

**PROMAC®**

**SX-821DA**

**Metal Working Bandsaw**

**SX-821DA..... 3~400V, 50Hz**

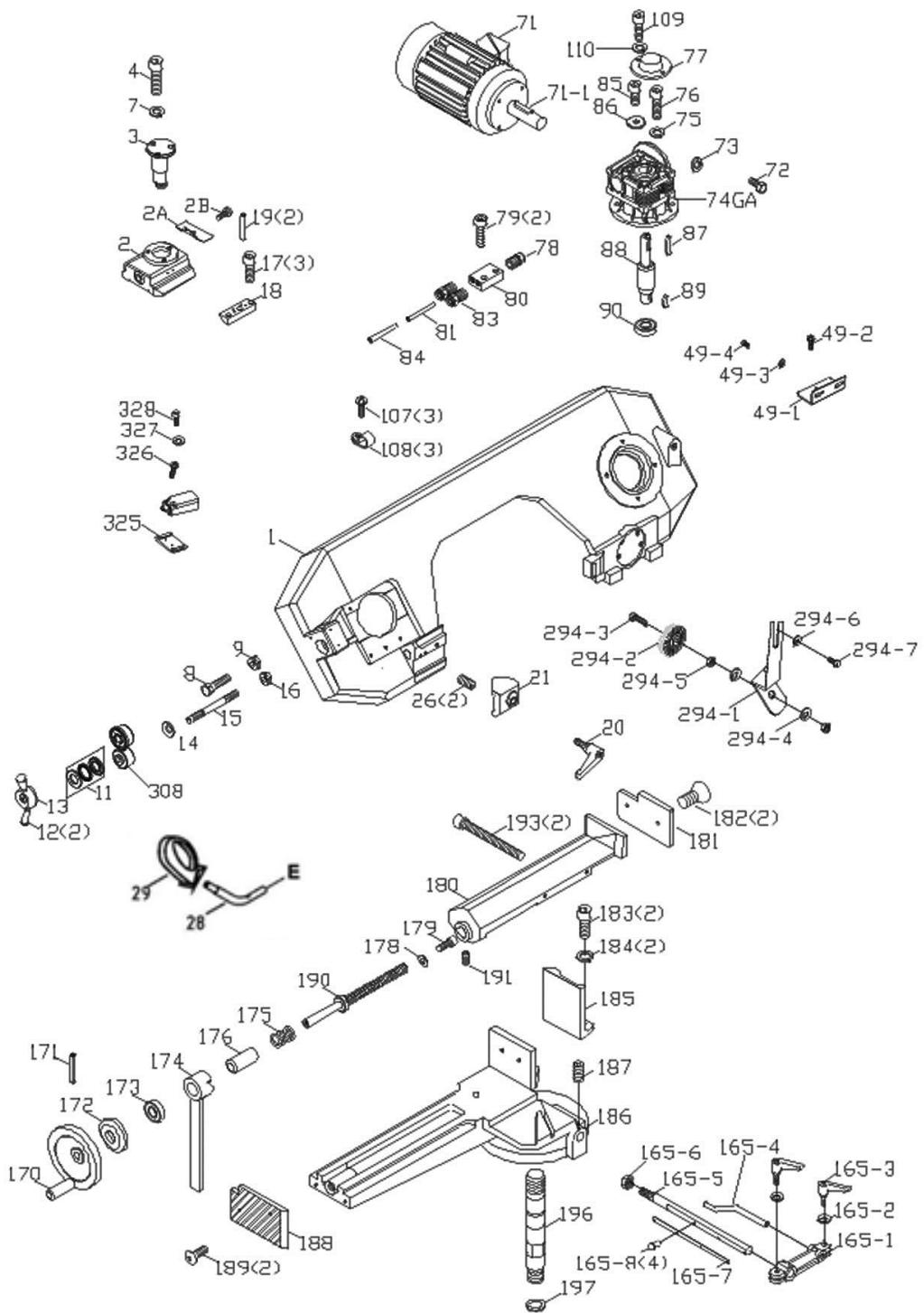
## **PARTS LIST**

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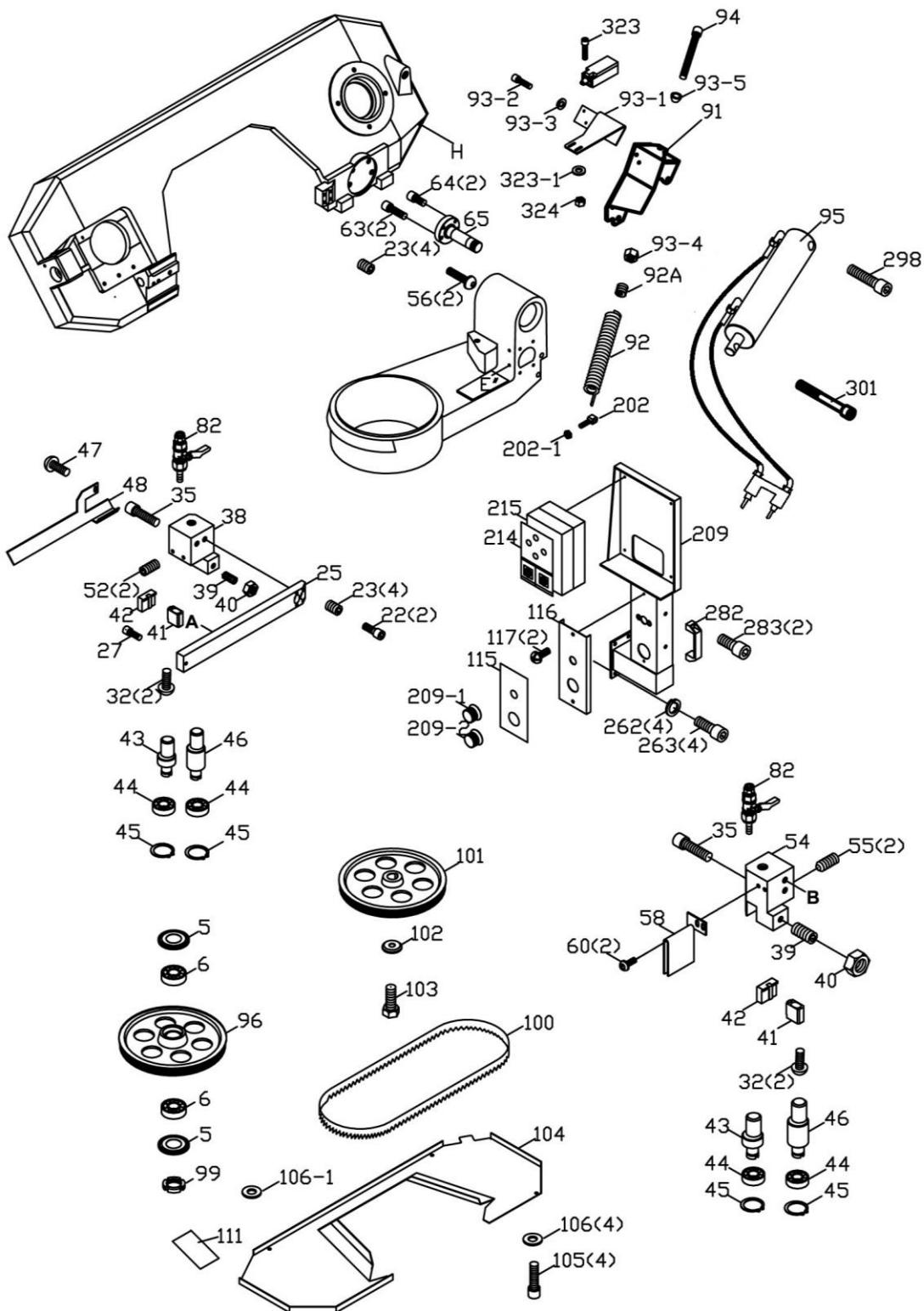
