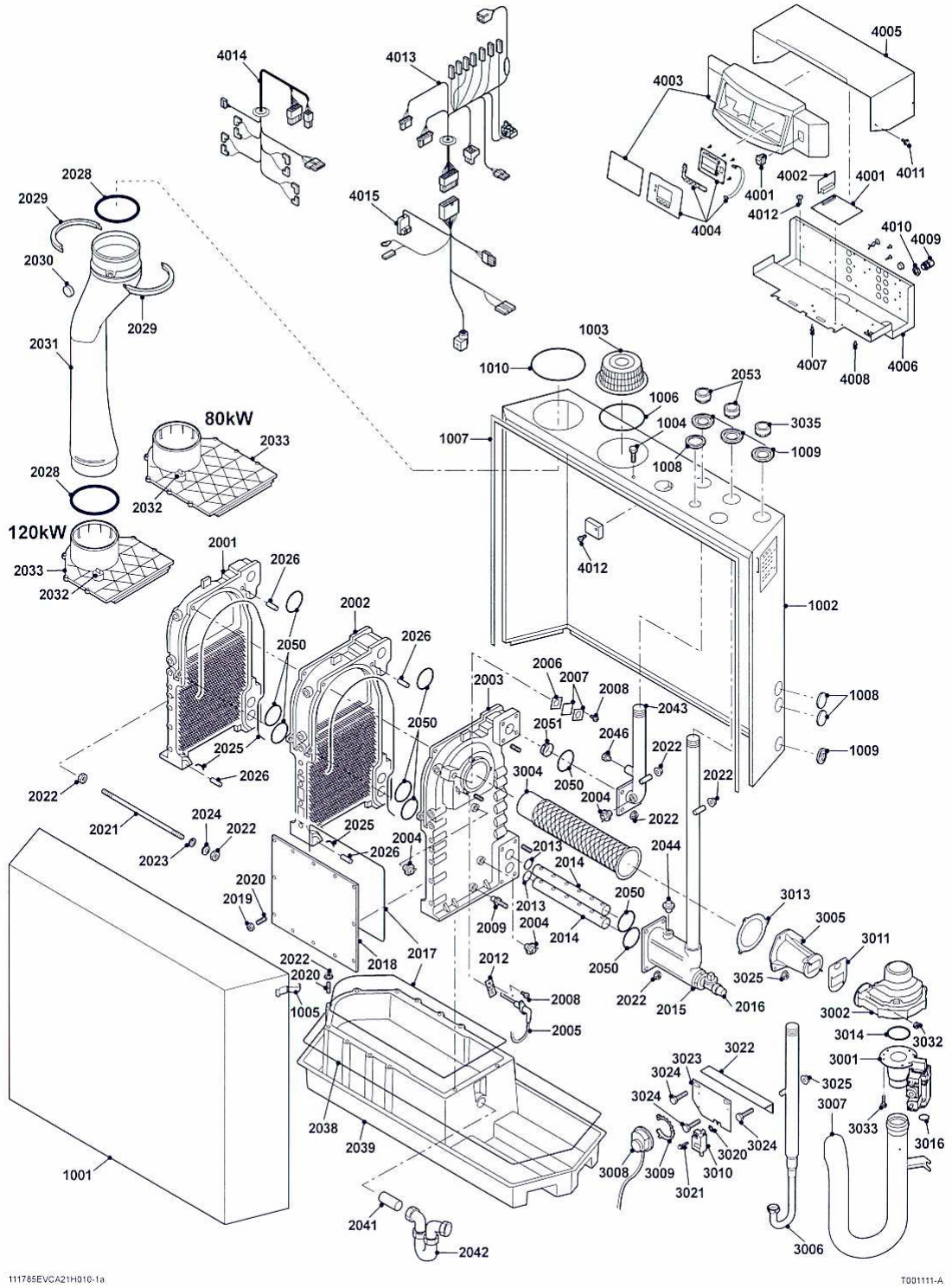
12.2 ECO 230-80KW/120KW Exploded view



12.3 ECO 230-160kW/200kW Exploded view

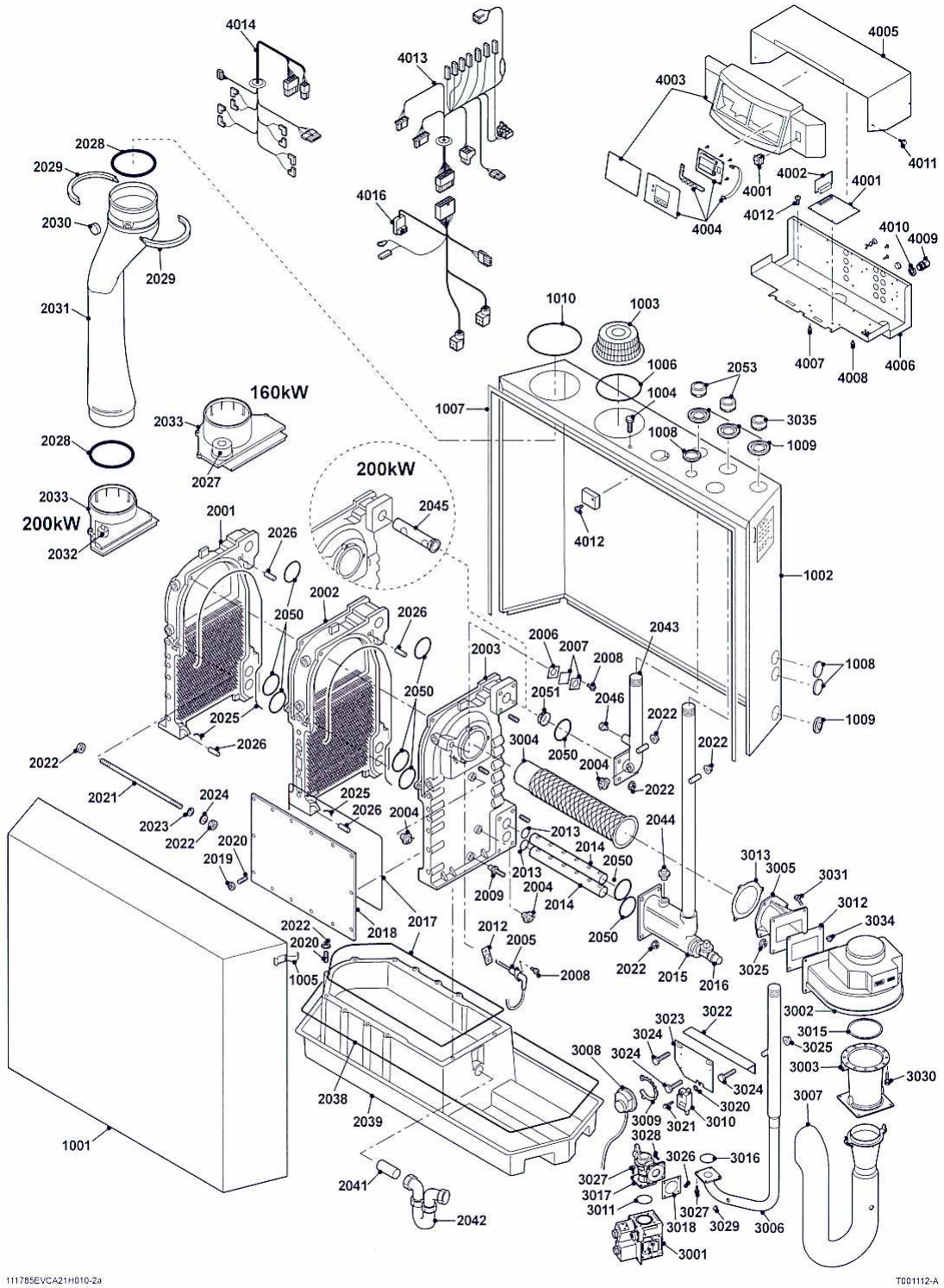


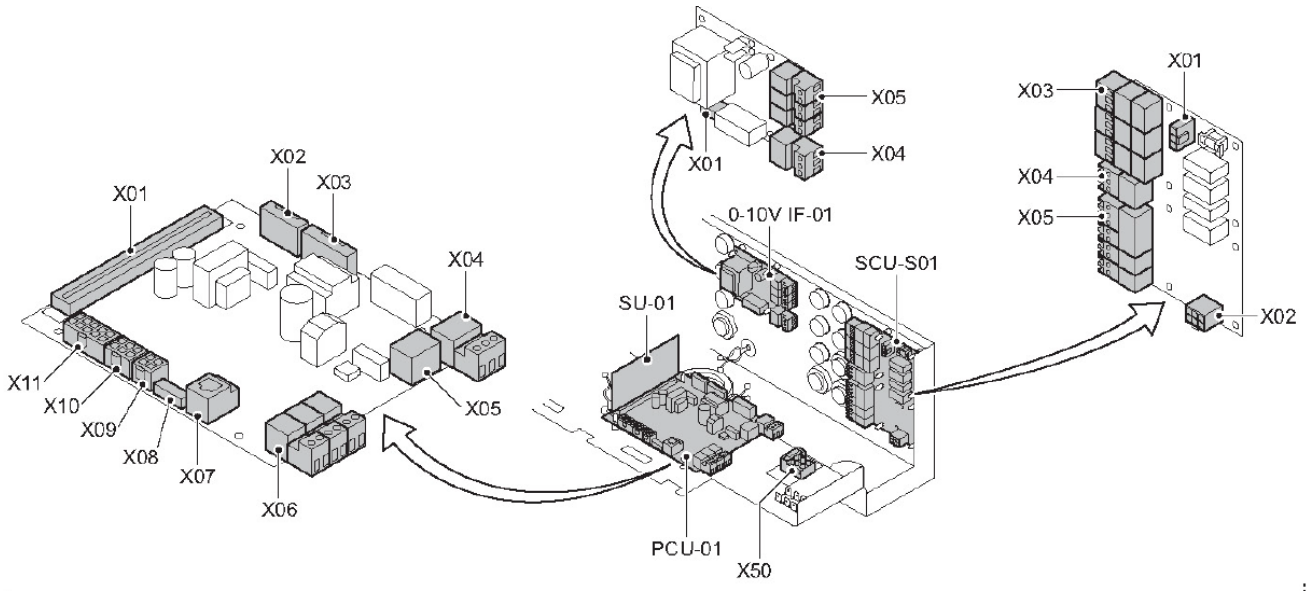
Fig. 37 Exploded views

Part #	Description	Item #
	Boiler casing	
S100607	Front panel	1001
S100610	Rear panel	1002
S100599	Air supply basket	1003
S100534	Screw M6x50 (5 pc's)	1004
S100553	Sealing ring Ø 150	1006
S100291	Gasket strip Neoprene 20x6 mm (10 m)	1007
S100539	Grommet Ø 60 mm (5 pc's)	1008
S100614	Grommet set (red, blue, yellow)	1009
S100603	Sealing slip ring Ø 160 (Blue)	1010
	Boiler heat exchanger	
S52481	Section left hand end	2001
S52482	Section intermediate	2002
S52480	Section right hand end	2003
S57040	Service set plug ¾"(5 pc's)	2003
S44698	Temperature sensor Elmwood NTC 12K/007	2004
