

VON ROLL TRANSFORMERS LTD

17 Haneviim St., P.O. Box 1176, Ramat Hasharon 47279
Israel

Tel.: +972(3)5484848, Fax: +972(3)5484900

Company Number: 520033549

URL: www.vonroll.com

Date: TRANSFORMER 41.7MVA 115/44KV
06/04/09 136981

List of Parts

Part Number	Part Description	Drawing	Unit	Quantity	Box No
Group: 10, Group Description: H.V. BUSHINGS ASSY					
0471010302	Bushing 115KV POC550G0800S		pcs	4.00	3
E6446062	GASKET 6xd282/d240		pcs	4.00	1
Group: 12, Group Description: GENERAL ASSEMBLY					
0612311058	HEX NUT M20	DIN934 S.ST	pcs	8.00	1
0622210411	SCREW M12X25	DIN 933	pcs	12.00	1
0692020018	WASHER A13 M12	DIN125 S.ST	pcs	12.00	1
0692020023	WASHER A21 M20	DIN125 S.ST	pcs	8.00	1
E47562102	DAVIT" "MOUNT	13475-6210	pcs	2.00	2
E54262152	SUPPORT	13542-6215	pcs	2.00	7
E61364312	SUPPORT	13613-6431	pcs	4.00	2
Group: 15, Group Description: L.V. BUSHINGS ASSY					
0471010425	BUSHING B89411-70 46KV 1200A		pcs	4.00	4
E6986072	GASKET 6xd174/d146		pcs	4.00	1
Group: 25, Group Description: OIL LEVEL GAUGE ASSY					
0513591158	Level Gauge LLG032-00032473	13689-9012	pcs	1.00	1
0513591172	Level Gauge LLG042-000XXXXX	13698-9013	pcs	1.00	1
Group: 26, Group Description: TAPCHANG RELEASE VAL					
0611490230	LOCKNUT 4"	T&B 150 or C&H 20X	pcs	4.00	1
0612310930	HEX NUT M12	DIN934 S.ST	pcs	4.00	1
0692020018	WASHER A13 M12	DIN125 S.ST	pcs	4.00	1
0710041024	ADAPTOR R4.0i x 83	DIN 2986	pcs	2.00	1
E54263162	PIPE	13542-6316	pcs	1.00	2
E5426319	CLAMP	13542-6319	pcs	2.00	1
E69863142	PIPE	13698-6314	pcs	1.00	2

E69863212	PIPE	13698-6313	pcs	1.00	7
Group: 27, Group Description: PRESSURE RELEASE VAL					
0611490230	LOCKNUT 4"	T&B 150 or C&H 20X	pcs	4.00	1
0612310930	HEX NUT M12	DIN934 S.ST	pcs	4.00	1
0692020018	WASHER A13 M12	DIN125 S.ST	pcs	4.00	1
0710041024	ADAPTOR R4.0i x 83	DIN 2986	pcs	2.00	1
E54263162	PIPE	13542-6316	pcs	1.00	2
E5426319	CLAMP	13542-6319	pcs	2.00	1
E69163112	PIPE	13691-6311	pcs	1.00	1
E69863132	PIPE	13698-6313	pcs	1.00	7
Group: 30, Group Description: CONSERVATOR ASSEMBLY					
0612311058	HEX NUT M20	DIN934 S.ST	pcs	16.00	1
0612311068	HEX NUT M24	DIN934 S.ST	pcs	32.00	1
0622210518	SCREW M20X60	DIN 933	pcs	16.00	1
0622210562	SCREW M24X75	DIN 933	pcs	32.00	1
0691152020	SPRING WASHER B20 DIN 127B	DIN 127B	pcs	16.00	1
0691152024	SPRING WASHER B24 DIN 127B	DIN 127B	pcs	32.00	1
0692020023	WASHER A21 M20	DIN125 S.ST	pcs	16.00	1
0692020024	WASHER A25 M24	DIN125 S.ST	pcs	32.00	1
E69867752	SUPPORT	13698-6775	pcs	1.00	8
E69867802	SUPPORT	13698-6780	pcs	2.00	7
E69867902	SUPPORT	13698-6790	pcs	4.00	2
E6989500	CONSERVATOR	13698-9500	pcs	1.00	2
Group: 35, Group Description: PIPE BUSHING AIR DRA					
0612310925	HEX NUT M10	DIN934 S.ST	pcs	64.00	1
0612310930	HEX NUT M12	DIN934 S.ST	pcs	24.00	1
0622210364	SCREW M10X40	DIN 933	pcs	64.00	1
0622210416	SCREW M12X50	DIN 933	pcs	24.00	1
0691151010	SPRING WASHER A10 DIN 128A	S 417.202.010	pcs	64.00	1
0692020017	WASHER A10.5 M10	DIN125 S.ST	pcs	64.00	1
0692020018	WASHER A13 M12	DIN125 S.ST	pcs	24.00	1
0695521212	SPRING WASHER B12 d13d24X1.2	DIN137 S.ST	pcs	24.00	1