**TOOL FRANCE S.A.S**  
9 Rue des Pyrénées, 91090 LISSES, France  
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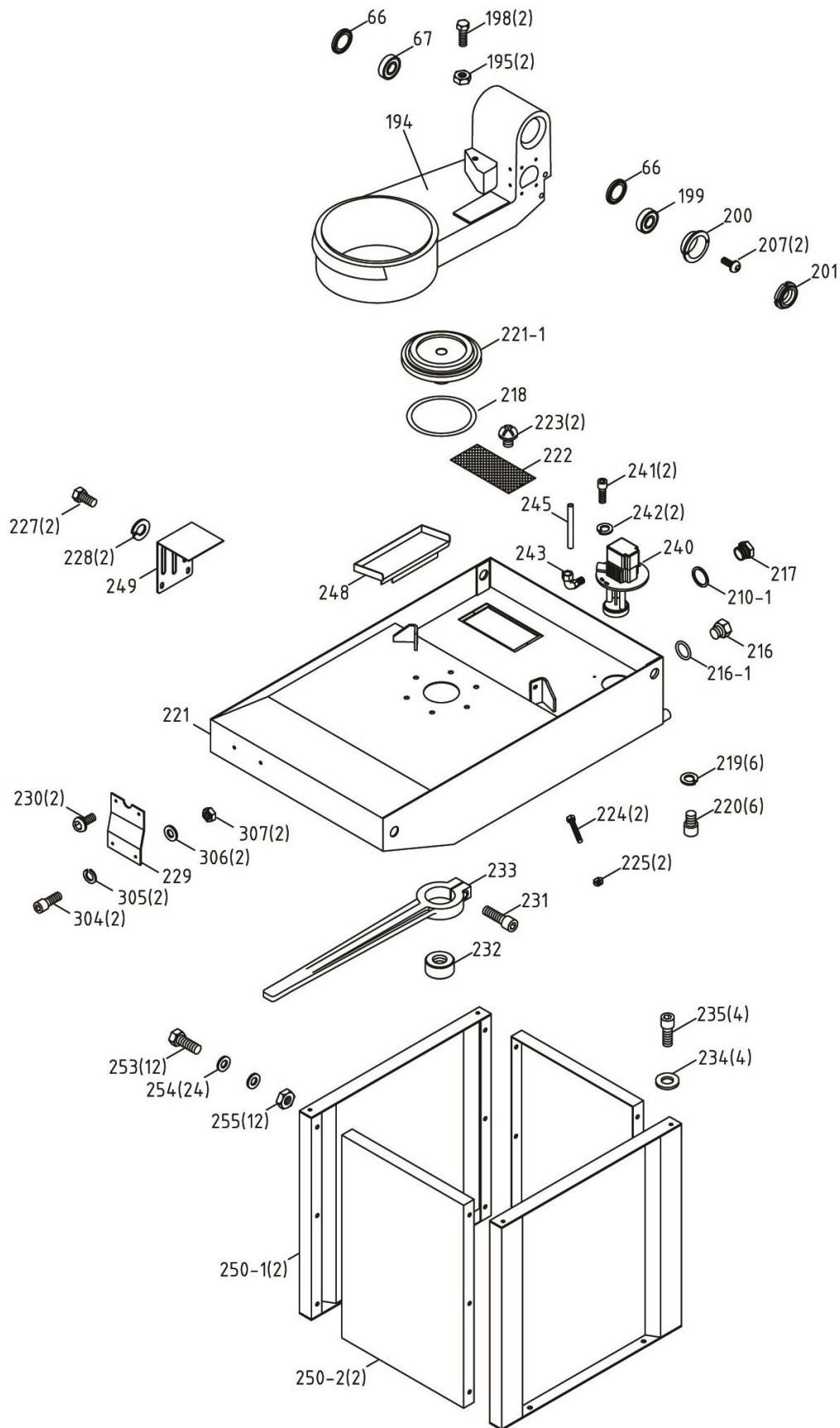
## Breakdown for the SX-821DA