S100604	Electrode ignition/ionization	2005
S35458	Gasket for sight glass (5 pc's)	2006
S100554	Inspection glass including mounting frame	2007
S100535	Screw M4x8 (10 pc's)	2008
S100592	Hose pillar Ø 6mm - 3/8"	2009
S53489	Gasket for electrode ignition/ionization (10 pc's)	2012
S100550	O-ring 37.69x3.53 (10 pcs)	2013
S100557	Return water distribution pipe length 270 - 80 kW	2014
S100558	Return water distribution pipe length 370 - 120 kW	2014
S100559	Return water distribution pipe length 470 - 160 kW	2014
S100560	Return water distribution pipe length 570 - 200 kW	2014
S100582	Return connection	2015
S55703	Filling and draining cock	2016
30629	Round cable silicon rubber red (per meter)	2017
S100545	Front plate heat exchanger - 80 kW	2018
S100547	Front plate heat exchanger - 160 kW	2018
S100548	Front plate heat exchanger - 200 kW	2018
S100546	Front plate heat exchanger - 120 kW	2018
S100556	Nut hexagonal M8 (25 pc's)	2019
S100549	Pin M8 (25 pc's)	2020
S100561	Tie rod set m08 - 3 sections	2021
S100562	Tie rod set m08 - 4 sections	2021
S100563	Tie rod set m08 - 5 sections	2021
S100564	Tie rod set m08 - 6 sections	2021
S44483	Nut hexagonal M8 (10 pc's)	2022
S100088	Washer Ø 8,4mm (25 pc's)	2023
S100538	Spring dish Ø 20x8.2x1.0 (20 pc's)	2024
35208	Tapakit cement	2025
S100543	Fitting pen Ø 8 x 20 (10 pc's)	2026
S62122	Sealing cap 60 mm	2027
57307	Sealing slip ring Ø 160(Black)	2028
S100600	Clamp piece for flue gas outlet pipe	2029
S62288	Grommet for flue gas discharge pipe	2030
S100593	Flue gas discharge pipe	2031
S100591	Sealing cap	2032

