

## THE SUBGROUP LATTICE OF $R(27)$

THOMAS CONNOR AND DIMITRI LEEMANS

Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
1	$R(27)$	10073444472	1	2 (19684), 6 (512487), 26 (6662331), 122 (45375876), 123 (59960979), 157 (88363548)		416	1	1
2	$3 \times 9 : 3 \times 3 : 3 : 3 : 3 : 3 : 3 : 13 : 2$	511758	19684	3, 4, 7 (27)	1	416	2	-1
3	$3 \times 9 : 3 \times 3 : 3 : 3 : 3 : 3 : 3 : 13$	255879	19684	5, 10 (27)	2	416	2	0
4	$3 \times 9 : 3 \times 3 : 3 : 3 : 3 : 3 : 3 : S_3$	39366	19684	5, 8 (39)	2	416	2	0
5	$3^{1+2} \times 3^2 : 3 : 3 : 3 : 3$	19683	19684	11 (13)	3, 4	270	2	0
6	$L_2(27) \times 2$	19656	512487	9, 71 (28), 227 (351), 262 (378), 354 (819)	1	415	6	-1
7	$3^6 : 13 : 2$	18954	531468	10, 27, 71 (27), 72 (27)	2	416	7	0
8	$3 \times 9 : 3 \times 3 : 3 : 3 : 3 : S_3$	13122	767676	11, 12, 13, 14, 15, 16 (12)	4	416	8	0
9	$L_2(27)$	9828	512487	93 (28), 266 (351), 351 (378), 377 (819)	6	415	6	0
10	$3^6 : 13$	9477	531468	42, 93 (27), 94 (27)	3, 7	416	7	0
11	$3^2 \times 9 : 3 : 3 : 3 : 3$	6561	255892	17 (4), 18 (6), 19 (6), 20 (6), 21 (3), 22 (3), 23 (3), 24 (6), 25 (3)	5, 8 (3)	270	4	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
12	$3 \times 9 : 3 : 3 \times 3 \cdot S_3$	4374	767676	22, 28, 29 (3), 30 (3), 31 (3), 32 (3)	8	416	8	0	
13	$3 \times 9 : 3 \times 3 : 3 \cdot S_3$	4374	767676	25, 28, 33 (3), 34 (3), 29 (3), 35 (3)	8	416	8	0	
14	$3 \times 9 : 3 \times 3 : 3 \cdot S_3$	4374	767676	21, 28, 36 (3), 37 (3), 38 (3), 29 (3)	8	416	8	0	
15	$3 \times 9 : 3 \times 3 : 3 \cdot S_3$	4374	767676	23, 28, 39 (3), 29 (3), 40 (3), 41 (3)	8	416	8	0	
16	$3^6 \cdot S_3$	4374	2303028	17, 29, 40, 35, 32, 41, 37, 34, 30, 38, 31, 33, 39, 36, 27 (3)	8 (4)	416	16	0	
17	$3 \times 9 : 3 \times 3 : 3 : 3$	2187	255892	42, 43 (3), 44 (3), 45 (3), 46 (3), 47 (3), 48 (3), 49 (3), 50 (3), 51 (3), 52 (3), 53 (3), 54 (3), 55 (2), 56	11 (4), 16 (9)	270	4	0	
18	$3^2 \times 9 : 3 : 3 : 3$	2187	1535352	48, 57, 58, 50, 59, 60, 52, 61, 62, 55, 63, 64, 65	11	270	11	0	
19	$3^{1+2} \times 3^2 \cdot 3 : 3$	2187	1535352	46, 66, 61, 53, 67, 63, 55, 68, 60, 43, 64, 59, 62	11	270	11	0	
20	$3^2 \times 9 : 3 : 3 : 3$	2187	1535352	55, 61, 67, 49, 62, 69, 54, 65, 68, 44, 57, 60, 64	11	270	11	0	
21	$3 \times 9 : 3 \times 3 : 3 : 3$	2187	767676	46, 58 (2), 69 (2), 56, 65 (2), 70, 53, 57 (2), 43	11, 14	270	8	0	
22	$3^{1+2} \times 3^2 \cdot 3 : 3$	2187	767676	56, 63 (2), 66 (2), 54, 58 (2), 70, 49, 59 (2), 44	11, 12	270	8	0	
23	$3 \times 9 : 3 \times 3 : 3 \cdot 3$	2187	767676	47, 65 (2), 70, 51, 59 (2), 67 (2), 56, 60 (2), 45	11, 15	270	8	0	
24	$3^2 \times 9 : 3 : 3 : 3$	2187	1535352	47, 58, 68, 55, 61, 66, 51, 64, 69, 45, 57, 63, 62	11	270	11	0	

