

# Bill of Material CoolingWaterPump\_enhanced\_2009

Pos.	Number	Ident-No.	Description	Supplier	Device Names
<b>=A1</b>					
<b>+BAZ1</b>					
1	2	4WEH 16 E7X/6EG24NE	Directional spool valve; balanced directional valve	Rexroth	-S1, -S2
2	6	0432 13 21	Ball valve-G1/2	LEGRIS	-S3, -S4, -S5, -S6, -S7, -S8
3	1	004335			-V1
4	1	004339			-V1
5	1	151181	Throttle GRLO-M5-B	FESTO	-R1
6	1	999991			-V1
7	1	999992	F20-candle filter	Wolftechnik	-V1
8	1	999996			-V1
9	12	0000012S	1/2" Hose		-WS11, -WS12, -WS13, -WS14, -WS15, -WS16, -WS17, -WS18, -WS19, -WS20, -WS21, -WS22
10	10	0000100S	1" Hose		-WS1, -WS2, -WS3, -WS4, -WS5, -WS6, -WS7, -WS8, -WS23, -WS24
11	3	A 08BM - 08BM - 08BM	T-connector G 1/2" with external screw thread	Nold	-X1, -X2, -X3
12	1	FL PTK250-2-C2	Cooling unit Type PTK	Rexroth	-E2
13	2	OFX-100-4G1.5	ÖLFLEX Classic 100, 300/500V	Lapp	-W1, -W2
14	1	PC 5.1	Cooling unit	Riedel	-E1
<b>+S1.G</b>					
15	44	2-1105100-1	HTS Serie HE/HA Crimp contact; pin; 2.5 mm²	AMP	-X1P(11), -X2P(11), -X3P(11), -X4P(11)
16	44	2-1105101-1	HTS Serie HE/HA Crimp contact; socket; 2.5 mm²	AMP	-X1S(11), -X2S(11), -X3S(11), -X4S(11)
17	1	3LD1504-0TB53	Emergency stop switch, 63 A, 22 kW, 3NO, compact des	Siemens AG	-Q1
18	4	184-10068	T1E25X40 wiring duct T1E	HellermannT	-CD1, -CD2, -CD4, -CD6
19	1	201.100.75	Surface mounted light, Red, Cage Clamp til 2.5 mm², bot	WERMA Sig	-P1
20	1	AE1180500-F	Compact panel, single door with mounting plate, RAL 70	Rittal	-A100
21	1	AE1180500-O	Compact panel, single door with mounting plate, RAL 70	Rittal	-A101
22	2	AE1180500-SW	Compact panel, single door with mounting plate, RAL 70	Rittal	-A102, -A105
23	1	AE1180500-U	Compact panel, single door with mounting plate, RAL 70	Rittal	-A103
24	4	HE-10-Bu-C	HTS Series HE	AMP	-X1S, -X2S, -X3S, -X4S
25	4	HE-10-Sti-C	HTS Series HE	AMP	-X1P, -X2P, -X3P, -X4P
<b>+S1.MP</b>					
26	1	3RH1122-1BB40	Contact relay, 2NO+2NC, DC 24 V, screw connection,	Siemens AG	-K1
27	1	3RH1911-1FA11	Auxiliary switch block, 11, 1NO+1NC, DIN EN50005, SC	Siemens AG	-K1
28	4	3RT1025-1BB40	Contact relay, AC-3 7.5 KW/400 V, DC 24 V, 3-pole, size S0	Siemens AG	-Q1, -Q2, -Q4, -Q6
29	3	3RT1025-1BB44	Contact relay, AC-3 7.5 KW/400 V, DC 24 V, 3-pole, 2 NO +	Siemens AG	-Q3, -Q5, -Q7
30	1	3RT1916-1DG00	SUPPRESSION DIODE, DC 12...250 V, SURGE SUPPR	Siemens AG	-K1
31	1	3RV1021-0KA10	Circuit-breaker; size S0;A 0.9-1.25A;N 15A; class 10; scr	Siemens AG	-F2
32	1	3RV1021-4AA10	Circuit-breaker; size S0;A 11-16A;N 192A; class 10; scre	Siemens AG	-F1
33	3	3RV1021-4AA15	Circuit-breaker; size S0;A 11-16A;N 192A; class 10; scre	Siemens AG	-F3, -F4, -F5
34	1	5SX2104-5	Automatic cutout, description A	Siemens AG	-F9