## Breakdown for the SX-821DA



## Breakdown for the SX-821DA



## Parts List for the SX-821DA

<b>Index</b>	<b>Part</b>	<b>Description</b>	<b>Size</b>	<b>Qty.</b>
<b>No.</b>	<b>No.</b>			
1	MBS910CS-01B	Body Frame		1
2	MBS910CS-02B	Anchor Block		1
2A	MBS910CS-02A	Anchor Plate		1
2B	MBS708CS-02B	Round Head Screw	M5x10	2
3	MBS910CS-03B	Shaft		1
4	TS-1504061	Socket Head Cap Screw	M8x30	3
5	MBS910CS-05	Anti-Chip Cover		2
6	BB-32006	Tapered Roller Bearing	32006	2
7	TS-2361081	Lock Washer	M8	3
8	TS-1490081	Hex. Cap Screw	M8x45	1
9	MBS708CS-09	Nut	M8	1
11	MBS708CS-11	Thrust Bearing	51203	1
12	MBS708CS-12	Knob		2
13	MBS708CS-13	Blade Tension Handle		1
14	MBS708CS-14	Lock Washer	ø16.3xø31.5x1.8t	14
15	MBS910CS-15A	Lead screw		1
16	TS-154010	Nut	M16	1
17	TS-1504041	Socket Head Cap Screw	M8x20	3
18	MBS708CS-18B	Fixed Block		1
19	MBS708CS-19	Pin	ø 5X40	2
20	MBS910CS-20	Locking Lever	M10x60	1
21	MBS910CS-21B	Fixed Block		1
22	TS-1504041	Socket Head Cap Screw	M8x20	2
23	TS-1503041	Socket Set Screw	M6x16	4
25	MBS910CS-25	Blade adjust stick		1
26	TS-1524021	Socket Set Screw	M8x10	2
27	TS-1503021	Socket Head Cap Screw	M6x10	1
28	MBS708CS-28	Connecting Tube		1
	MBS910CS-28N	Connecting Tube (for Manual cut)		1
29	MBS708CS-29	Handle		1
	MBS910CS-29N	Handle (for Manual cut)		1
30	TS-1550071	Flat Washer	M10	1
32	MBS910CS-32	Round Head Screw	M6x30	4
35	TS-1503011	Socket Head Cap Screw	M6x8	2
38	MBS910CS-38	Blade Adjust		1
39	TS-1524051	Socket Set Screw	M8x20	2
40	TS-1540061	Hex. Nut	M8	2
41	MBS910CS-41	Guide		2
42	MBS910CS-42	Guide		2
43	MBS910CS-43	Eccentric Guide		2
44	BB-608ZZ	Ball Bearing	608ZZ	4
45	MBS708CS-45	C-Retainer Ring	ø 8	4
46	MBS910CS-46	Eccentric Guide		2
47	MBS910CS-47	Round Head Screw	M6x15	2
48	MBS910CS-48	Blade Cover		1
49S	MBS708CS-49S	Power Cutting Bracket		1
49-1	MBS708CS-49-1	Power Cutting Bracket		1
49-2	MBS708CS-49-2	Cross Round Head Screw	M3x30	2
49-3	TS-1550041	Flat Washer	M6	2
49-4	TS-1503031	Socket Head Cap Screw	M6x12	2
52	TS-1523011	Socket Set Screw	M6x6	2
	MBS910CS-BAC	Blade Adjustable Complete Assembly (#32,35,39-46,54-55,58,60,82)		1
54	MBS910CS-54	Blade Adjustable		1