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
25	$3^2 \times 9 : 3 \cdot 3 : 3$	2187	767676	48, 69 (2), 66 (2), 56, 70, 67 (2), 52, 68 (2), 50	11, 13	270	8	0
26	$L_2(8) : 3$	1512	6662331	73, 124 (9), 229 (28), 263 (36)	1	416	26	-1
27	$3^5 : S_3$	1458	531468	42, 74 (13), 75 (39)	7, 16 (13)	269	7	0
28	$3 \times 9 : 3 \times 3 \cdot S_3$	1458	767676	70, 76 (3), 77 (3), 78 (3), 79 (3)	12, 13, 14, 15	416	8	0
29	$3 \times 9 : 3 : 3 : S_3$	1458	2303028	56, 79, 77, 76, 78, 74 (3), 80 (9)	12, 13, 14, 15, 16	416	16	0
30	$3^5 \cdot S_3$	1458	2303028	54, 76, 81, 82, 83, 74 (3), 84 (9)	12, 16	416	16	0
31	$3^5 \cdot S_3$	1458	2303028	44, 77, 85, 86, 81, 74 (3)	12, 16	416	16	0
32	$3^5 \cdot S_3$	1458	2303028	49, 78, 86, 83, 87, 74 (3)	12, 16	416	16	0
33	$3^5 \cdot S_3$	1458	2303028	48, 79, 82, 88, 86, 74 (3)	13, 16	416	16	0
34	$3^5 \cdot S_3$	1458	2303028	52, 76, 86, 89, 90, 74 (3), 91 (9)	13, 16	416	16	0
35	$3^5 \cdot S_3$	1458	2303028	50, 78, 88, 81, 89, 74 (3)	13, 16	416	16	0
36	$3^5 \cdot S_3$	1458	2303028	46, 79, 89, 83, 85, 74 (3)	14, 16	416	16	0
37	$3 \times 9 : 3 : 3 : S_3$	1458	2303028	53, 76, 85, 88, 87, 74 (3), 92 (9)	14, 16	416	16	0
38	$3^5 \cdot S_3$	1458	2303028	43, 77, 83, 88, 90, 74 (3)	14, 16	416	16	0
39	$3^5 \cdot S_3$	1458	2303028	47, 79, 87, 90, 81, 74 (3)	15, 16	416	16	0
40	$3^5 \cdot S_3$	1458	2303028	45, 77, 89, 87, 82, 74 (3)	15, 16	416	16	0
41	$3^5 \cdot S_3$	1458	2303028	51, 78, 82, 85, 90, 74 (3)	15, 16	416	16	0
42	$3^6$	729	19684	95 (13), 96 (351)	10 (27), 17 (13), 27 (27)	42	2	0
43	$3 \times 9 : 3 \times 3 : 3$	729	767676	95, 97 (3), 98 (3), 99 (2), 100, 101 (3)	17, 19 (2), 21, 38 (3)	270	8	0
44	$3 \times 9 : 3 \times 3 : 3$	729	767676	95, 102 (3), 103 (3), 104 (3), 99 (2), 100	17, 20 (2), 22, 31 (3)	270	8	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
45	$3 \times 9 : 3 \times 3 : 3$	729	767676	95, 99 (2), 105 (3), 106 (3), 100, 107 (3)	17, 23, 24 (2), 40 (3)	270	8	0
46	$3 \times 9 : 3 \times 3 : 3$	729	767676	95, 104 (3), 105 (3), 97 (3), 108 (2), 109	17, 19 (2), 21, 36 (3)	270	8	0
47	$3 \times 9 : 3 \times 3 : 3$	729	767676	95, 102 (3), 108 (2), 101 (3), 107 (3), 109	17, 23, 24 (2), 39 (3)	270	8	0
48	$3 \times 9 : 3 \times 3 : 3$	729	767676	95, 98 (3), 108 (2), 106 (3), 109, 103 (3)	17, 18 (2), 25, 33 (3)	270	8	0
49	$3 \times 9 : 3 \times 3 : 3$	729	767676	95, 97 (3), 103 (3), 110, 111 (2), 107 (3)	17, 20 (2), 22, 32 (3)	270	8	0
50	$3 \times 9 : 3 \times 3 : 3$	729	767676	95, 111 (2), 105 (3), 102 (3), 98 (3), 110	17, 18 (2), 25, 35 (3)	270	8	0
51	$3 \times 9 : 3 \times 3 : 3$	729	767676	95, 104 (3), 101 (3), 106 (3), 111 (2), 110	17, 23, 24 (2), 41 (3)	270	8	0
52	$3 \times 9 : 3 \times 3 : 3$	729	767676	112 (18), 103 (3), 113, 105 (3), 114 (9), 101 (3), 95, 115 (2)	17, 18 (2), 25, 34 (3)	270	8	0
53	$3 \times 9 : 3 \times 3 : 3$	729	767676	116 (18), 117 (9), 95, 98 (3), 107 (3), 115 (2), 104 (3), 113	17, 19 (2), 21, 37 (3)	270	8	0
54	$3 \times 9 : 3 : 3 \times 3$	729	767676	118 (18), 102 (3), 97 (3), 106 (3), 119 (9), 95, 115 (2), 113	17, 20 (2), 22, 30 (3)	270	8	0
55	$3^{1+2} \times 3^2 : 3$	729	511784	120 (27), 95, 111 (3), 99 (3), 115 (3), 108 (3)	17, 18 (3), 19 (3), 20 (3), 24 (3)	270	5	0
56	$3^{1+2} \times 3^2 : 3$	729	255892	121 (27), 95, 100 (3), 109 (3), 113 (3), 110 (3)	17, 21 (3), 22 (3), 23 (3), 25 (3), 29 (9)	270	4	0
57	$3 \times 9 : 3 \times 3 \cdot 3$	729	1535352	99, 115, 108, 110	18, 20, 21, 24	270	11	0
58	$3^{1+2} \times 3^2 \cdot 3$	729	1535352	99, 109, 115, 110	18, 21, 22, 24	270	11	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
59	$3 \times 9 : 3 \times 3 \cdot 3$	729	1535352	99, 109, 111, 113	18, 19, 22, 23	270	11	0
60	$3^2 \times 9 : 3 \cdot 3$	729	1535352	99, 111, 108, 113	18, 19, 20, 23	270	11	0
61	$3^{1+2} \times 3^2 \cdot 3$	729	1535352	99, 111, 115, 108	18, 19, 20, 24	270	11	0
62	$3 \times 9 : 3 \times 3 \cdot 3$	729	1535352	99, 115, 111, 108	18, 19, 20, 24	270	11	0
63	$3^{1+2} \times 3^2 \cdot 3$	729	1535352	109, 111, 115, 99	18, 19, 22, 24	270	11	0
64	$3^2 \times 9 : 3 \cdot 3$	729	1535352	108, 115, 111, 99	18, 19, 20, 24	270	11	0
65	$3^{1+2} \times 3^2 \cdot 3$	729	1535352	108, 110, 113, 99	18, 20, 21, 23	270	11	0
66	$3 \times 9 : 3 \times 3 \cdot 3$	729	1535352	100, 111, 109, 115	19, 22, 24, 25	270	11	0
67	$3^{1+2} \times 3^2 \cdot 3$	729	1535352	100, 108, 113, 111	19, 20, 23, 25	270	11	0
68	$3^2 \times 9 : 3 \cdot 3$	729	1535352	100, 115, 111, 108	19, 20, 24, 25	270	11	0
69	$3^2 \times 9 : 3 \cdot 3$	729	1535352	100, 110, 108, 115	20, 21, 24, 25	270	11	0
70	$3^2 \times 9 : 3 \cdot 3$	729	767676	100, 110, 109, 113	21, 22, 23, 25, 28	270	8	0
71	$3^3 : 13 \times 2$	702	14349636	93, 230, 352 (27)	6, 7	415	71	0
72	$3^3 : 13 : 2$	702	14349636	94, 231, 352 (27)	7	416	72	0
73	$L_2(8)$	504	6662331	228 (9), 357 (28), 373 (36)	26	416	26	0
74	$3^4 : S_3$	486	6909084	95, 125 (4), 126 (3), 127 (3), 128 (3), 129 (3), 130 (3), 131 (3), 132 (3), 133 (3), 134 (3), 135 (3), 136 (3), 137 (3), 138 (3)	27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41	269	27	0
75	$3^4 : S_3$	486	20727252	96, 126, 137, 129, 138, 131, 132, 136, 134, 127, 128, 133, 135, 130, 139 (12)	27	269	75	0
76	$3^{1+2} \times 3 : S_3$	486	2303028	113, 140, 125 (3), 141 (9), 142 (9), 143 (9), 144 (9)	28, 29, 30, 34, 37	416	16	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
77	$3 \times 9 : 3 : S_3$	486	2303028	100, 140, 125 (3), 145 (9)	28, 29, 31, 38, 40	416	16	0
78	$3 \times 9 : 3 : S_3$	486	2303028	110, 140, 125 (3), 146 (9)	28, 29, 32, 35, 41	416	16	0
79	$3 \times 9 : 3 : S_3$	486	2303028	109, 140, 125 (3), 147 (9)	28, 29, 33, 36, 39	416	16	0
80	$3^4 \cdot S_3$	486	20727252	121, 147, 145, 144, 146, 137 (3)	29	416	80	0
81	$3 \times 9 : 3 : S_3$	486	2303028	102, 140, 125 (3), 148 (9)	30, 31, 35, 39	416	16	0
82	$3 \times 9 : 3 : S_3$	486	2303028	106, 140, 125 (3), 149 (9)	30, 33, 40, 41	416	16	0
83	$3 \times 9 : 3 : S_3$	486	2303028	97, 140, 125 (3), 150 (9)	30, 32, 36, 38	416	16	0
84	$3^4 \cdot S_3$	486	20727252	119, 141, 148, 149, 150, 126 (3)	30	416	84	0
85	$3 \times 9 : 3 : S_3$	486	2303028	104, 140, 125 (3), 151 (9)	31, 36, 37, 41	416	16	0
86	$3 \times 9 : 3 : S_3$	486	2303028	103, 140, 125 (3), 152 (9)	31, 32, 33, 34	416	16	0
87	$3 \times 9 : 3 : S_3$	486	2303028	107, 140, 125 (3), 153 (9)	32, 37, 39, 40	416	16	0
88	$3 \times 9 : 3 : S_3$	486	2303028	98, 140, 125 (3), 154 (9)	33, 35, 37, 38	416	16	0
89	$3 \times 9 : 3 : S_3$	486	2303028	105, 140, 125 (3), 155 (9)	34, 35, 36, 40	416	16	0
90	$3 \times 9 : 3 : S_3$	486	2303028	101, 140, 125 (3), 156 (9)	34, 38, 39, 41	416	16	0
91	$3^4 \cdot S_3$	486	20727252	114, 143, 152, 156, 155, 138 (3)	34	416	91	0
92	$3^4 \cdot S_3$	486	20727252	117, 142, 151, 154, 153, 136 (3)	37	416	92	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
93	$3^3 : 13$	351	14349636	269, 376 (27)	9, 10, 71	415	71	0
94	$3^3 : 13$	351	14349636	270, 376 (27)	10, 72	416	72	0
95	$3^5$	243	255892	160 (4), 161 (9), 162 (9), 163 (9), 164 (9), 165 (9), 166 (9), 167 (9), 168 (9), 169 (9), 170 (9), 171 (9), 172 (9), 173 (9)	42, 43 (3), 44 (3), 45 (3), 46 (3), 47 (3), 48 (3), 49 (3), 50 (3), 51 (3), 52 (3), 53 (3), 54 (3), 55 (2), 56, 74 (27)	42	4	0
96	$3^5$	243	6909084	174 (8), 175 (8), 176 (8), 177 (8), 178 (8), 179 (8), 180 (8), 181 (8), 182 (8), 183 (4), 184 (8), 185 (8), 186 (8), 165, 162, 172, 161, 169, 164, 168, 187 (8), 173, 170, 166, 171, 167, 163	42, 75 (3)	42	27	0
97	$3 \times 9 : 3 \times 3$	243	2303028	188 (3), 189 (6), 160, 190 (2), 191	43, 46, 49, 54, 83	270	16	0
98	$3 \times 9 : 3 \times 3$	243	2303028	192 (6), 193 (3), 160, 191, 190 (2)	43, 48, 50, 53, 88	270	16	0
99	$3 \times 9 : 3 \times 3$	243	1535352	160, 190 (3), 194 (9)	43, 44, 45, 55, 57, 58, 59, 60, 61, 62, 63, 64, 65	270	11	0
100	$3^2 \times 9 : 3$	243	767676	160, 195 (9), 191 (3)	43, 44, 45, 56, 66 (2), 67 (2), 68 (2), 69 (2), 70, 77 (3)	270	8	0
101	$3 \times 9 : 3 \times 3$	243	2303028	196 (6), 197 (3), 160, 190 (2), 191	43, 47, 51, 52, 90	270	16	0
102	$3 \times 9 : 3 \times 3$	243	2303028	198 (3), 199 (6), 190 (2), 160, 191	44, 47, 50, 54, 81	270	16	0
103	$3 \times 9 : 3 \times 3$	243	2303028	200 (3), 201 (6), 160, 190 (2), 191	44, 48, 49, 52, 86	270	16	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
104	$3^2 \times 9 : 3$	243	2303028	160, 190 (2), 202 (6), 203 (3), 191	44, 46, 51, 53, 85	270	16	0
105	$3 \times 9 : 3 \times 3$	243	2303028	204 (6), 160, 190 (2), 205 (3), 191	45, 46, 50, 52, 89	270	16	0
106	$3^2 \times 9 : 3$	243	2303028	160, 206 (6), 191, 207 (3), 190 (2)	45, 48, 51, 54, 82	270	16	0
107	$3 \times 9 : 3 \times 3$	243	2303028	208 (6), 209 (3), 160, 191, 190 (2)	45, 47, 49, 53, 87	270	16	0
108	$3^2 \times 9 : 3$	243	1535352	210 (9), 190 (3), 160	46, 47, 48, 55, 57, 60, 61, 62, 64, 65, 67, 68, 69	270	11	0
109	$3 \times 9 : 3 \times 3$	243	767676	211 (9), 191 (3), 160	46, 47, 48, 56, 58 (2), 59 (2), 63 (2), 66 (2), 70, 79 (3)	270	8	0
110	$3 \times 9 : 3 \times 3$	243	767676	212 (9), 160, 191 (3)	49, 50, 51, 56, 57 (2), 58 (2), 65 (2), 69 (2), 70, 78 (3)	270	8	0
111	$3 \times 9 : 3 \times 3$	243	1535352	213 (9), 160, 190 (3)	49, 50, 51, 55, 59, 60, 61, 62, 63, 64, 66, 67, 68	270	11	0
112	$3^{1+2} \times 3 : 3$	243	13818168	171, 214, 200, 196 (3), 201 (2), 215 (2), 205, 204 (2)	52	270	52	0
113	$3^{1+2} \times 3^2$	243	767676	216 (9), 214 (9), 217 (3), 191 (3), 218 (9), 219 (6), 160	52, 53, 54, 56, 59 (2), 60 (2), 65 (2), 67 (2), 70, 76 (3)	270	8	0
114	$3^{1+2} \times 3 : 3$	243	6909084	171, 214, 201 (2), 197 (3), 215 (2), 204 (2), 205, 200	52, 91 (3)	270	34	0
115	$3^{1+2} \times 3^2$	243	1535352	220 (9), 215 (9), 221 (3), 190 (3), 222 (9), 223 (3), 224 (3), 160	52, 53, 54, 55, 57, 58, 61, 62, 63, 64, 66, 68, 69	270	11	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
116	$3 \times 9 : 3 : 3$	243	13818168	163, 193, 208 (3), 222 (2), 192 (2), 202 (2), 203, 218	53	270	53	0
117	$3 \times 9 : 3 : 3$	243	6909084	163, 209 (3), 192 (2), 222 (2), 193, 203, 202 (2), 218	53, 92 (3)	270	37	0
118	$3 \times 9 : 3 : 3$	243	13818168	161, 198, 189 (2), 206 (3), 188, 199 (2), 220 (2), 216	54	270	54	0
119	$3 \times 9 : 3 : 3$	243	6909084	161, 220 (2), 207 (3), 199 (2), 216, 198, 189 (2), 188	54, 84 (3)	270	30	0
120	$3 \times 9 : 3 : 3$	243	13818168	165, 213 (3), 194 (3), 224, 221, 210 (3), 223	55	270	55	0
121	$3 \times 9 : 3 : 3$	243	6909084	165, 195 (3), 211 (3), 219 (2), 217, 212 (3)	56, 80 (3)	270	29	0
122	$37 : 3 : 2$	222	45375876	158, 225, 410 (37)	1	416	122	-1
123	$2 \times 14 : 3 : 2$	168	59960979	159, 227, 263 (4), 354 (7)	1	416	123	-1
124	$2^3 : 7 : 3$	168	59960979	228, 354 (7), 355 (8)	26	416	124	0
125	$3^3 : S_3$	162	6909084	160, 231, 232 (3), 233 (3), 234 (3), 235 (3), 236 (3), 237 (3), 238 (3), 239 (3), 240 (3), 241 (3), 242 (3), 243 (3), 244 (3)	74 (4), 76, 77, 78, 79, 81, 82, 83, 85, 86, 87, 88, 89, 90	269	27	0
126	$3^3 : S_3$	162	20727252	161, 232, 243, 235, 240, 245 (3), 246 (3), 247 (3), 248 (3)	74, 75, 84 (3)	269	75	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
127	$3^3 : S_3$	162	20727252	168, 233, 241, 236, 243, 246 (3), 249 (3), 250 (3), 251 (3)	74, 75	269	75	0
128	$3^3 : S_3$	162	20727252	166, 234, 244, 243, 237, 247 (3), 252 (3), 253 (3), 251 (3)	74, 75	269	75	0
129	$3^3 : S_3$	162	20727252	162, 235, 242, 233, 234, 247 (3), 254 (3), 250 (3), 255 (3)	74, 75	269	75	0
130	$3^3 : S_3$	162	20727252	172, 236, 232, 237, 242, 247 (3), 249 (3), 256 (3), 257 (3)	74, 75	269	75	0
131	$3^3 : S_3$	162	20727252	170, 237, 235, 239, 241, 248 (3), 252 (3), 250 (3), 257 (3)	74, 75	269	75	0
132	$3^3 : S_3$	162	20727252	164, 238, 237, 240, 233, 248 (3), 254 (3), 256 (3), 251 (3)	74, 75	269	75	0
133	$3^3 : S_3$	162	20727252	167, 239, 233, 244, 232, 248 (3), 249 (3), 253 (3), 255 (3)	74, 75	269	75	0
134	$3^3 : S_3$	162	20727252	169, 240, 239, 234, 236, 246 (3), 252 (3), 256 (3), 255 (3)	74, 75	269	75	0
135	$3^3 : S_3$	162	20727252	173, 241, 234, 232, 238, 246 (3), 254 (3), 253 (3), 257 (3)	74, 75	269	75	0
136	$3^3 : S_3$	162	20727252	163, 242, 240, 241, 244, 245 (3), 249 (3), 252 (3), 254 (3)	74, 75, 92 (3)	269	75	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
137	$3^3 : S_3$	162	20727252	165, 243, 238, 242, 239, 245 (3), 250 (3), 256 (3), 253 (3)	74, 75, 80 (3)	269	75	0
138	$3^3 : S_3$	162	20727252	171, 244, 236, 238, 235, 245 (3), 251 (3), 255 (3), 257 (3)	74, 75, 91 (3)	269	75	0
139	$3^3 \times S_3$	162	62181756	183, 245, 256, 254, 257, 250, 248, 252, 255, 246, 251, 249, 253, 247, 230 (3)	75 (4)	269	139	0
140	$3 \times 9 : S_3$	162	2303028	191, 231 (3), 258 (9), 259 (9), 260 (9), 261 (9)	76, 77, 78, 79, 81, 82, 83, 85, 86, 87, 88, 89, 90	416	16	0
141	$3^{1+2} : S_3$	162	20727252	216, 258, 235 (3), 229 (9)	76, 84	416	84	0
142	$3^{1+2} : S_3$	162	20727252	218, 259, 240 (3), 229 (9)	76, 92	416	92	0
143	$3^{1+2} : S_3$	162	20727252	214, 260, 244 (3), 229 (9)	76, 91	416	91	0
144	$3^{1+2} : S_3$	162	20727252	217, 261, 239 (3), 229 (9)	76, 80	416	80	0
145	$3^3 \cdot S_3$	162	20727252	195, 261, 243 (3)	77, 80	416	80	0
146	$3^3 \cdot S_3$	162	20727252	212, 261, 238 (3)	78, 80	416	80	0
147	$3^3 \cdot S_3$	162	20727252	211, 261, 242 (3)	79, 80	416	80	0
148	$3^3 \cdot S_3$	162	20727252	198, 258, 232 (3)	81, 84	416	84	0
149	$3^3 \cdot S_3$	162	20727252	207, 258, 240 (3)	82, 84	416	84	0
150	$3^3 \cdot S_3$	162	20727252	188, 258, 243 (3)	83, 84	416	84	0
151	$3^3 \cdot S_3$	162	20727252	203, 259, 241 (3)	85, 92	416	92	0
152	$3^3 \cdot S_3$	162	20727252	200, 260, 238 (3)	86, 91	416	91	0
153	$3^3 \cdot S_3$	162	20727252	209, 259, 244 (3)	87, 92	416	92	0
154	$3^3 \cdot S_3$	162	20727252	193, 259, 242 (3)	88, 92	416	92	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
155	$3^3 \cdot S_3$	162	20727252	205, 260, 236 (3)	89, 91	416	91	0
156	$3^3 \cdot S_3$	162	20727252	197, 260, 235 (3)	90, 91	416	91	0
157	$19 : 3 : 2$	114	88363548	226, 264, 410 (19)	1	416	157	-1
158	$37 : 3$	111	45375876	265, 413 (37)	122	416	122	0
159	$2 \times 14 : 3$	84	59960979	267, 355 (4), 377 (7)	123	416	123	0
160	$3^4$	81	255892	271 (3), 272 (3), 273 (3), 274 (3), 275 (3), 276 (3), 277 (3), 278 (3), 279 (3), 280 (3), 281 (3), 282 (3), 283 (3), 270	95 (4), 97 (9), 98 (9), 99 (6), 100 (3), 101 (9), 102 (9), 103 (9), 104 (9), 105 (9), 106 (9), 107 (9), 108 (6), 109 (3), 110 (3), 111 (6), 113 (3), 115 (6), 125 (27)	42	4	0
161	$3^4$	81	2303028	284 (3), 285 (6), 286 (3), 287 (6), 288 (3), 289 (6), 290 (3), 291 (6), 278, 281, 277, 271	95, 96 (3), 118 (6), 119 (3), 126 (9)	42	16	0
162	$3^4$	81	2303028	292 (3), 293 (3), 294 (6), 288 (3), 287 (6), 295 (6), 296 (6), 297 (3), 282, 274, 281, 272	95, 96 (3), 129 (9)	42	16	0
163	$3^4$	81	2303028	298 (6), 285 (6), 286 (3), 299 (6), 300 (3), 301 (3), 296 (6), 297 (3), 271, 280, 282, 273	95, 96 (3), 116 (6), 117 (3), 136 (9)	42	16	0
164	$3^4$	81	2303028	289 (6), 302 (6), 303 (3), 304 (3), 305 (6), 284 (3), 296 (6), 297 (3), 276, 271, 283, 274	95, 96 (3), 132 (9)	42	16	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
165	$3^4$	81	2303028	292 (3), 286 (3), 285 (6), 305 (6), 304 (3), 295 (6), 306 (3), 307 (6), 283, 282, 278, 275	95, 96 (3), 120 (6), 121 (3), 137 (9)	42	16	0	
166	$3^4$	81	2303028	298 (6), 302 (6), 303 (3), 287 (6), 288 (3), 301 (3), 306 (3), 307 (6), 273, 278, 272, 276	95, 96 (3), 128 (9)	42	16	0	
167	$3^4$	81	2303028	289 (6), 293 (3), 294 (6), 299 (6), 300 (3), 284 (3), 306 (3), 307 (6), 274, 273, 275, 277	95, 96 (3), 133 (9)	42	16	0	
168	$3^4$	81	2303028	292 (3), 303 (3), 302 (6), 299 (6), 300 (3), 295 (6), 291 (6), 290 (3), 280, 279, 274, 278	95, 96 (3), 127 (9)	42	16	0	
169	$3^4$	81	2303028	298 (6), 293 (3), 294 (6), 305 (6), 304 (3), 301 (3), 291 (6), 290 (3), 275, 272, 271, 279	95, 96 (3), 134 (9)	42	16	0	
170	$3^4$	81	2303028	284 (3), 295 (6), 292 (3), 298 (6), 301 (3), 289 (6), 308 (3), 309 (6), 281, 275, 276, 280	95, 96 (3), 131 (9)	42	16	0	
171	$3^4$	81	2303028	286 (3), 302 (6), 303 (3), 293 (3), 294 (6), 285 (6), 309 (6), 308 (3), 279, 283, 273, 281	95, 96 (3), 112 (6), 114 (3), 138 (9)	42	16	0	