Part #	Description	Item #
S100588	Top cover for condensate receiver tank 120 kW	2033
S100589	Top cover for condensate receiver tank 160 kW	2033
S100590	Top cover for condensate receiver tank 200 kW	2033
S100587	Top cover for condensate receiver tank 80 kW	2033
S100291	Gasket strip Neoprene 20x6 mm (10 m)	2038
S100542	Bottom frame (polyester)	2039
S100536	Pipe PVC	2041
S100552	Siphon model "P" Ø 32	2042
S100586	Forward connection	2043
S100532	Plug 3/8"	2044
S100567	Boiler flow distribution pipe	2045
S100533	Plug 1/2"	2046
S100544	O-ring 50.17x5.33 (10 pc's)	2050
S100566	Adapter ring	2051
S100565	Adapter ring 241 1.1/2x5/4	2052
	Premix burner	
S100575	Gas multiblock VRB20VA1001 (160/200 kW) order 120V **S101219**	3001
S100617	Venturi - gas multiblock assembly (N/A)	3001
S100573	Venturi - gas multiblock assembly (80/120 kW) order 120V **S101218**	3001
S100611	Fan EBM G1G170 5-6 sections order 120V **S101217A** 80KW-120KW	3002
S100576	Fan RG148 3-4 sections order 120V **S100444A** 160KW-200KW	3002
S100574	Venturi assembly	3003
S53553	Burner 3 sections - 80 kW	3004
S53554	Burner 4 sections - 120 kW	3004
S53555	Burner 5 sections - 160 kW	3004
S57988	Burner 6 sections - 200 kW	3004
S100581	Mixing chamber/pipe 160-200 kW	3005
S100580	Mixing chamber/pipe 80-120 kW	3005
S100616	Pipe gas supply 160-200 kW	3006
S100579	Pipe gas supply 80-120 kW	3006
S100598	Air intake damper 160-200 kW	3007
S100597	Air intake damper 80-120 kW	3007
S100613	Air pressure switch Huba 605.99772	3008
S100618	Retaining ring	3009
S100572	Ignition transformer	3010
S56151	Sealing plate for fan	3011
S100632	Sealing plate (5 pc's)	3012
S100551	Gasket for burner (1 pc)	3013
S100058	O-ring 70x3 mm (5 pc's)	3014
S100305	O-ring 110x3.5 mm (5 pc's)	3015
S100056	Gasket ring Ø 27x20x2,5 mm (5 pc's)	3016
S100585	Gas pipe elbow	3017
S100624	Sealing plate for venturi (5 pc's)	3018
S100619	O-ring Ø 52.39x3.53 (5 pc's)	3019
S21473	Toothed spring ring	3020
S14254	Self tapping screw 4,2x9,5 (20 pc's)	3021
S100602	Angle	3022
S100601	Mounting plate for trafo	3023
S100541	Bolt M8 x 60 (5 pc's)	3024
S44483	Nut hexagonal M8 (10 pc's)	3025
S46687	Nut flange M5 (10 pc's)	3026
S100537	Bolt M5 x 12 (10 pc's)	3027

Part #	Description	Item #
S100570	Bolt M5 x 20 (10 pc's)	3028
1035	Pressure test nipple 1/8"	3029
S15524	Bolt M8 x 16 (10 pc's)	3030
S100531	Bolt M8 x 30 (10 pc's)	3031
S100055	Nut M5 (20 pc's)	3032
S100054	Screw DIN912 M5x16 (20 pc's)	3033
S59818	Nut M8 (20 pc's)	3034
	Control	
S100578	Print PCU-01+ SU-01 **S101214 CND/USA**	4001
S100577	Print SU-01	4002
S100595	Front cover instrument panel + HMI panel	4003
S100594	Front cover instrument panel	4003
S100569	Display complete	4004
S100568	Display complete	4004
S100496	Top cover instrument panel	4005
S100596	Mounting plate for instrument panel	4006
S100584	Spacer	4007
S100583	Spacer cap	4008
S56698	Cable gland M20 (10 pc's)	4009
S56696	Nut for cable gland M20 (10 pc's)	4010
S100612	Sheet-metal screw 4.2X8 (20 pc's)	4011
S14254	Sheet-metal screw 4.2X 9.5 (20 pc's)	4012
S100625	Cable set 230 V	4013
S100605	Cable set 24V **S101211 CDN/USA**	4014
S100626	Cable set 230V - 3,4	4015
S100627	Cable set 230V - 5,6	4016
S59277	On/off switch (5 pc's)	4017
S100650	**PSU** Parameter Storage Unit (replace when replacing PCU and SU-01)	

Control Boards (Standard PCU-01 and SU-01 and optional SCU-S01 and IF-01)



Optional SCU-S01 part number S101053
Optional IF-01(0-10 Volt) part number S101052
Optional Bacnet Gateway 704501