E6989651	PIPE	13698-9651	pcs	1.00	8
E6989652	PIPE	13698-9651	pcs	1.00	1
E6989653	PIPE	13698-9651	pcs	1.00	7
E6989654	PIPE	13698-9651	pcs	1.00	7
E6989655	PIPE	13698-9651	pcs	1.00	7
E6989656	PIPE	13698-9651	pcs	1.00	2
E6989657	PIPE	13698-9651	pcs	1.00	2
E6989658	PIPE	13698-9651	pcs	1.00	2
E6989659	PIPE	13698-9651	pcs	1.00	2
E6989660	PIPE	13698-9651	pcs	1.00	7
ST056471	GASKET 4xd37/d28		pcs	16.00	1
ST056473	GASKET 4xd54/d42		pcs	5.00	1
Group: 41, Group Description: AIR BREATHER 2 STAGE					
0522120024	DEHYDRATING BREATHER DB100RM	P/N:686-20-05-106-00	pcs	1.00	1
0612310921	HEX NUT M8	DIN934 S.ST	pcs	2.00	1
0612310930	HEX NUT M12	DIN934 S.ST	pcs	12.00	1
0622210312	SCREW M8X30	DIN 933	pcs	2.00	1
0622210416	SCREW M12X50	DIN 933	pcs	12.00	1
0692020016	WASHER A8.4 M8	DIN125 S.ST	pcs	2.00	1
0692020018	WASHER A13 M12	DIN125 S.ST	pcs	12.00	1
0695521212	SPRING WASHER B12 d13d24X1.2	DIN137 S.ST	pcs	12.00	1
0710081854	T&B-1277 "Pipe Strap for 3/4	C&H 511	pcs	2.00	1
E6989667	PIPE	13698-9695	pcs	1.00	7
E6989669	PIPE	13698-9695	pcs	1.00	8
ST056484	GASKET (-45C) 4xd50/d38 3/4"		pcs	3.00	1
Group: 42, Group Description: AIR BREATHER PIPE					
0522120023	DEHYDRATING BREATHER DB200RM-T	P/N:686-21-05-106-00	pcs	1.00	1
0612310921	HEX NUT M8	DIN934 S.ST	pcs	3.00	1
0612310930	HEX NUT M12	DIN934 S.ST	pcs	12.00	1
0622210312	SCREW M8X30	DIN 933	pcs	3.00	1
0622210416	SCREW M12X50	DIN 933	pcs	12.00	1
0692020016	WASHER A8.4 M8	DIN125 S.ST	pcs	3.00	1
0692020018	WASHER A13 M12	DIN125 S.ST	pcs	12.00	1

0695521212	SPRING WASHER B12 d13d24X1.2	DIN137 S.ST	pcs	12.00	1
0710081854	T&B-1277 "Pipe Strap for 3/4	C&H 511	pcs	3.00	1
0710093010	RECORD 3/4i	DIN 2993 FVZ	pcs	1.00	1
0710100041	ADAPTOR 3/4i		pcs	1.00	1
E6989666	PIPE	13698-9695	pcs	1.00	7
E6989667	PIPE	13698-9695	pcs	1.00	7
E6989668	PIPE	13698-9695	pcs	1.00	7
ST056484	GASKET (-45C) 4xd50/d38 3/4"		pcs	3.00	1
Group: 45, Group Description: INSTRUCTION BOOK					
E6986901	INSTRUCTION BOOK	No.612	pcs	1.00	1
Group: 49, Group Description: CONS. CONNECT PIPE					
0540012249	Expans.joint 3i-UFS16-11 ASA150	EVNITEC	pcs	1.00	1
0612310947	HEX NUT M16	DIN934 S.ST	pcs	12.00	1
0622210469	SCREW M16X65	DIN 933	pcs	12.00	1
0691151016	SPRING WASHER A16 DIN 128A	S 417.202.012	pcs	12.00	1
0692020020	WASHER A17 M16	DIN125 S.ST	pcs	12.00	1
E5138238	GASKET	13513-8238	pcs	3.00	1
E6136164	GASKET	13613-6164	pcs	1.00	1
E6989671	PIPE	13698-9697	pcs	1.00	2
E6989672	PIPE	13698-9697	pcs	1.00	7
Group: 52, Group Description: GAS DETECTION RELAY					
0115311008	PIPE D8*d5		m	6.00	8
0489000080	Cable Clamp PANDUIT d7.9	CCS31-S8-M0	pcs	10.00	1
0513583235	GAS DETECTOR RELAY MODEL 12 ABB	PART# 1ZUA566002-JAA	pcs	1.00	1
0611490213	Locknut 3/4" RTA 86604	TB 142 (2-34)	pcs	3.00	1
0612310930	HEX NUT M12	DIN934 S.ST	pcs	3.00	1
0622210259	SCREW M6X16	DIN 933	pcs	4.00	1
0622210412	SCREW M12X30	DIN 933	pcs	4.00	1
0622210417	SCREW M12X55	DIN 933	pcs	3.00	1
0691151012	SPRING WASHER A12 DIN 128A	S 417.202.011	pcs	3.00	1
0692020014	WASHER A6.4 M6	DIN125 S.ST	pcs	4.00	1
0692020018	WASHER A13 M12	DIN125 S.ST	pcs	7.00	1