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<b>Index</b>	<b>Part No.</b>	<b>Description</b>	<b>Size</b>	<b>Qty.</b>
55 .....	TS-1523011 .....	Socket Set Screw.....	M6x6 .....	2
56 .....	TS-1504071 .....	Socket Head Cap Screw.....	M8x35 .....	2
57 .....	TS-1550051 .....	Flat Washer.....	M8 .....	2
58 .....	MBS910CS-58 .....	Blade Cover .....	.....	1
60 .....	MBS910CS-60 .....	Round Head Screw.....	M5x10 .....	2
63 .....	TS-1505061 .....	Socket Head Cap Screw.....	M10x40 .....	2
64 .....	TS-1505031 .....	Socket Head Cap Screw.....	M10x25 .....	2
65 .....	MBS910CS-65 .....	Frame Pivot Shaft .....	.....	1
66 .....	MBS910CS-66 .....	Anti-Chip Cover.....	.....	2
67 .....	BB-32006 .....	Tapered Roller Bearing.....	32006 .....	1
71 .....	MBS910CS-71AE .....	Motor .....	1.5HP/400V/3PH .....	1
72 .....	TS-1503061 .....	Socket Head Cap Screw.....	M6x25 .....	4
73 .....	TS-2361061 .....	Lock Washer .....	M6 .....	4
74GA .....	MBS910CS-74GA .....	Gear Box Assembly (08040509 and higher).....	.....	1
75 .....	TS-2361101 .....	Lock Washer .....	M10 .....	4
76 .....	TS-1490041 .....	Hex Cap Screw (08040509 and higher) .	M8x25 .....	4
77 .....	MBS910CS-77 .....	Reducer Cover .....	.....	1
78 .....	MBS708CS-78 .....	Hose Fitting .....	ø 8x1/4"PT .....	1
79 .....	TS-1503041 .....	Socket Head Cap Screw.....	M6x16 .....	2
80 .....	MBS708CS-80 .....	3 Way Valve .....	.....	1
81 .....	MBS708CS-81 .....	PU Tube .....	ø 6x240L .....	1
82 .....	MBS708CS-82 .....	Valve .....	1/8" .....	2
83 .....	MBS708CS-83 .....	Hose Fitting .....	ø 6x1/8"PT .....	4
84 .....	MBS910CS-84 .....	PU Tube .....	ø 6x800L .....	1
85 .....	TS-1505041 .....	Socket Head Cap Screw.....	M10x30 .....	1
86 .....	MBS708CS-86 .....	Private Shaft Washer .....	.....	1
87 .....	MBS708CS-87 .....	Round Head Key.....	8x7x50 .....	1
88 .....	MBS910CS-88N .....	Output Shaft (08040509 and higher) .....	.....	1
89 .....	MBS910CS-89 .....	Round Head Key.....	8x7x25 .....	1
90 .....	MBS910CS-90 .....	Ball Bearing.....	6208-2RS .....	1
91 .....	MBS910CS-91 .....	Spring Bracket (07100404 and higher)...	.....	1
92 .....	MBS910CS-92 .....	Spring .....	.....	1
92A .....	MBS910CS-92A .....	Bushing .....	.....	1
93-1 .....	MBS910CS-92-1 .....	Down Bracket (07100404 and higher) .....	.....	1
93-2 .....	TS-1502041 .....	Socket Head Cap Screw .....	M5x16 .....	2
93-3 .....	TS-2361051 .....	Lock Washer .....	M5 .....	2
93-4 .....	TS-1540071 .....	Nut.....	M10 .....	1
93-5 .....	MBS910CS-93-5 .....	Bushing .....	.....	1
94 .....	MBS910CS-094 .....	Socket Head Cap Screw .....	M10x110 .....	1
95 .....	MBS910CS-95 .....	Hydraulic Cylinder Assembly .....	.....	1
96 .....	MBS910CS-96 .....	Idler Wheel .....	.....	1
99 .....	MBS910CS-99 .....	Nut.....	AN06 .....	1
100 .....	MBS910CS-100 .....	Blade .....	0.9x27x2450x5/8T .....	1
101 .....	MBS910CS-101 .....	Drive Wheel .....	.....	1
102 .....	MBS708CS-102 .....	Drive Shaft Washer .....	.....	1
103 .....	TS-1492021 .....	Hex. Cap Screw .....	M12x30 .....	1
104 .....	MBS910CS-104G .....	Blade Back Cover .....	.....	1
105 .....	TS-1503041 .....	Socket Head Cap Screw .....	M6x16 .....	4
106 .....	TS-1550041 .....	Flat Washer.....	M6 .....	4
107 .....	MBS910CS-107 .....	Cross Round Head Screw .....	M5x20 .....	3
108 .....	MBS910CS-108 .....	Hose Clip .....	ø 8 .....	3
