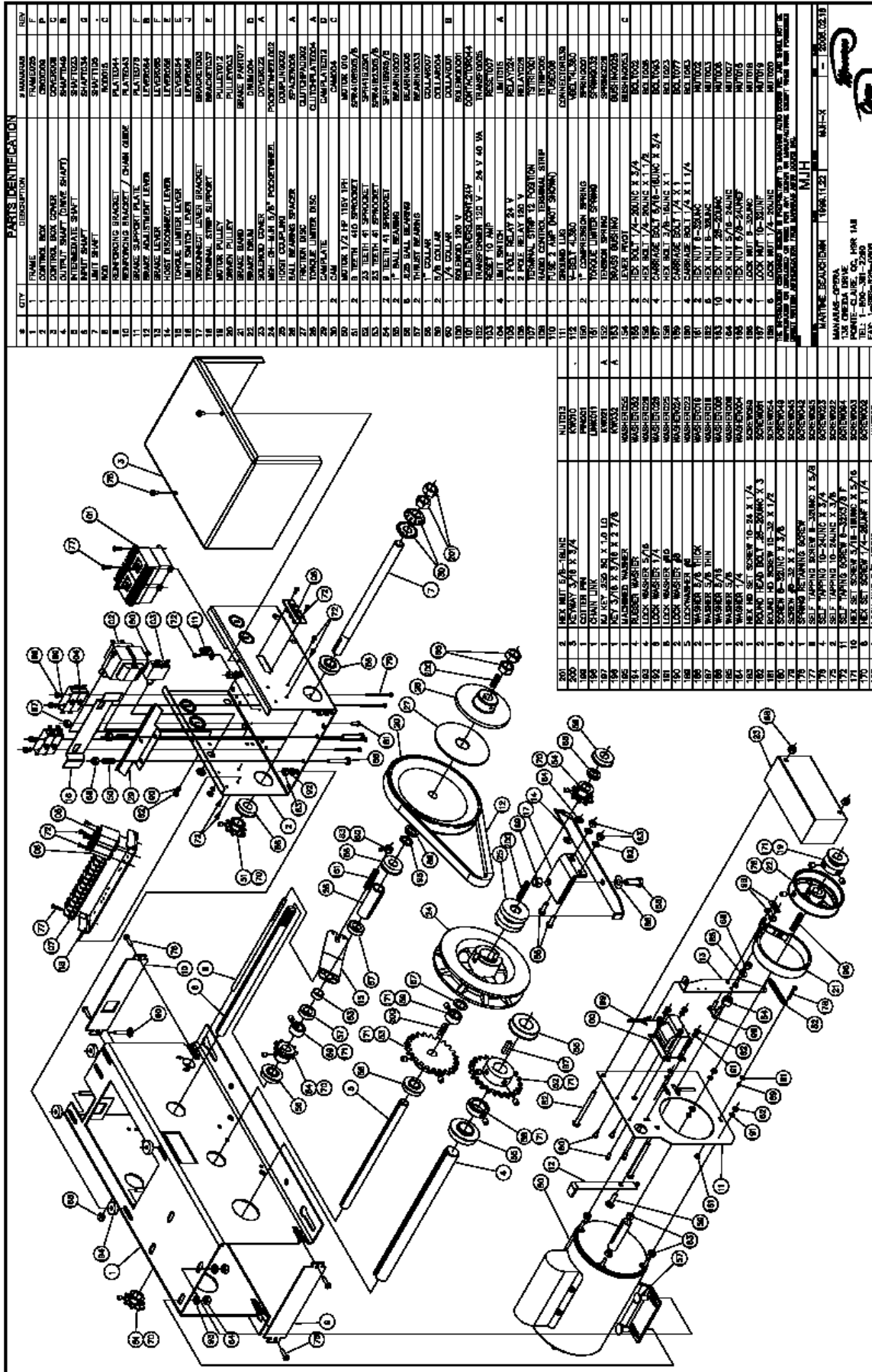
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PARTS IDENTIFICATION		QTY	DESCRIPTION	QTY	DESCRIPTION	QTY	DESCRIPTION
167	3	SET SCREW 1/8"-20-3/16"	SCREW	3	SET SCREW 1/8"-20-3/16"	3	SET SCREW 1/8"-20-3/16"
168	2	FLAT WASHER 20 X 6.28 X .065	WASHER	2	FLAT WASHER 20 X 6.28 X .065	2	FLAT WASHER 20 X 6.28 X .065
169	2	WASHER 3/8"	WASHER	2	WASHER 3/8"	2	WASHER 3/8"
170	4	LOCK WASHER #6	LOCK WASHER	4	LOCK WASHER #6	4	LOCK WASHER #6
171	4	LOCK WASHER #10	LOCK WASHER	4	LOCK WASHER #10	4	LOCK WASHER #10
172	4	WASHER #10	WASHER	4	WASHER #10	4	WASHER #10
173	4	WASHER #12	WASHER	4	WASHER #12	4	WASHER #12
174	6	LIMIT SWITCH SPACER	SPACER	6	LIMIT SWITCH SPACER	6	LIMIT SWITCH SPACER
175	1	COMPRESSION SPRING	SPRING	1	COMPRESSION SPRING	1	COMPRESSION SPRING
176	1	BRASS SPRING	SPRING	1	BRASS SPRING	1	BRASS SPRING
177	1	TURBLE LIMIT SPRING	SPRING	1	TURBLE LIMIT SPRING	1	TURBLE LIMIT SPRING
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299	1	ROD	ROD	1	ROD	1	ROD
300	1	ROD	ROD	1	ROD	1	ROD