0710023010	ADAPTOR R3/4iX30	DIN 2982-1	pcs	1.00	1
0710072090	ADAPTOR 1/4" NPT	Technobar 01202061N	pcs	1.00	1
0710093010	RECORD 3/4i	DIN 2993 FVZ	pcs	1.00	1
0710100041	ADAPTOR 3/4i		pcs	2.00	1
0750340422	ADAPTOR D8mm 1/4NPT	768L "SCOPE"	pcs	3.00	1
0750340423	ADAPTOR 1/4NPT T	"SCOPE"	pcs	1.00	1
0750340424	ADAPTOR D6mm 1/4NPT	DLAM "SCOPE"	pcs	1.00	1
0750340425	ADAPTOR D8mm 1/4 NPT	"SCOPE"	pcs	1.00	1
0770083004	PLUG 1/4i ST	DIN 2991-S1/4	pcs	1.00	1
0780101063	VALVE 1/4i		pcs	1.00	1
0780101116	VALVE 3/4i S.N.-200		pcs	1.00	1
E54263452	COVER	13542-6345	pcs	1.00	2
E66163332	PIPE	13661-6333A	pcs	1.00	1
E68963352	SUPPORT FOR GAS DETECTOR	13689-6335	pcs	1.00	7
Group: 63, Group Description: COOLING SYSTEM					
0622210464	SCREW M16X40	DIN 933	pcs	160.00	1
0691151016	SPRING WASHER A16 DIN 128A	S 417.202.012	pcs	160.00	1
0692020020	WASHER A17 M16	DIN125 S.ST	pcs	160.00	1
E68967452	SUPPORT	13689-6745/A	pcs	20.00	2
E6986732	PIPE	13698-6732/A	pcs	1.00	8
E6986733	PIPE	13698-6732/A	pcs	1.00	8
Group: 70, Group Description: CONS-TAP CH. CONNECT					
0612310930	HEX NUT M12	DIN934 S.ST	pcs	20.00	1
0622210416	SCREW M12X50	DIN 933	pcs	20.00	1
0692020018	WASHER A13 M12	DIN125 S.ST	pcs	20.00	1
0695521212	SPRING WASHER B12 d13d24X1.2	DIN137 S.ST	pcs	20.00	1
E6899672	PIPE	13689-9670	pcs	1.00	2
E6899676	PIPE	13689-9670	pcs	1.00	2
E6989663	PIPE	13698-9693	pcs	1.00	7
E6989664	PIPE	13698-9693	pcs	1.00	8
ST056473	GASKET 4xd54/d42		pcs	5.00	1
Group: 80, Group Description: RADIATORS ASSEMBLY					