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
172	$3^4$	81	2303028	287 (6), 299 (6), 300 (3), 304 (3), 305 (6), 288 (3), 309 (6), 308 (3), 277, 276, 279, 282	95, 96 (3), 130 (9)	42	16	0
173	$3^4$	81	2303028	290 (3), 297 (3), 296 (6), 307 (6), 306 (3), 291 (6), 308 (3), 309 (6), 272, 277, 280, 283	95, 96 (3), 135 (9)	42	16	0
174	$3^4$	81	13818168	310 (2), 311 (4), 312, 313 (2), 314 (2), 315 (2), 316, 317, 292, 294, 305, 289, 291, 296, 302, 309, 301, 318 (2), 319 (2), 320, 321, 322, 323, 324, 325, 326, 327, 288, 286, 307, 299	96 (4)	42	42	0
175	$3^4$	81	13818168	312, 313 (2), 307, 315, 328 (2), 287, 327, 300, 329 (4), 318 (2), 290, 311, 305, 330, 317 (2), 302, 331 (2), 295, 296, 332, 325 (2), 308, 298, 326, 294, 289, 316, 286, 333, 334, 310	96 (4)	42	42	0
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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
176	$3^4$	81	13818168	330 (2), 305, 324, 314, 297, 335 (2), 287, 327 (2), 328 (4), 285, 316, 320 (2), 294, 336 (2), 289, 318, 322, 291, 311 (2), 312, 306, 332, 292, 334, 302, 309, 326, 300, 298, 317, 310	96 (4)	42	42	0
177	$3^4$	81	13818168	284, 311 (2), 334 (2), 285, 335 (2), 295, 322 (2), 308, 329 (2), 326, 288, 337 (4), 298, 316, 305, 321 (2), 323, 299, 333, 291, 327, 307, 328, 317, 302, 313, 320, 294, 297, 315, 310	96 (4)	42	42	0
178	$3^4$	81	13818168	316, 295, 313, 333 (2), 306, 332 (4), 321, 291, 335 (2), 317 (2), 284, 311 (2), 294, 337, 330, 286, 325, 287, 319, 296, 324 (2), 331 (2), 305, 327, 303, 326, 309, 299, 298, 322, 314	96 (4)	42	42	0
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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
179	$3^4$	81	13818168	285, 289, 329 (2), 316, 334, 291, 322 (2), 332 (2), 310 (2), 300, 305, 325, 317, 336 (4), 298, 318, 333, 288, 309, 330, 319 (2), 323 (2), 295, 326, 307, 303, 314, 293, 337, 296, 311	96 (4)	42	42	0
180	$3^4$	81	13818168	331 (4), 291, 315 (2), 337 (2), 292, 336 (2), 307, 314 (2), 285, 326, 311, 289, 330, 294, 327 (2), 319, 304, 322, 287, 328, 333, 296, 334, 303, 316, 308, 312 (2), 299, 323, 313, 298	96 (4)	42	42	0
181	$3^4$	81	13818168	314 (2), 316, 322 (2), 295, 309, 324 (2), 320 (4), 315 (2), 297, 331, 329 (2), 290, 303, 335, 310, 313, 305, 333 (2), 307, 299, 332, 326, 287, 301, 294, 325, 289, 334, 336, 285, 312	96 (4)	42	42	0
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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
182	$3^4$	81	13818168	295, 323 (2), 299, 337 (2), 289, 327, 315, 335, 330 (2), 290, 316, 288, 318 (4), 304, 332 (2), 326, 321, 298, 285, 312 (2), 309, 325, 320 (2), 306, 302, 331, 294, 310, 333, 296, 322	96 (4)	42	42	0
183	$3^4$	81	6909084	310 (2), 288, 335 (2), 312 (2), 297, 327 (2), 304, 269, 313 (2), 292, 334 (2), 314 (2), 306, 333 (2), 323 (2), 290, 330 (2), 322 (2), 284, 325 (2), 293, 317 (2), 286, 303, 308, 300, 301	96 (4), 139 (9)	42	27	0
184	$3^4$	81	13818168	301, 324 (4), 285, 313 (2), 308, 335, 325, 316, 334 (2), 295, 337, 299, 327 (2), 289, 318 (2), 329, 291, 336 (2), 287, 310, 305, 321 (2), 306, 302, 330, 293, 331, 323, 326, 296, 314	96 (4)	42	42	0
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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
185	$3^4$	81	13818168	300, 304, 321 (4), 317 (2), 301, 330 (2), 323, 287, 309, 314, 319 (2), 336, 295, 320 (2), 313, 285, 284, 310 (2), 328, 291, 331 (2), 326, 307, 302, 329, 312, 294, 335, 333, 296, 316	96 (4)	42	42	0
186	$3^4$	81	13818168	284, 335, 328 (2), 298, 312 (2), 319 (4), 287, 305, 292, 333 (2), 326, 285, 327, 324 (2), 309, 317, 323, 290, 318, 337 (2), 299, 325 (2), 334, 307, 316, 302, 320, 293, 329, 296, 314	96 (4)	42	42	0
187	$3^4$	81	13818168	319, 334 (2), 315 (4), 322, 328 (2), 321 (2), 330, 326, 312, 325 (2), 332 (2), 323 (2), 324, 336, 313, 316, 317, 335, 287, 295, 297, 286, 304, 289, 307, 293, 291, 299, 298, 302, 309	96 (4)	42	42	0
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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
188	$3 \times 9 : 3$	81	6909084	278, 338 (2), 339	97, 118 (2), 119, 150 (3)	270	30	0
189	$3 \times 9 : 3$	81	13818168	278, 338 (2), 339	97, 118 (2), 119	270	54	0
190	$3^2 \times 9$	81	4606056	340 (3), 341 (3), 342 (3), 338 (3), 270	97, 98, 99, 101, 102, 103, 104, 105, 106, 107, 108, 111, 115	190	17	0
191	$3^2 \times 9$	81	2303028	343 (3), 344 (3), 345 (3), 339 (3), 270	97, 98, 100, 101, 102, 103, 104, 105, 106, 107, 109, 110, 113, 140	191	16	0
192	$3 \times 9 : 3$	81	13818168	282, 344, 341 (2)	98, 116 (2), 117	270	53	0
193	$3 \times 9 : 3$	81	6909084	282, 341 (2), 344	98, 116 (2), 117, 154 (3)	270	37	0
194	$3 \times 9 : 3$	81	13818168	278, 342 (3)	99, 120 (3)	270	55	0
195	$3 \times 9 : 3$	81	6909084	278, 345 (3)	100, 121 (3), 145 (3)	270	29	0
196	$3 \times 9 : 3$	81	13818168	281, 340 (2), 343	101, 112 (3)	270	52	0
197	$3 \times 9 : 3$	81	6909084	281, 340 (2), 343	101, 114 (3), 156 (3)	270	34	0
198	$3 \times 9 : 3$	81	6909084	277, 338 (2), 339	102, 118 (2), 119, 148 (3)	270	30	0
199	$3 \times 9 : 3$	81	13818168	277, 339, 338 (2)	102, 118 (2), 119	270	54	0
200	$3 \times 9 : 3$	81	6909084	283, 340 (2), 343	103, 112 (2), 114, 152 (3)	270	34	0
201	$3 \times 9 : 3$	81	13818168	283, 340 (2), 343	103, 112 (2), 114	270	52	0
202	$3 \times 9 : 3$	81	13818168	280, 341 (2), 344	104, 116 (2), 117	270	53	0
203	$3 \times 9 : 3$	81	6909084	280, 341 (2), 344	104, 116 (2), 117, 151 (3)	270	37	0
204	$3 \times 9 : 3$	81	13818168	279, 340 (2), 343	105, 112 (2), 114	270	52	0
205	$3 \times 9 : 3$	81	6909084	279, 340 (2), 343	105, 112 (2), 114, 155 (3)	270	34	0
206	$3 \times 9 : 3$	81	13818168	271, 339, 338 (2)	106, 118 (3)	270	54	0
207	$3 \times 9 : 3$	81	6909084	271, 338 (2), 339	106, 119 (3), 149 (3)	270	30	0
208	$3 \times 9 : 3$	81	13818168	273, 344, 341 (2)	107, 116 (3)	270	53	0
209	$3 \times 9 : 3$	81	6909084	273, 344, 341 (2)	107, 117 (3), 153 (3)	270	37	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
210	$3 \times 9 : 3$	81	13818168	282, 342 (3)	108, 120 (3)	270	55	0
211	$3 \times 9 : 3$	81	6909084	282, 345 (3)	109, 121 (3), 147 (3)	270	29	0
212	$3 \times 9 : 3$	81	6909084	283, 345 (3)	110, 121 (3), 146 (3)	270	29	0
213	$3 \times 9 : 3$	81	13818168	283, 342 (3)	111, 120 (3)	270	55	0
214	$3^{1+2} \times 3$	81	6909084	346 (6), 343 (3), 347 (3), 273	112 (2), 113, 114, 143 (3)	270	34	0
215	$3^{1+2} \times 3$	81	13818168	348 (3), 340 (3), 349 (3), 350 (3), 273	112 (2), 114, 115	270	52	0
216	$3^{1+2} \times 3$	81	6909084	346 (6), 339 (3), 347 (3), 281	113, 118 (2), 119, 141 (3)	270	30	0
217	$3^{1+2} \times 3$	81	2303028	347 (9), 345 (3), 275	113, 121 (3), 144 (9)	270	15	0
218	$3^{1+2} \times 3$	81	6909084	346 (6), 347 (3), 271, 344 (3)	113, 116 (2), 117, 142 (3)	270	37	0
219	$3^{1+2} \times 3$	81	4606056	346 (9), 275, 345 (3)	113, 121 (3)	270	23	0
220	$3^{1+2} \times 3$	81	13818168	349 (3), 348 (3), 338 (3), 350 (3), 281	115, 118 (2), 119	270	54	0
221	$3^{1+2} \times 3$	81	4606056	350 (9), 342 (3), 275	115, 120 (3)	270	24	0
222	$3^{1+2} \times 3$	81	13818168	349 (3), 350 (3), 348 (3), 271, 341 (3)	115, 116 (2), 117	270	53	0
223	$3^{1+2} \times 3$	81	4606056	349 (9), 275, 342 (3)	115, 120 (3)	270	24	0
224	$3^{1+2} \times 3$	81	4606056	348 (9), 275, 342 (3)	115, 120 (3)	270	24	0
225	$D_{74}$	74	45375876	265, 415 (37)	122	416	122	0
226	$19 : 3$	57	88363548	356, 413 (19)	157	416	157	0
227	$D_{28} \times 2$	56	59960979	268 (3), 266 (3), 267, 408 (7)	6 (3), 123	412	123	0
228	$2^3 : 7$	56	59960979	408, 409 (8)	73, 124	416	124	0
229	$3^{1+2} : 2$	54	186545268	347, 357, 358 (3)	26, 141, 142, 143, 144	416	229	0
230	$3^2 \times 6$	54	14349636	269, 359 (13)	71, 139 (13)	230	71	0
231	$3^2 : S_3$	54	531468	270, 360 (39)	72 (27), 125 (13), 140 (13)	269	7	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
232	$3^2 : S_3$	54	20727252	277, 360, 361 (3), 362 (3), 363 (3), 364 (3)	125, 126, 130, 133, 135, 148 (3)	269	75	0
233	$3^2 : S_3$	54	20727252	274, 360, 362 (3), 365 (3), 366 (3), 367 (3)	125, 127, 129, 132, 133	269	75	0
234	$3^2 : S_3$	54	20727252	272, 360, 363 (3), 368 (3), 369 (3), 367 (3)	125, 128, 129, 134, 135	269	75	0
235	$3^2 : S_3$	54	20727252	281, 360, 363 (3), 370 (3), 366 (3), 358 (3)	125, 126, 129, 131, 138, 141 (3), 156 (3)	269	75	0
236	$3^2 : S_3$	54	20727252	279, 360, 363 (3), 365 (3), 371 (3), 372 (3)	125, 127, 130, 134, 138, 155 (3)	269	75	0
237	$3^2 : S_3$	54	20727252	276, 360, 364 (3), 368 (3), 366 (3), 372 (3)	125, 128, 130, 131, 132	269	75	0
238	$3^2 : S_3$	54	20727252	283, 360, 364 (3), 370 (3), 371 (3), 367 (3)	125, 132, 135, 137, 138, 146 (3), 152 (3)	269	75	0
239	$3^2 : S_3$	54	20727252	275, 360, 364 (3), 365 (3), 369 (3), 358 (3)	125, 131, 133, 134, 137, 144 (3)	269	75	0
240	$3^2 : S_3$	54	20727252	271, 360, 362 (3), 368 (3), 371 (3), 358 (3)	125, 126, 132, 134, 136, 142 (3), 149 (3)	269	75	0
241	$3^2 : S_3$	54	20727252	280, 360, 362 (3), 370 (3), 369 (3), 372 (3)	125, 127, 131, 135, 136, 151 (3)	269	75	0
242	$3^2 : S_3$	54	20727252	282, 360, 361 (3), 365 (3), 368 (3), 370 (3)	125, 129, 130, 136, 137, 147 (3), 154 (3)	269	75	0
243	$3^2 : S_3$	54	20727252	278, 360, 361 (3), 366 (3), 371 (3), 369 (3)	125, 126, 127, 128, 137, 145 (3), 150 (3)	269	75	0
244	$3^2 : S_3$	54	20727252	273, 360, 361 (3), 367 (3), 358 (3), 372 (3)	125, 128, 133, 136, 138, 143 (3), 153 (3)	269	75	0
245	$3^2 \times S_3$	54	62181756	286, 361, 371, 370, 358, 359 (3)	126, 136, 137, 138, 139	269	139	0
246	$3^2 \times S_3$	54	62181756	290, 362, 369, 363, 371, 359 (3)	126, 127, 134, 135, 139	269	139	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
247	$3^2 \times S_3$	54	62181756	288, 363, 361, 366, 368, 359 (3)	126, 128, 129, 130, 139	269	139	0	
248	$3^2 \times S_3$	54	62181756	284, 364, 366, 358, 362, 359 (3)	126, 131, 132, 133, 139	269	139	0	
249	$3^2 \times S_3$	54	62181756	300, 365, 362, 372, 361, 359 (3)	127, 130, 133, 136, 139	269	139	0	
250	$3^2 \times S_3$	54	62181756	292, 366, 370, 365, 369, 359 (3)	127, 129, 131, 137, 139	269	139	0	
251	$3^2 \times S_3$	54	62181756	303, 367, 372, 371, 366, 359 (3)	127, 128, 132, 138, 139	269	139	0	
252	$3^2 \times S_3$	54	62181756	301, 368, 358, 369, 372, 359 (3)	128, 131, 134, 136, 139	269	139	0	
253	$3^2 \times S_3$	54	62181756	306, 369, 367, 361, 364, 359 (3)	128, 133, 135, 137, 139	269	139	0	
254	$3^2 \times S_3$	54	62181756	297, 370, 368, 362, 367, 359 (3)	129, 132, 135, 136, 139	269	139	0	
255	$3^2 \times S_3$	54	62181756	293, 358, 365, 367, 363, 359 (3)	129, 133, 134, 138, 139	269	139	0	
256	$3^2 \times S_3$	54	62181756	304, 371, 364, 368, 365, 359 (3)	130, 132, 134, 137, 139	269	139	0	
257	$3^2 \times S_3$	54	62181756	308, 372, 363, 364, 370, 359 (3)	130, 131, 135, 138, 139	269	139	0	
258	$9 : S_3$	54	20727252	339, 357 (9), 360 (3)	140, 141, 148, 149, 150	416	84	0	
259	$9 : S_3$	54	20727252	344, 357 (9), 360 (3)	140, 142, 151, 153, 154	416	92	0	
260	$9 : S_3$	54	20727252	343, 357 (9), 360 (3)	140, 143, 152, 155, 156	416	91	0	
261	$9 : S_3$	54	20727252	345, 357 (9), 360 (3)	140, 144, 145, 146, 147	416	80	0	
262	$D_{52}$	52	193720086	351, 352, 353, 412 (13)	6	415	262	0	
263	$7 : 3 : 2$	42	239843916	355, 373, 410 (7)	26, 123	416	263	0	
264	$D_{38}$	38	88363548	356, 415 (19)	157	416	157	0	
265	37	37	45375876	416	158, 225	265	122	0	