* For obsolete models, please verify availability of replacement parts with inside sales





PARTS IDENTIFICATION

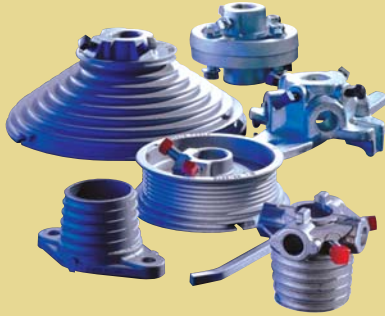
QTY	FRAME DESCRIPTION	MANUFACTURER	REV
1	FRAME	FRAMAZO	F
1	CONTROL BOX	OMRON	P
2	CONTROL BOX COVER (WHITE SHAFT)	OMRON	B
3	INTERMEDIATE SHAFT	OMRON	B
6	INTERMEDIATE SHAFT	OMRON	B
7	LIMIT SHAFT	OMRON	C
7	LIMIT SHAFT	OMRON	C
8	ROCK	OMRON	C
8	REVERSE BRACKET	OMRON	C
10	REVERSE BRACKET / SHAFT GEAR	OMRON	C
11	REVERSE BRACKET / SHAFT GEAR	OMRON	C
12	BRAKE ADJUSTMENT LEVER	OMRON	C
13	BRAKE LEVER	OMRON	C
14	HORN DISCONNECT LEVER	OMRON	C
15	TORQUE LIMITER LEVER	OMRON	C
16	LIMIT SWITCH LEVER	OMRON	C
17	DISCONNECT LEVER BRACKET	OMRON	C
18	DISCONNECT LEVER BRACKET	OMRON	C
19	DRIVEN PULLEY	OMRON	C
20	DRIVEN PULLEY	OMRON	C
21	BRAKE BAND	OMRON	C
22	BRAKE DRIVE	OMRON	C
23	SPRING DRIVER	OMRON	C
24	SPRING DRIVER	OMRON	C
25	SPRING DRIVER	OMRON	C
26	SPRING DRIVER	OMRON	C
27	FRACTION DISC	OMRON	C
28	FRACTION DISC	OMRON	C
29	FRACTION DISC	OMRON	C
30	FRACTION DISC	OMRON	C
31	FRACTION DISC	OMRON	C
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97	FRACTION DISC	OMRON	C
98	FRACTION DISC	OMRON	C
99	FRACTION DISC	OMRON	C
100	FRACTION DISC	OMRON	C

* For obsolete models, please verify availability of replacement parts with inside sales



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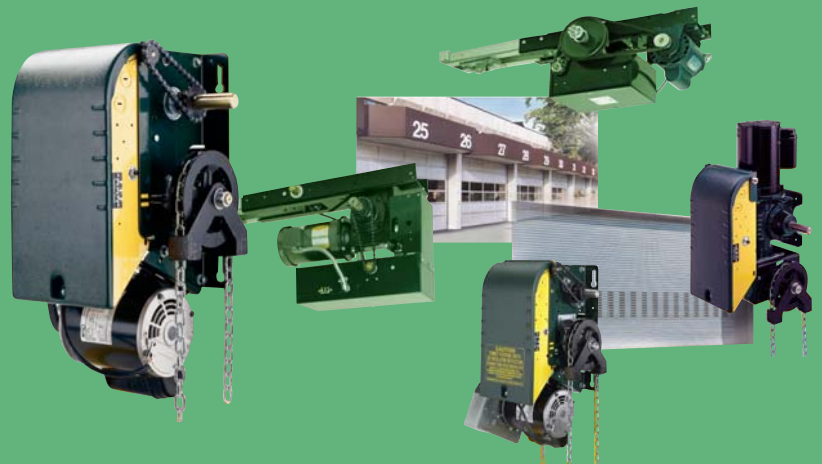
Manaras-Opera, Québec, Canada

We pride ourselves on having one of the most comprehensive, reliable and innovative product lines on the market. Product offerings consist of our signature Opera™ brand of jackshaft and gear head operators, including our patented Hoist-a-matic®, as well as trolleys and sliders for medium and heavy duty applications. Our product line also includes a wide range of modifications, control accessories, and entrapment protection devices, providing solutions for commercial and industrial projects.



Manaras-Opera, part of the Canimex Group,

has been designing, assembling and marketing operators for commercial and industrial garage doors, commercial grilles and shutters for more than 25 years. The Manaras-Opera head office and manufacturing facility is located in Montréal, Québec, Canada, with an expanded distribution network across North America.



Manaras-Opera reserves the right to make specification or design changes without prior notice.

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