0590022564	GR.RADIATOR FG1900-2300*24(3+21)	a1=a2=90	pcs	9.00	6
0622210360	SCREW M10X20	DIN 933	pcs	18.00	1
0692020017	WASHER A10.5 M10	DIN125 S.ST	pcs	18.00	1
E68967042	SUPPORTING STRIP	13689-6704	pcs	2.00	8
E68967062	SUPPORTING STRIP	13689-6706	pcs	2.00	8
Group: 90, Group Description: COOLING FANS ASSEMBL					
0252051034	ACC-A8984-1 FLUSH MOUNT KIT	27 INCH ROD	pcs	12.00	5
0252051093	FAN F24 A8671 1/8HP Term.board	208V 60HZ 3PH	pcs	12.00	5
0489001101	CABLE TRAY 100	RS 85.100F	m	15.00	7
0489001112	COVER 100	RDV 100F	m	15.00	7
0489001126	MOUNTING RAIL	2970/2FO	pcs	2.00	7
0489001128	CLAMP	B16/2	pcs	20.00	7
0489001129	CLAMP	B16	pcs	20.00	7
0489001143	END COVER 100	RKB 100F	pcs	5.00	7
0489001149	Edge protection strip	RKBA 10	m	4.00	7
0612310920	HEX NUT M6	DIN934 S.ST	pcs	30.00	1
0612310921	HEX NUT M8	DIN934 S.ST	pcs	12.00	1
0622210260	SCREW M6X20	DIN 933	pcs	30.00	1
0622210314	SCREW M8X40	DIN 933	pcs	12.00	1
0692020014	WASHER A6.4 M6	DIN125 S.ST	pcs	60.00	1
0692020016	WASHER A8.4 M8	DIN125 S.ST	pcs	24.00	1
E69868852	SUPPORT	13698-6885	pcs	6.00	1
Group: 93, Group Description: L.V. SURGE ARRESTORS					
0622210465	SCREW M16X45	DIN 933	pcs	16.00	1
0691151016	SPRING WASHER A16 DIN 128A	S 417.202.012	pcs	16.00	1
0692020020	WASHER A17 M16	DIN125 S.ST	pcs	16.00	1
E69862402	SURGE ARRESTER BASE	13698-6240	pcs	1.00	7
Group: 99, Group Description: RESERVE PARTS FOR IN					
0551092137	5.33Xd100.96 O-RING 2-345	N0602-70 PARKER	pcs	26.00	1
0551092336	d72.39*5.33 2-336 O-RING	N0602-70 PARKER	pcs	2.00	1
0551092366	5.33Xd183.52 2-366 O RING	N0602-70 PARKER	pcs	1.00	1
0551092447	6.99Xd227.97 2-447 O RING	N0602-70 PARKER	pcs	1.00	1

E4226319	GASKET		pcs	4.00	1
E4229222	GASKET 4Xd115/d34	13422-9222	pcs	1.00	1
E4356514	GASKET d6Xd18X1		pcs	8.00	1
E5138238	GASKET	13513-8238	pcs	4.00	1
E5138239	GASKET 6xd127		pcs	2.00	1
E5139202	GASKET 4Xd47	5009310/D	pcs	1.00	1
E5427262	GASKET 4Xd227	13542-7262	pcs	2.00	1
E5427267	GASKET	13542-7267	pcs	6.00	1
E6136164	GASKET	13613-6164	pcs	1.00	1
E6446062	GASKET 6xd282/d240		pcs	4.00	1
E6898217	GASKET 6xd534/d513		pcs	4.00	1
E6899241	GASKET d12x3225		pcs	1.00	1
E6899242	GASKET d12x3515		pcs	1.00	1
E6918236	GASKET 6X402X423		pcs	4.00	1
E6986072	GASKET 6xd174/d146		pcs	4.00	1
ST056471	GASKET 4xd37/d28		pcs	16.00	1
ST056473	GASKET 4xd54/d42		pcs	12.00	1
ST056484	GASKET (-45C) 4xd50/d38 3/4"		pcs	6.00	1
ST056486	GASKET 6xd293/d272 (-45C□)		pcs	5.00	1
ST056489	GASKET 6xd543/d522 (-45C)		pcs	1.00	1
ST056499	GASKET 4xd143/d128 4"		pcs	2.00	1
ST058824	GASKET	ST05-8823	pcs	1.00	1
ST058826	GASKET	ST05-8825	pcs	1.00	1
Group: 999, Group Description: SERVIC KIT					
0147110169	Nitrile Cord d8	-51 C...104.5 C	m	3.00	1
0147110170	d10 NITRILE CORD	-51 C...104.5 C	m	3.00	1
0155111601	ANTI LOCK LIQUID	ANTI SEIZE COMP	pcs	1.00	1
0157010503	GLUE PERMABOND 311	Cyanoacrylate	pcs	1.00	1
0489000060	d24 1/2i CLAMP		pcs	30.00	1
0622210260	SCREW M6X20	DIN 933	pcs	30.00	1
0691010107	WASHER M6	DIN126 ST ZNP	pcs	30.00	1
P9999	PAINTING KIT	G40	kit	1.00	2
Q3-110110	GLOVES		Cp	2.00	1
Q3-111110	CONTACT GLUE		n'	1.00	1
Q3-113105	GRAY SPRAY		n'	2.00	1

Q3-115135	BRUSH		п'	5.00	1
Q3-125165	TEFLON		п'	4.00	1
ST056179	GASKET for air breather 4 stages		п'	5.00	1