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
266	$D_{28}$	28	179882937	374, 375 (2), 412 (7)	9, 227	412	227	0
267	$2 \times 14$	28	59960979	374 (3), 412	159, 227	267	123	0
268	$D_{28}$	28	179882937	375, 374, 373, 412 (7)	227	412	227	0
269	$3^3$	27	531468	378 (13)	93 (27), 183 (13), 230 (27)	27	7	0
270	$3^3$	27	19684	379 (13)	94 (729), 160 (13), 190 (234), 191 (117), 231 (27)	5	2	0
271	$3^3$	27	767676	380 (3), 381 (3), 382 (3), 383 (3), 379	160, 161 (3), 163 (3), 164 (3), 169 (3), 206 (18), 207 (9), 218 (9), 222 (18), 240 (27)	42	8	0
272	$3^3$	27	767676	384 (3), 385 (3), 382 (3), 386 (3), 379	160, 162 (3), 166 (3), 169 (3), 173 (3), 234 (27)	42	8	0
273	$3^3$	27	767676	387 (3), 381 (3), 388 (3), 386 (3), 379	160, 163 (3), 166 (3), 167 (3), 171 (3), 208 (18), 209 (9), 214 (9), 215 (18), 244 (27)	42	8	0
274	$3^3$	27	767676	380 (3), 389 (3), 390 (3), 386 (3), 379	160, 162 (3), 164 (3), 167 (3), 168 (3), 233 (27)	42	8	0
275	$3^3$	27	767676	384 (3), 381 (3), 390 (3), 391 (3), 379	160, 165 (3), 167 (3), 169 (3), 170 (3), 217 (3), 219 (6), 221 (6), 223 (6), 224 (6), 239 (27)	42	8	0
276	$3^3$	27	767676	387 (3), 389 (3), 382 (3), 391 (3), 379	160, 164 (3), 166 (3), 170 (3), 172 (3), 237 (27)	42	8	0