109 .....	TS-1504031 .....	Socket Head Cap Screw .....	M8x15 .....	2

## Parts List for the SX-821DA

Index No.	Part No.	Description	Size	Qty.
110 .....	TS-2361081 .....	Lock Washer .....	M8 .....	2
111 .....	MBS910CS-111 .....	Label For Dimension of Section Cut .....	.....	1
116 .....	MBS910CS-116 .....	Cover .....	.....	1
117 .....	MBS910CS-117 .....	Round Head Screw .....	M5x15 .....	2
165S .....	MBS910CS-165S .....	Distance Set Rod Assembly .....	.....	1
165-1 .....	MBS708CS-165-1 .....	Distance Set Bracket .....	.....	1
165-2 .....	TS-1550051 .....	Flat Washer .....	M8 .....	2
165-3 .....	MBS708CS-165-3 .....	Knob .....	.....	2
165-4 .....	MBS708CS-165-4 .....	Stock Stop Rod .....	.....	1
165-5 .....	MBS910CS-165-5 .....	Distance Set Rod .....	.....	1
165-6 .....	TS-154009 .....	Hex. Nut .....	M14 .....	1
165-7 .....	MBS708CS-165-7 .....	Scale .....	.....	1
165-8 .....	MBS708CS-165-8 .....	Rivet .....	ø 2 .....	4
170 .....	MBS910CS-170 .....	Wheel .....	.....	1
171 .....	MBS708CS-171 .....	Pin .....	ø 5x35 .....	1
172 .....	MBS910CS-172 .....	Bearing Cover .....	.....	1
173 .....	MBS708CS-173 .....	Thrust Bearing .....	ø 30x ø 47x3.5 .....	1
174 .....	MBS708CS-174 .....	Vises Handle .....	.....	1
175 .....	MBS708CS-175 .....	Spring .....	.....	1
176 .....	MBS910CS-176 .....	Bushing .....	.....	1
178 .....	MBS708CS-178 .....	Washer .....	ø 6.5x ø 18 .....	1
179 .....	TS-1503041 .....	Socket Head Cap Screw .....	M6x16 .....	1
180 .....	MBS910CS-180G .....	Vise Jaw Bracket .....	.....	1
181 .....	MBS910CS-181 .....	Vise .....	.....	1
182 .....	MBS708CS-182 .....	Hex. Socket Flat Head Screw .....	M6x12 .....	2
183 .....	TS-1505041 .....	Socket Head Cap Screw .....	M10x30 .....	2
184 .....	TS-2361101 .....	Lock Washer .....	M10 .....	2
185 .....	MBS910CS-185G .....	Vise .....	.....	1
186 .....	MBS910CS-186G .....	Vise Jaw Bracket .....	.....	1
187 .....	TS-1524021 .....	Socket Set Screw .....	M8x10 .....	1
188 .....	MBS910CS-188 .....	Vise .....	.....	1
189 .....	TS-1503041 .....	Socket Head Cap Screw .....	M6x16 .....	2
190 .....	MBS910CS-190 .....	Lead screw Assembly .....	.....	1
191 .....	TS-1524051 .....	Socket Set Screw .....	M8x20 .....	1
193 .....	MBS910CS-193 .....	Socket Head Cap Screw .....	M6x110 .....	2
194 .....	MBS910CS-194G .....	Swivel Arm .....	.....	1
195 .....	TS-1540071 .....	Hex. Nut .....	M10 .....	2
196 .....	MBS910CS-196 .....	Vise Jaw Adjustable Rod .....	.....	1
197 .....	MBS708CS-197 .....	O-Retainer Ring .....	ø 9.8x ø 2.4 .....	1
198 .....	TS-2210451 .....	Hex. Cap Screw .....	M10x45 .....	2
199 .....	BB-32007 .....	Tapered Roller Bearing .....	32007 .....	1
200 .....	MBS910CS-200 .....	Bushing .....	.....	1
201 .....	MBS910CS-201 .....	Nut .....	AN-07 .....	1
202 .....	MBS708CS-202 .....	Bolt .....	.....	1
207 .....	TS-1522051 .....	Socket Set Screw .....	M5x16 .....	2
209 .....	MBS910CS-209G .....	Control Box Base .....	.....	1
209-1 .....	MBS910CS-209-1 .....	On/Off Value Knob .....	.....	1
209-2 .....	MBS910CS-209-2 .....	Throttle Valve Knob .....	.....	1
210-1 .....	MBS910VS-210-1 .....	O-Retainer Ring .....	P16 .....	1
214 .....	MBS910CS-214 .....	Label for Name Plate (not shown) .....	.....	1
215 .....	MBS910CS-215 .....	Control Switch Assembly .....	.....	1
216 .....	MBS708CS-216 .....	Hex Socket Plug .....	3/8"PT .....	1