35	1	6ES7 314-AE04-0AB0	CPU 314, central processing unit	Siemens AG	-A2.1
36	1	6ES7 390-1AB60-0AA0	Profiled rail S7-300	Siemens AG	-U1
37	1	6ES7323-1BL00-0AA0	SM 323, 16 inputs / 16 outputs, digital input/output modu	Siemens AG	-A2.2
38	1	6ES7331-7KF01-0AB0	SM 331, 8 inputs, analog input module	Siemens AG	-A2.3
39	11	184-10068	T1E25X40 wiring duct T1E	HellermannT	-CD1, -CD2, -CD5, -CD6, -CD7, -CD9, -CD10, -CD11, -CD12, -CD13, -CD14
40	5	210-114	Steel mounting rail; 35x15 mm, 1.5 mm thick; not punche	WAGO Gmb	-MO1, -MO3, -MO6, -MO8, -MO9
41	2	249-117	Screwless end stop; 10 mm / 0.394 in wide; carrier rail D	WAGO Gmb	-XT2(2)
42	1	280-331	Terminal End and intermediate plate; 2.5 mm / 0.098 in t	WAGO Gmb	-U2
43	14	280-402	Adjacent jumper; insulated; nominal current 24 A; grey	WAGO Gmb	-XT2-W1, -XT2-W10, -XT2-W13, -XT2-W14, -XT2-W15, -XT2-W16, -XT2-W2, -XT2-W3, -XT2-W4, -XT2-W5, -XT2-W6, -XT2-W7, -XT2-W8, -XT2-W9
44	1	280-601-D	2-conductor through terminal block; lateral marking; front	WAGO Gmb	-XT2
45	1	280-601-T	2-conductor through terminal block; lateral marking; front	WAGO Gmb	-XT2
46	21	280-601	2-conductor through terminal block; lateral marking; front	WAGO Gmb	-XT2(21)
47	1	280-602	2-conductor through terminal block; lateral marking; front	WAGO Gmb	-XT2
48	6	280-607	2-conductor earth terminal block; lateral marking; front-er	WAGO Gmb	-XT2(6)
49	3	284-607	2-conductor earth terminal block; lateral marking; CAGE	WAGO Gmb	-XT2(3)
50	1	004335			-V2
51	1	004339			-V2
52	1	999991			-V2
53	1	999992	F20-candle filter	Wolftechnik	-V2
54	1	999996			-V2
55	6	3031306	Terminal SPRING CAGE TERMINAL BLOCK ST FOR 2	Phoenix Con	-XT3(6)
56	3	3031319	Terminal SPRING CAGE TERMINAL BLOCK ST FOR 2	Phoenix Con	-XT3(3)
57	1	3031461	Terminal SPRING CAGE TERMINAL BLOCK ST FOR 4	Phoenix Con	-XT3
58	1	3037423	Terminal SPRING CAGE TERMINAL BLOCK ST FOR 2	Phoenix Con	-XT3
59	3	1746750000	Terminals Z series _ ZDU 10; Feed-through terminal; 10	Weidmüller	-XT1(3)
60	1	1746760000	Terminals Z series _ ZDU 10 BL; Feed-through terminal;	Weidmüller	-XT1
61	1	1746770000	Terminals Z series _ ZPE 10; PE terminal; 10.00 mm²; gr	Weidmüller	-XT1
62	2	9540000000	ZEW; accessories end plate TS35	Weidmüller	-XT1(2)
63	1	AE1180500-M	Compact panel, single door with mounting plate, RAL 70	Rittal	-A104
64	1	DDB 400/24-7.5	Unregulated D. C. supply	Block GmbH	-G1
65	2	KL2022	2-channel digital output module; short circuit protected; 2	BECKHOFF	-A5, -A6
66	1	VLT2800-F1B	EMI-filter 1B, 16A 480V	Danfoss	-Z1
67	1	VLT2800-MSpule	Motor coil 16A 480V	Danfoss	-Z2
68	1	VLT2875	Frequency converter 3x400 V, 7.5 kW incl. EMI-Filter 1A	Danfoss	-A1