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<i>continued from previous page</i>								
Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
277	$3^3$	27	767676	380 (3), 385 (3), 388 (3), 391 (3), 379	160, 161 (3), 167 (3), 172 (3), 173 (3), 198 (9), 199 (18), 232 (27)	42	8	0
278	$3^3$	27	767676	384 (3), 389 (3), 388 (3), 383 (3), 379	160, 161 (3), 165 (3), 166 (3), 168 (3), 188 (9), 189 (18), 194 (18), 195 (9), 243 (27)	42	8	0
279	$3^3$	27	767676	387 (3), 385 (3), 390 (3), 383 (3), 379	160, 168 (3), 169 (3), 171 (3), 172 (3), 204 (18), 205 (9), 236 (27)	42	8	0
280	$3^3$	27	767676	380 (3), 384 (3), 387 (3), 392 (3), 379	160, 163 (3), 168 (3), 170 (3), 173 (3), 202 (18), 203 (9), 241 (27)	42	8	0
281	$3^3$	27	767676	381 (3), 389 (3), 385 (3), 392 (3), 379	160, 161 (3), 162 (3), 170 (3), 171 (3), 196 (18), 197 (9), 216 (9), 220 (18), 235 (27)	42	8	0
282	$3^3$	27	767676	382 (3), 388 (3), 390 (3), 392 (3), 379	160, 162 (3), 163 (3), 165 (3), 172 (3), 192 (18), 193 (9), 210 (18), 211 (9), 242 (27)	42	8	0
283	$3^3$	27	767676	383 (3), 386 (3), 391 (3), 392 (3), 379	160, 164 (3), 165 (3), 171 (3), 173 (3), 200 (9), 201 (18), 212 (9), 213 (18), 238 (27)	42	8	0
284	$3^3$	27	6909084	378, 393 (2), 394 (2), 395 (2), 396 (2), 389, 381, 391, 380	161, 164, 167, 170, 177 (2), 178 (2), 183, 185 (2), 186 (2), 248 (9)	42	27	0