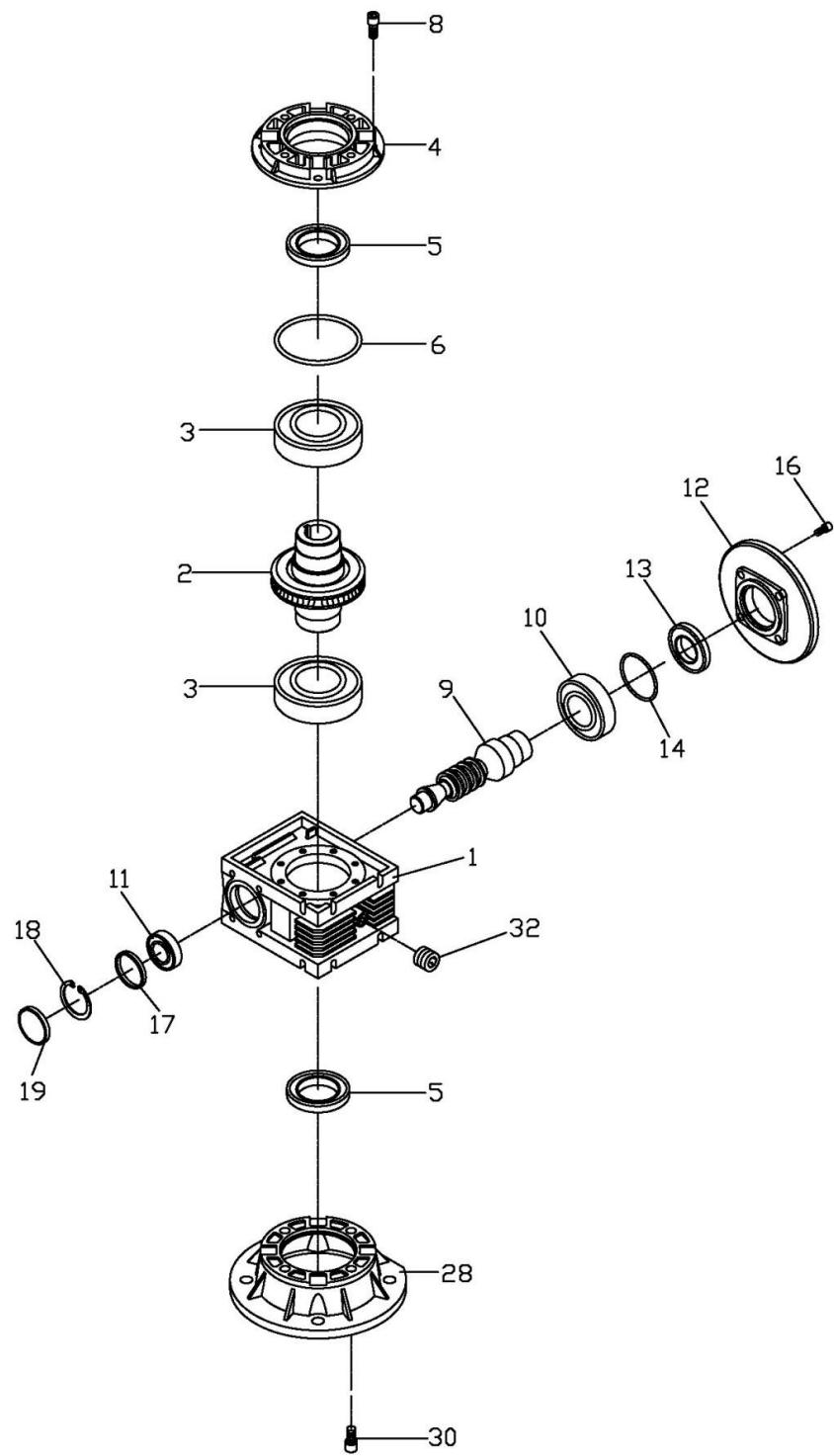
## Parts List for the SX-821DA

Index No.	Part No.	Description	Size	Qty.
216-1	MBS708CS-216-1	O-Retainer Ring .....	P14.....	1
217	MBS910VS-217	Oil Mirror (oil glass).....	3/8"PT.....	1
218	MBS910CS-218	O-Retainer Ring .....	ID19.5x5.7 .....	1
219	TS-2361101	Lock Washer .....	M10 .....	6
220	TS-1505021	Socket Head Cap Screw .....	M10x 20 .....	6
221	MBS910CS-221B	Coolant Pan .....	.....	1
221-1	MBS910CS-221-1G	Swivel Arm Base .....	.....	1
222	MBS708CS-222	Filter .....	.....	1
223	MBS708CS-223	Cross Round Head Screw .....	M4x8 .....	2
224	TS-1491081	Hex. Cap Screw .....	M10x50 .....	1
224-1	TS-1491161	Hex. Cap Screw .....	M10x100 .....	1
225	TS-1541041	Hex. Nut .....	M10 .....	2
227	TS-1491031	Hex. Cap Screw .....	M10x25 .....	2
228	TS-2361101	Lock Washer .....	M10 .....	2
229	MBS910CS-229	Fixed Plate .....	.....	1
230	MBS708CS-230	Round Head Screw .....	M6x10 .....	2
231	TS-1505051	Socket Head Cap Screw .....	M10x35 .....	1
232	MBS708CS-232	Nut .....	.....	1
233	MBS910CS-233	Adjustable Handle .....	.....	1
234	TS-1550051	Flat Washer .....	M8 .....	4
235	TS-1504051	Socket Head Cap Screw .....	M8x25 .....	4
240	MBS708CS-240E	Pump .....	1/8HP/400V .....	1
241	MBS708CS-241	Pan Head Screw .....	M6x15 .....	2
242	TS-2361061	Lock Washer .....	M6 .....	2
243	MBS708CS-243	Micro Control Block .....	3/8"x3/8" .....	1
245	MBS708CS-245	PU Tube .....	ø 8x1300L .....	1
248	MBS708CS-248G	Fluid Collected Plate .....	.....	1
249	MBS910CS-249	Feed Support .....	.....	1
250	MBS910CS-250	Stand Leg Set .....	.....	1
250-1	MBS910CS-250-1G	Stand Leg .....	.....	2
250-2	MBS910CS-250-2G	Stand Leg .....	.....	2
253	TS-1490031	Hex. Cap Screw .....	M8x20 .....	12
254	TS-1550051	Flat Washer .....	M8 .....	24
255	TS-1540061	Hex. Nut .....	M8 .....	12
262	TS-2361061	Lock Washer .....	M6 .....	4
263	TS-1503041	Socket Head Cap Screw .....	M6x16 .....	4
282	MBS708CS-282	Knob .....	.....	1
283	TS-1504031	Socket Head Cap Screw .....	M8x16 .....	2
294S	MBS910CS-294S	Brush Assembly .....	.....	1
294-1	MBS910CS-294-1	Brush Support .....	.....	1
294-2	MBS910CS-294-2	Brush .....	.....	1
294-3	TS-1482061	Hex. Cap Screw .....	M6x30 .....	1
294-4	TS-1550041	Flat Washer .....	M6 .....	2
294-5	TS-1540041	Hex. Nut .....	M6 .....	1
294-7	TS-2246102	Socket Head Button Screw .....	M6x10 .....	2
304	TS-1503041	Socket Head Cap Screw .....	M6x16 .....	2
305	TS-2361061	Lock Washer .....	M6 .....	2
306	TS-1550041	Flat Washer .....	M6 .....	2
307	TS-1540041	Hex. Nut .....	M6 .....	2
308	MBS708CS-308	Blade tension Meter .....	.....	1
325	MBS910CS-325	Micro Switch Bracket .....	.....	1

## Parts List for the SX-821DA

Index No.	Part No.	Description	Size	Qty.
326 .....	MBS910CS-326 .....	Cross Round Head Screw .....	M4x28 .....	2
327 .....	TS-1550031 .....	Flat Washer.....	M5 .....	2
328 .....	TS-1481041 .....	Hex. Cap Screw .....	M5X16.....	2