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<i>continued from previous page</i>									
Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
285	$3^3$	27	13818168	397, 398, 399, 396, 400, 393, 401, 394, 402, 383, 392, 388, 381	161, 163, 165, 171, 176, 177, 179, 180, 181, 182, 184, 185, 186	42	42	0	
286	$3^3$	27	6909084	403 (2), 378, 404 (2), 405 (2), 395 (2), 383, 392, 388, 381	161, 163, 165, 171, 174 (2), 175 (2), 178 (2), 183, 187 (2), 245 (9)	42	27	0	
287	$3^3$	27	13818168	397, 393, 405, 402, 401, 403, 394, 400, 395, 388, 389, 385, 382	161, 162, 166, 172, 175, 176, 178, 180, 181, 184, 185, 186, 187	42	42	0	
288	$3^3$	27	6909084	398 (2), 404 (2), 396 (2), 399 (2), 378, 388, 389, 385, 382	161, 162, 166, 172, 174 (2), 177 (2), 179 (2), 182 (2), 183, 247 (9)	42	27	0	
289	$3^3$	27	13818168	397, 403, 402, 400, 404, 398, 399, 405, 401, 389, 381, 391, 380	161, 164, 167, 170, 174, 175, 176, 179, 180, 181, 182, 184, 187	42	42	0	
290	$3^3$	27	6909084	378, 397 (2), 393 (2), 403 (2), 398 (2), 384, 385, 380, 383	161, 168, 169, 173, 175 (2), 181 (2), 182 (2), 183, 186 (2), 246 (9)	42	27	0	
291	$3^3$	27	13818168	394, 402, 395, 401, 396, 404, 399, 400, 405, 384, 385, 380, 383	161, 168, 169, 173, 174, 176, 177, 178, 179, 180, 184, 185, 187	42	42	0	
292	$3^3$	27	6909084	399 (2), 397 (2), 400 (2), 395 (2), 378, 392, 390, 389, 384	162, 165, 168, 170, 174 (2), 176 (2), 180 (2), 183, 186 (2), 250 (9)	42	27	0	
293	$3^3$	27	6909084	396 (2), 402 (2), 403 (2), 400 (2), 378, 390, 386, 381, 385	162, 167, 169, 171, 179 (2), 183, 184 (2), 186 (2), 187 (2), 255 (9)	42	27	0	
294	$3^3$	27	13818168	405, 401, 404, 393, 395, 397, 399, 398, 394, 390, 386, 381, 385	162, 167, 169, 171, 174, 175, 176, 177, 178, 180, 181, 182, 185	42	42	0	

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<i>continued from previous page</i>									
Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
295	$3^3$	27	13818168	396, 398, 402, 401, 403, 404, 405, 393, 394, 392, 390, 389, 384	162, 165, 168, 170, 175, 177, 178, 179, 181, 182, 184, 185, 187	42	42	0	
296	$3^3$	27	13818168	399, 396, 405, 401, 393, 398, 403, 395, 400, 382, 380, 392, 386	162, 163, 164, 173, 174, 175, 178, 179, 180, 182, 184, 185, 186	42	42	0	
297	$3^3$	27	6909084	397 (2), 402 (2), 394 (2), 404 (2), 378, 382, 380, 392, 386	162, 163, 164, 173, 176 (2), 177 (2), 181 (2), 183, 187 (2), 254 (9)	42	27	0	
298	$3^3$	27	13818168	399, 393, 396, 395, 404, 402, 397, 401, 403, 381, 384, 382, 387	163, 166, 169, 170, 175, 176, 177, 178, 179, 180, 182, 186, 187	42	42	0	
299	$3^3$	27	13818168	396, 393, 405, 399, 397, 394, 404, 403, 400, 380, 387, 390, 388	163, 167, 168, 172, 174, 177, 178, 180, 181, 182, 184, 186, 187	42	42	0	
300	$3^3$	27	6909084	401 (2), 398 (2), 395 (2), 378, 402 (2), 380, 387, 390, 388	163, 167, 168, 172, 175 (2), 176 (2), 179 (2), 183, 185 (2), 249 (9)	42	27	0	
301	$3^3$	27	6909084	405 (2), 400 (2), 398 (2), 394 (2), 378, 381, 384, 382, 387	163, 166, 169, 170, 174 (2), 181 (2), 183, 184 (2), 185 (2), 252 (9)	42	27	0	
302	$3^3$	27	13818168	396, 403, 399, 394, 398, 402, 395, 397, 405, 387, 383, 386, 389	164, 166, 168, 171, 174, 175, 176, 177, 182, 184, 185, 186, 187	42	42	0	
303	$3^3$	27	6909084	401 (2), 393 (2), 400 (2), 404 (2), 378, 387, 383, 386, 389	164, 166, 168, 171, 178 (2), 179 (2), 180 (2), 181 (2), 183, 251 (9)	42	27	0	
304	$3^3$	27	6909084	396 (2), 405 (2), 378, 401 (2), 397 (2), 391, 382, 383, 390	164, 165, 169, 172, 180 (2), 182 (2), 183, 185 (2), 187 (2), 256 (9)	42	27	0	

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<i>continued from previous page</i>									
Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
305	$3^3$	27	13818168	393, 400, 398, 394, 403, 404, 395, 402, 399, 391, 382, 383, 390	164, 165, 169, 172, 174, 175, 176, 177, 178, 179, 181, 184, 186	42	42	0	
306	$3^3$	27	6909084	399 (2), 403 (2), 378, 401 (2), 394 (2), 386, 388, 384, 391	165, 166, 167, 173, 176 (2), 178 (2), 182 (2), 183, 184 (2), 253 (9)	42	27	0	
307	$3^3$	27	13818168	397, 402, 400, 396, 395, 404, 405, 398, 393, 386, 388, 384, 391	165, 166, 167, 173, 174, 175, 177, 179, 180, 181, 185, 186, 187	42	42	0	
308	$3^3$	27	6909084	378, 402 (2), 405 (2), 399 (2), 393 (2), 385, 391, 387, 392	170, 171, 172, 173, 175 (2), 177 (2), 180 (2), 183, 184 (2), 257 (9)	42	27	0	
309	$3^3$	27	13818168	394, 404, 400, 401, 398, 397, 403, 396, 395, 385, 391, 387, 392	170, 171, 172, 173, 174, 176, 178, 179, 181, 182, 185, 186, 187	42	42	0	
310	$3^3$	27	13818168	378, 400, 394, 402, 398 (3), 399, 405, 401, 396, 395, 404	174 (2), 175, 176, 177, 179 (2), 181, 182, 183, 184, 185 (2)	42	42	0	
311	$3^3$	27	13818168	399 (3), 398, 394, 395 (3), 404 (3), 405, 400	174 (4), 175, 176 (2), 177 (2), 178 (2), 179, 180	42	42	0	
312	$3^3$	27	13818168	393, 396, 400, 397 (3), 398, 401, 395, 403, 378, 405, 399	174, 175, 176, 180 (2), 181, 182 (2), 183, 185, 186 (2), 187	42	42	0	
313	$3^3$	27	13818168	405 (3), 399, 394, 378, 400, 403, 398, 393, 402, 404, 395	174 (2), 175 (2), 177, 178, 180, 181, 183, 184 (2), 185, 187	42	42	0	
314	$3^3$	27	13818168	394, 400 (3), 393, 404, 397, 398, 401, 399, 378, 395, 405	174 (2), 176, 178, 179, 180 (2), 181 (2), 183, 184, 185, 186	42	42	0	

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<i>continued from previous page</i>									
Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
315	$3^3$	27	13818168	405 (3), 397 (3), 400, 402, 396, 403, 404 (3)	174 (2), 175, 177, 180 (2), 181 (2), 182, 187 (4)	42	42	0	
316	$3^3$	27	13818168	402, 396, 405, 403, 400, 398, 399, 394, 401, 404, 395, 397, 393	174, 175, 176, 177, 178, 179, 180, 181, 182, 184, 185, 186, 187	42	42	0	
317	$3^3$	27	13818168	395 (3), 402, 403, 396, 398, 401, 405, 394, 378, 404, 393	174, 175 (2), 176, 177, 178 (2), 179, 183, 185 (2), 186, 187	42	42	0	
318	$3^3$	27	13818168	399 (3), 401, 403 (3), 396, 398 (3), 405, 397	174 (2), 175 (2), 176, 179, 182 (4), 184 (2), 186	42	42	0	
319	$3^3$	27	13818168	393, 396 (3), 400 (3), 403, 395 (3), 398, 397	174 (2), 178, 179 (2), 180, 185 (2), 186 (4), 187	42	42	0	
320	$3^3$	27	13818168	394 (3), 398 (3), 397 (3), 400, 401, 393, 404	174, 176 (2), 177, 181 (4), 182 (2), 185 (2), 186	42	42	0	
321	$3^3$	27	13818168	405 (3), 396 (3), 394 (3), 395, 398, 401, 402	174, 177 (2), 178, 182, 184 (2), 185 (4), 187 (2)	42	42	0	
322	$3^3$	27	13818168	402, 397, 393, 378, 400, 401, 404 (3), 398, 394, 399, 396	174, 176, 177 (2), 178, 179 (2), 180, 181 (2), 182, 183, 187	42	42	0	
323	$3^3$	27	13818168	400, 401, 396 (3), 402, 404, 398, 397, 399, 378, 405, 403	174, 177, 179 (2), 180, 182 (2), 183, 184, 185, 186, 187 (2)	42	42	0	
324	$3^3$	27	13818168	394 (3), 403 (3), 400 (3), 405, 393, 399, 402	174, 176, 178 (2), 181 (2), 184 (4), 186 (2), 187	42	42	0	
325	$3^3$	27	13818168	402, 403 (3), 396, 400, 395, 397, 405, 378, 404, 398, 393	174, 175 (2), 178, 179, 181, 182, 183, 184, 186 (2), 187 (2)	42	42	0	

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<i>continued from previous page</i>								
Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
326	$3^3$	27	13818168	405, 399, 395, 397, 404, 393, 401, 398, 394, 396, 403, 402, 400	174, 175, 176, 177, 178, 179, 180, 181, 182, 184, 185, 186, 187	42	42	0
327	$3^3$	27	13818168	401, 403, 395, 405, 399 (3), 397, 402, 394, 378, 393, 400	174, 175, 176 (2), 177, 178, 180 (2), 182, 183, 184 (2), 186	42	42	0
328	$3^3$	27	13818168	397 (3), 399, 402 (3), 401, 403, 395 (3), 394	175 (2), 176 (4), 177, 180, 185, 186 (2), 187 (2)	42	42	0
329	$3^3$	27	13818168	393 (3), 398 (3), 404, 403, 402 (3), 405, 395	175 (4), 177 (2), 179 (2), 181 (2), 184, 185, 186	42	42	0
330	$3^3$	27	13818168	401 (3), 394, 398, 405, 402, 397, 403, 395, 396, 378, 399	175, 176 (2), 178, 179, 180, 182 (2), 183, 184, 185 (2), 187	42	42	0
331	$3^3$	27	13818168	399, 393 (3), 401 (3), 395, 397, 405 (3), 400	175 (2), 178 (2), 180 (4), 181, 182, 184, 185 (2)	42	42	0
332	$3^3$	27	13818168	401 (3), 404 (3), 394, 403 (3), 395, 393, 396	175, 176, 178 (4), 179 (2), 181, 182 (2), 187 (2)	42	42	0
333	$3^3$	27	13818168	401, 397, 378, 395, 394, 396, 398, 393 (3), 403, 400, 404	175, 177, 178 (2), 179, 180, 181 (2), 182, 183, 185, 186 (2)	42	42	0
334	$3^3$	27	13818168	400, 397, 402 (3), 378, 399, 403, 396, 393, 405, 394, 404	175, 176, 177 (2), 179, 180, 181, 183, 184 (2), 186, 187 (2)	42	42	0
335	$3^3$	27	13818168	403, 397, 402, 394 (3), 396, 404, 378, 401, 395, 399, 393	176 (2), 177 (2), 178 (2), 181, 182, 183, 184, 185, 186, 187	42	42	0
336	$3^3$	27	13818168	402 (3), 401 (3), 400 (3), 398, 404, 396, 399	176 (2), 179 (4), 180 (2), 181, 184 (2), 185, 187	42	42	0

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<i>continued from previous page</i>									
Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
337	$3^3$	27	13818168	393 (3), 402, 396 (3), 394, 399 (3), 397, 404	177 (4), 178, 179, 180 (2), 182 (2), 184, 186 (2)	42	42	0	
338	$3 \times 9$	27	13818168	406 (3), 379	188, 189 (2), 190, 198, 199 (2), 206 (2), 207, 220 (3)	190	54	0	
339	$3 \times 9$	27	6909084	407 (3), 379	188, 189 (2), 191, 198, 199 (2), 206 (2), 207, 216 (3), 258 (3)	191	30	0	
340	$3 \times 9$	27	13818168	406 (3), 379	190, 196 (2), 197, 200, 201 (2), 204 (2), 205, 215 (3)	190	52	0	
341	$3 \times 9$	27	13818168	406 (3), 379	190, 192 (2), 193, 202 (2), 203, 208 (2), 209, 222 (3)	190	53	0	
342	$3 \times 9$	27	13818168	406 (3), 379	190, 194 (3), 210 (3), 213 (3), 221, 223, 224	190	55	0	
343	$3 \times 9$	27	6909084	407 (3), 379	191, 196 (2), 197, 200, 201 (2), 204 (2), 205, 214 (3), 260 (3)	191	34	0	
344	$3 \times 9$	27	6909084	407 (3), 379	191, 192 (2), 193, 202 (2), 203, 208 (2), 209, 218 (3), 259 (3)	191	37	0	
345	$3 \times 9$	27	6909084	407 (3), 379	191, 195 (3), 211 (3), 212 (3), 217, 219 (2), 261 (3)	191	29	0	
346	$3^{1+2}$	27	41454504	381, 407 (3)	214, 216, 218, 219	270	113	0	
347	$3^{1+2}$	27	20727252	381, 407 (3)	214, 216, 217, 218, 229 (9)	270	76	0	
348	$3^{1+2}$	27	41454504	381, 406 (3)	215, 220, 222, 224	270	115	0	

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
349	$3^{1+2}$	27	41454504	381, 406 (3)	215, 220, 222, 223	270	115	0
350	$3^{1+2}$	27	41454504	381, 406 (3)	215, 220, 221, 222	270	115	0
351	$D_{26}$	26	193720086	376, 415 (13)	9, 262	415	262	0
352	26	26	193720086	376, 415	71 (2), 72 (2), 262	352	262	0
353	$D_{26}$	26	193720086	376, 415 (13)	262	415	262	0
354	$A_4 \times 2$	24	419726853	377, 408, 410 (4)	6, 123, 124	415	354	0
355	$7 : 3$	21	239843916	409, 413 (7)	124 (2), 159, 263	416	263	0
356	19	19	88363548	416	226, 264	356	157	0
357	$D_{18}$	18	186545268	407, 411 (3)	73, 229, 258, 259, 260, 261	416	229	0
358	$S_3 \times 3$	18	62181756	381, 411, 410 (3)	229 (9), 235, 239, 240, 244, 245, 248, 252, 255	269	139	0
359	$3 \times 6$	18	186545268	378, 410 (4)	230, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257	230	230	0
360	$3 : S_3$	18	20727252	379, 411 (12)	231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 258 (3), 259 (3), 260 (3), 261 (3)	269	75	0
361	$S_3 \times 3$	18	62181756	388, 411, 410 (3)	232, 242, 243, 244, 245, 247, 249, 253	269	139	0
362	$S_3 \times 3$	18	62181756	380, 411, 410 (3)	232, 233, 240, 241, 246, 248, 249, 254	269	139	0
363	$S_3 \times 3$	18	62181756	385, 411, 410 (3)	232, 234, 235, 236, 246, 247, 255, 257	269	139	0
364	$S_3 \times 3$	18	62181756	391, 411, 410 (3)	232, 237, 238, 239, 248, 253, 256, 257	269	139	0
365	$S_3 \times 3$	18	62181756	390, 411, 410 (3)	233, 236, 239, 242, 249, 250, 255, 256	269	139	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
366	$S_3 \times 3$	18	62181756	389, 411, 410 (3)	233, 235, 237, 243, 247, 248, 250, 251	269	139	0	
367	$S_3 \times 3$	18	62181756	386, 411, 410 (3)	233, 234, 238, 244, 251, 253, 254, 255	269	139	0	
368	$S_3 \times 3$	18	62181756	382, 411, 410 (3)	234, 237, 240, 242, 247, 252, 254, 256	269	139	0	
369	$S_3 \times 3$	18	62181756	384, 411, 410 (3)	234, 239, 241, 243, 246, 250, 252, 253	269	139	0	
370	$S_3 \times 3$	18	62181756	392, 411, 410 (3)	235, 238, 241, 242, 245, 250, 254, 257	269	139	0	
371	$S_3 \times 3$	18	62181756	383, 411, 410 (3)	236, 238, 240, 243, 245, 246, 251, 256	269	139	0	
372	$S_3 \times 3$	18	62181756	387, 411, 410 (3)	236, 237, 241, 244, 249, 251, 252, 257	269	139	0	
373	$D_{14}$	14	59960979	409, 415 (7)	73 (4), 263 (4), 268 (3)	412	123	0	
374	14	14	179882937	409, 415	266, 267, 268	267	227	0	
375	$D_{14}$	14	179882937	409, 415 (7)	266 (2), 268	412	227	0	
376	13	13	193720086	416	93 (2), 94 (2), 351, 352, 353	352	262	0	
377	$A_4$	12	419726853	412, 413 (4)	9, 159, 354	415	354	0	
378	$3^2$	9	6909084	413 (4)	269, 284, 286, 288, 290, 292, 293, 297, 300, 301, 303, 304, 306, 308, 310 (2), 312 (2), 313 (2), 314 (2), 317 (2), 322 (2), 323 (2), 325 (2), 327 (2), 330 (2), 333 (2), 334 (2), 335 (2), 359 (27)	27	27	0	