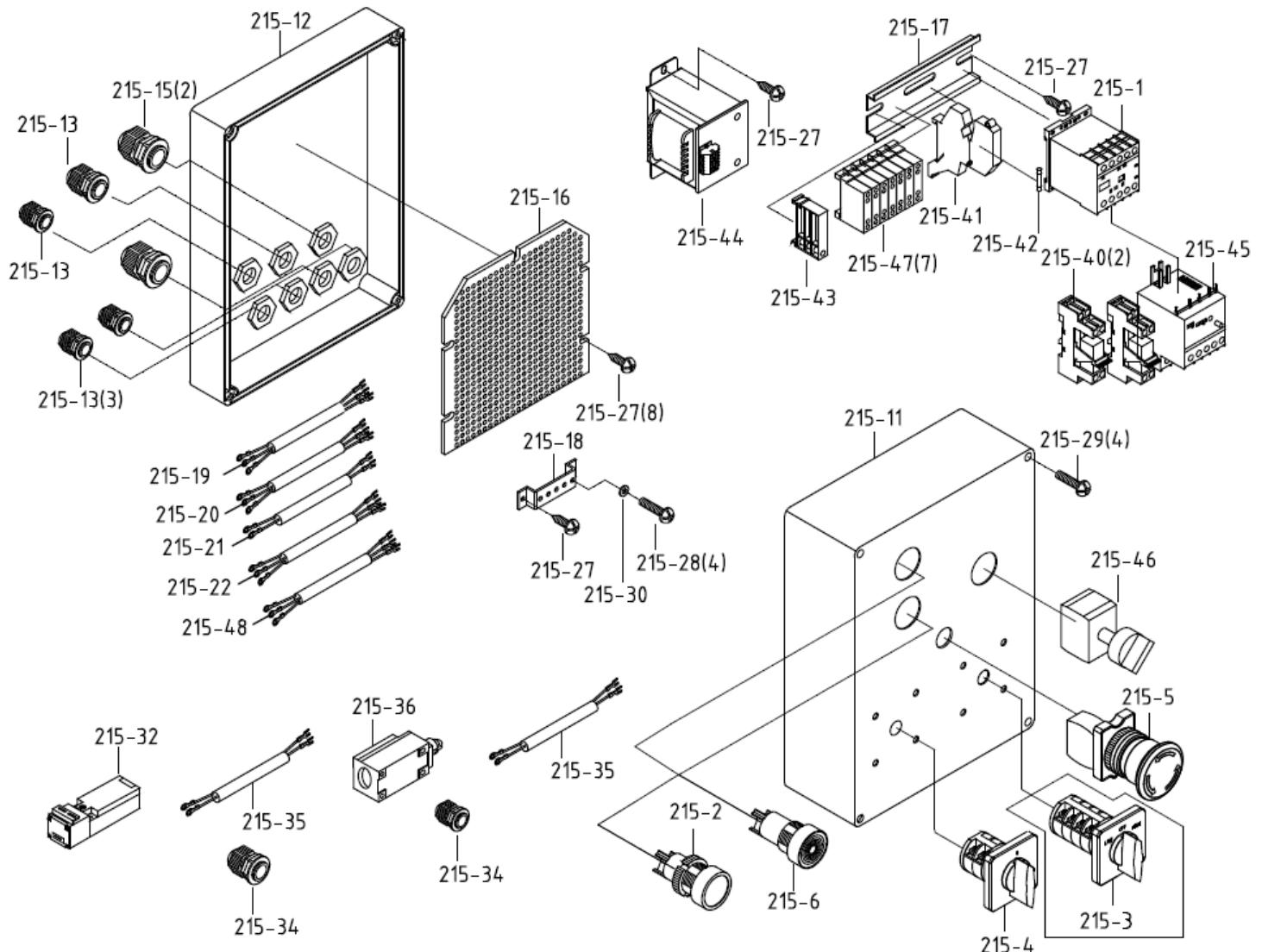
**Parts list for SX-821DA**  
**Breakdown for Gear Box Assembly**



**Parts List for SX-821DA**  
**Gear Box Assembly**

<b>Index</b>	<b>Part</b>			
<b>No.</b>	<b>No.</b>	<b>Description</b>	<b>Size</b>	<b>Qty.</b>
1	MBS708CS-74GA-1	Gear Box		1
2	MBS910CS-74GA-2	Worm Gear	E=1/40	1
3	BB-6008ZZ	Ball Bearing	6008ZZ	2
4	MBS708CS-74GA-4	Gear Box Cover		1
5	MBS708CS-74GA-5	Oil Seal	TC40x62x7b	2
6	MBS708CS-74GA-6	Oil Seal		1
8	MBS708CS-74GA-8	Socket Star Head Screw	M6x16	8
9	MBS910CS-74GA-9	Worm Shaft		1
10	BB-6006ZZ	Ball Bearing	6006ZZ	1
11	BB-6204ZZ	Ball Bearing	6204ZZ	1
12	MBS708CS-74GA-12	Motor Flange		1
13	MBS708CS-74GA-13	Oil Seal	TC30x47x7b	1
14	MBS708CS-74GA-14	Oil Seal		1
16	MBS708CS-74GA-8	Socket Star Head Screw	M6x16	6
17	MBS708CS-74GA-17	Washer		1
18	MBS708CS-74GA-18	C-Ring		1
19	MBS708CS-74GA-19	Oil Seal		1
28	MBS708CS-74GA-28	Connect Flange		1
30	TS-1504031	Socket Head Cap Screw	M8x16	4
32	MBS708CS-74GA-32	Oil Plug		2
	MBS910CS-74GA	Gear Box Assembly 1~32 (08040509 and higher)		

**Breakdown for the SX-821DA  
Electrical Box Assembly**

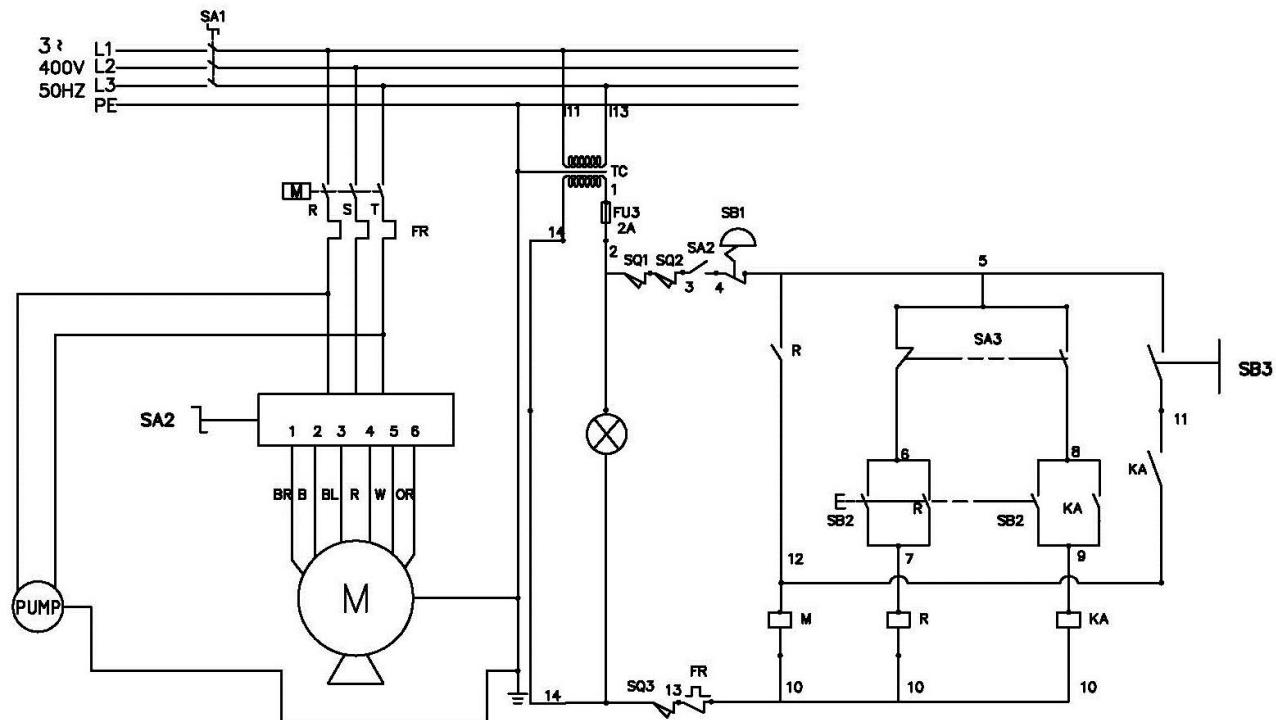


**Parts List for the SX-821DA  
Electrical Box Assembly**

<b>Index</b>	<b>Part</b>		<b>Description</b>	<b>Size</b>	<b>Qty.</b>
<b>No.</b>	<b>No.</b>				
215-1	MBS708CS-215-1		Magnetic-Contact.....	C-06D.....	1
215-2	MBS708CS-215-2		Push-Button Switch.....	NPB-F20G .....	1
215-3	MBS708CS-215-3		Main Power Switch .....	600V/20A .....	1
215-4	MBS708CS-215-4		Choice-Switch .....	600V/20A .....	1
215-5	MBS708CS-215-5		Emergency-Stop Switch.....	HY57B.....	1
215-6	MBS708CS-215-6		Power Light .....	NLD-22.....	1
215-11	MBS708CS-215-11		Box Upper Lib (Black).....	.....	1
215-12	MBS708CS-215-12		Box Seat (Black) .....	.....	1
215-13	MBS708CS-215-13		Cable-Gland .....	PG-9.....	4
215-15	MBS708CS-215-15		Cable-Gland .....	PG-13.5.....	2
215-16	MBS708CS-215-16		Net-Pin .....	.....	1
215-17	MBS708CS-215-17		Din-Rails.....	.....	1
215-18	MBS708CS-215-18		Grand Copper Pin .....	.....	1
215-19	MBS708CS-215-19		Power Cable .....	H07RN-Fx1.5mm <sup>2</sup> .....	1
215-20	MBS708CS-215-20		Motor Cable .....	1.25mm <sup>2</sup> x7C .....	1
215-21	MBS708CS-215-21		Limit Cable .....	H05VV-Fx0.75mm <sup>2</sup> .....	1
215-22	MBS708CS-215-22		Pump Cable .....	H05VV-Fx0.75mm <sup>2</sup> .....	1
215-27	MBS708CS-215-27		Self-tapping Screw .....	M4X8.....	10
215-28	MBS708CS-215-28		Cross Round Head Screw .....	M4X6.....	4
215-29	MBS708CS-215-29		Cross Round Head Screw .....	M4x12 .....	4
215-30	MBS708CS-215-30		Star Washer .....	M4 .....	6
215-32	MBS708CS-215-32		Limit Switch for Blade Guard .....	AZD-S11 .....	1
215-34	MBS708CS-215-34		Cable-Gland .....	PG-11.....	2
215-35	MBS708CS-215-35		Limit Cable .....	H05VV-Fx0.75mm <sup>2</sup> .....	1
215-36	MBS708CS-215-36		Limit Switch for Bow Down .....	AZD-112 .....	1
215-40	MBS708CS-215-40		Relay .....	24V.....	1
215-41	MBS708CS-215-41		Fuse Seat .....	.....	1
215-42	MBS708CS-215-42		Fuse .....	2A.....	1
215-43	MBS708CS-215-43		Fix Block .....	.....	1
215-44	MBS708CS-215-44		Transformer .....	400/24V .....	1
215-45	MBS910CS-215-45		Overload protector .....	2.4A-3.6A .....	1
215-46	MBS910CS-215-46		Auto/Manual switch .....	NSS22-S211B .....	1
215-47	MBS910CS-215-47		Terminal Block .....	CABURE 600V 24A .....	1
				24-12AGE .....	1
215-48	MBS910CS-215-48		Push-Button Switch Cable .....	H05VV-F 2 x0.75 mm <sup>2</sup> .....	1

SX-821DA

3~400V, 50Hz



## SCHEDULE OF ELECTRICAL EQUIPMENT

SCHEDULE OF ELECTRICAL EQUIPMENT				
	Item.	Designation and function	Technical data	QTY
	M1	Contactor		1
	FU1	Fuse base		1
	FUSE	FU1-2A		1
	TC	Transformer	CE20VA 0,230V/400V,0,24V	1
	L	Power light		1
	FR	Over Load For 270	2.9A----4A	1
	SA3	Hand-Auto Switch		1
	SA1	Power switch		1
	SA2	2/4P switch		1
	SB1	Emergency stop button	HY-57B	1
	SB2	Start Switch		1
	KA	Relay		1
	SQ1	Cover Limit switch		1
	SB3	Push Limit Switch		1
	SQ2	Tension Limit Switch		1
	SQ3	Lower Limit Switch		1
	KA	Relay		1