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
379	$3^2$	9	255892	414 (4)	270, 271 (3), 272 (3), 273 (3), 274 (3), 275 (3), 276 (3), 277 (3), 278 (3), 279 (3), 280 (3), 281 (3), 282 (3), 283 (3), 338 (54), 339 (27), 340 (54), 341 (54), 342 (54), 343 (27), 344 (27), 345 (27), 360 (81)	5	4	0
380	$3^2$	9	2303028	413 (3), 414	271, 274, 277, 280, 284 (3), 289 (6), 290 (3), 291 (6), 296 (6), 297 (3), 299 (6), 300 (3), 362 (27)	42	16	0
381	$3^2$	9	2303028	413 (3), 414	271, 273, 275, 281, 284 (3), 285 (6), 286 (3), 289 (6), 293 (3), 294 (6), 298 (6), 301 (3), 346 (18), 347 (9), 348 (18), 349 (18), 350 (18), 358 (27)	42	16	0
382	$3^2$	9	2303028	413 (3), 414	271, 272, 276, 282, 287 (6), 288 (3), 296 (6), 297 (3), 298 (6), 301 (3), 304 (3), 305 (6), 368 (27)	42	16	0
383	$3^2$	9	2303028	413 (3), 414	271, 278, 279, 283, 285 (6), 286 (3), 290 (3), 291 (6), 302 (6), 303 (3), 304 (3), 305 (6), 371 (27)	42	16	0
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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
384	$3^2$	9	2303028	413 (3), 414	272, 275, 278, 280, 290 (3), 291 (6), 292 (3), 295 (6), 298 (6), 301 (3), 306 (3), 307 (6), 369 (27)	42	16	0
385	$3^2$	9	2303028	413 (3), 414	272, 277, 279, 281, 287 (6), 288 (3), 290 (3), 291 (6), 293 (3), 294 (6), 308 (3), 309 (6), 363 (27)	42	16	0
386	$3^2$	9	2303028	413 (3), 414	272, 273, 274, 283, 293 (3), 294 (6), 296 (6), 297 (3), 302 (6), 303 (3), 306 (3), 307 (6), 367 (27)	42	16	0
387	$3^2$	9	2303028	413 (3), 414	273, 276, 279, 280, 298 (6), 299 (6), 300 (3), 301 (3), 302 (6), 303 (3), 308 (3), 309 (6), 372 (27)	42	16	0
388	$3^2$	9	2303028	413 (3), 414	273, 277, 278, 282, 285 (6), 286 (3), 287 (6), 288 (3), 299 (6), 300 (3), 306 (3), 307 (6), 361 (27)	42	16	0
389	$3^2$	9	2303028	413 (3), 414	274, 276, 278, 281, 284 (3), 287 (6), 288 (3), 289 (6), 292 (3), 295 (6), 302 (6), 303 (3), 366 (27)	42	16	0
390	$3^2$	9	2303028	413 (3), 414	274, 275, 279, 282, 292 (3), 293 (3), 294 (6), 295 (6), 299 (6), 300 (3), 304 (3), 305 (6), 365 (27)	42	16	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
391	$3^2$	9	2303028	413 (3), 414	275, 276, 277, 283, 284 (3), 289 (6), 304 (3), 305 (6), 306 (3), 307 (6), 308 (3), 309 (6), 364 (27)	42	16	0
392	$3^2$	9	2303028	413 (3), 414	280, 281, 282, 283, 285 (6), 286 (3), 292 (3), 295 (6), 296 (6), 297 (3), 308 (3), 309 (6), 370 (27)	42	16	0
393	$3^2$	9	13818168	413 (4)	284, 285, 287, 290, 294, 295, 296, 298, 299, 303, 305, 307, 308, 312, 313, 314, 316, 317, 319, 320, 322, 324, 325, 326, 327, 329 (3), 331 (3), 332, 333 (3), 334, 335, 337 (3)	42	42	0
394	$3^2$	9	13818168	413 (4)	284, 285, 287, 291, 294, 295, 297, 299, 301, 302, 305, 306, 309, 310, 311, 313, 314, 316, 317, 320 (3), 321 (3), 322, 324 (3), 326, 327, 328, 330, 332, 333, 334, 335 (3), 337	42	42	0
<i>continued on next page</i>								

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
395	$3^2$	9	13818168	413 (4)	284, 286, 287, 291, 292, 294, 296, 298, 300, 302, 305, 307, 309, 310, 311 (3), 312, 313, 314, 316, 317 (3), 319 (3), 321, 325, 326, 327, 328 (3), 329, 330, 331, 332, 333, 335	42	42	0	
396	$3^2$	9	13818168	413 (4)	284, 285, 288, 291, 293, 295, 296, 298, 299, 302, 304, 307, 309, 310, 312, 315, 316, 317, 318, 319 (3), 321 (3), 322, 323 (3), 325, 326, 330, 332, 333, 334, 335, 336, 337 (3)	42	42	0	
397	$3^2$	9	13818168	413 (4)	285, 287, 289, 290, 292, 294, 297, 298, 299, 302, 304, 307, 309, 312 (3), 314, 315 (3), 316, 318, 319, 320 (3), 322, 323, 325, 326, 327, 328 (3), 330, 331, 333, 334, 335, 337	42	42	0	
<i>continued on next page</i>									

<i>continued from previous page</i>								
Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
398	$3^2$	9	13818168	413 (4)	285, 288, 289, 290, 294, 295, 296, 300, 301, 302, 305, 307, 309, 310 (3), 311, 312, 313, 314, 316, 317, 318 (3), 319, 320 (3), 321, 322, 323, 325, 326, 329 (3), 330, 333, 336	42	42	0
399	$3^2$	9	13818168	413 (4)	285, 288, 289, 291, 292, 294, 296, 298, 299, 302, 305, 306, 308, 310, 311 (3), 312, 313, 314, 316, 318 (3), 322, 323, 324, 326, 327 (3), 328, 330, 331, 334, 335, 336, 337 (3)	42	42	0
400	$3^2$	9	13818168	413 (4)	285, 287, 289, 291, 292, 293, 296, 299, 301, 303, 305, 307, 309, 310, 311, 312, 313, 314 (3), 315, 316, 319 (3), 320, 322, 323, 324 (3), 325, 326, 327, 331, 333, 334, 336 (3)	42	42	0
<i>continued on next page</i>								

<i>continued from previous page</i>									
Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
401	$3^2$	9	13818168	413 (4)	285, 287, 289, 291, 294, 295, 296, 298, 300, 303, 304, 306, 309, 310, 312, 314, 316, 317, 318, 320, 321, 322, 323, 326, 327, 328, 330 (3), 331 (3), 332 (3), 333, 335, 336 (3)	42	42	0	
402	$3^2$	9	13818168	413 (4)	285, 287, 289, 291, 293, 295, 297, 298, 300, 302, 305, 307, 308, 310, 313, 315, 316, 317, 321, 322, 323, 324, 325, 326, 327, 328 (3), 329 (3), 330, 334 (3), 335, 336 (3), 337	42	42	0	
403	$3^2$	9	13818168	413 (4)	286, 287, 289, 290, 293, 295, 296, 298, 299, 302, 305, 306, 309, 312, 313, 315, 316, 317, 318 (3), 319, 323, 324 (3), 325 (3), 326, 327, 328, 329, 330, 332 (3), 333, 334, 335	42	42	0	
<i>continued on next page</i>									

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
404	$3^2$	9	13818168	413 (4)	286, 288, 289, 291, 294, 295, 297, 298, 299, 303, 305, 307, 309, 310, 311 (3), 313, 314, 315 (3), 316, 317, 320, 322 (3), 323, 325, 326, 329, 332 (3), 333, 334, 335, 336, 337	42	42	0
405	$3^2$	9	13818168	413 (4)	286, 287, 289, 291, 294, 295, 296, 299, 301, 302, 304, 307, 308, 310, 311, 312, 313 (3), 314, 315 (3), 316, 317, 318, 321 (3), 323, 324, 325, 326, 327, 329, 330, 331 (3), 334	42	42	0
406	9	9	41454504	414	338, 340, 341, 342, 348 (3), 349 (3), 350 (3)	190	115	0
407	9	9	20727252	414	339, 343, 344, 345, 346 (6), 347 (3), 357 (9)	191	76	0
408	$2^3$	8	59960979	412 (7)	227 (7), 228, 354 (7)	408	124	0
409	7	7	59960979	416	228 (8), 355 (4), 373, 374 (3), 375 (3)	267	123	0
410	6	6	186545268	413, 415	122 (9), 157 (9), 263 (9), 354 (9), 358, 359 (4), 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372	230	230	0

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$	
411	$S_3$	6	62181756	414, 415 (3)	357 (9), 358, 360 (4), 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372	269	139	0	
412	$2^2$	4	59960979	415 (3)	262 (42), 266 (21), 267, 268 (21), 377 (7), 408 (7)	227	123	0	
413	3	3	6909084	416	158 (243), 226 (243), 355 (243), 377 (243), 378 (4), 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393 (8), 394 (8), 395 (8), 396 (8), 397 (8), 398 (8), 399 (8), 400 (8), 401 (8), 402 (8), 403 (8), 404 (8), 405 (8), 410 (27)	27	27	0	
414	3	3	255892	416	379 (4), 380 (9), 381 (9), 382 (9), 383 (9), 384 (9), 385 (9), 386 (9), 387 (9), 388 (9), 389 (9), 390 (9), 391 (9), 392 (9), 406 (162), 407 (81), 411 (243)	5	4	0	

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups	Cent.	Norm.	$\mu_G(H)$
415	2	2	512487	416	225 (3276), 264 (3276), 351 (4914), 352 (378), 353 (4914), 373 (819), 374 (351), 375 (2457), 410 (364), 411 (364), 412 (351)	6	6	0
416	1	1	1		265 (45375876), 356 (88363548), 376 (193720086), 409 (59960979), 413 (6909084), 414 (255892), 415 (512487)	1	1	0

TABLE 1. Subgroup lattice of  $R(27)$ 

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