

$$d = 18$$

$$\Psi_{\mathbb{Q}}(18) \supseteq \left\{ \begin{array}{c} (6), (7), (9), (12), (14), (18), (19), (21), (26), (27), (28), (30), (36), (42), (45), \\ (2, 6), (2, 14), (2, 18), (2, 26), (2, 36), (2, 42), (3, 6), (3, 9), (3, 12), (3, 18), (3, 21), (4, 12), (4, 28), (6, 6), (6, 18), (7, 7), (9, 9) \end{array} \right\}$$

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G	$\Psi_{\mathbb{Q}}(18, G) \setminus \{G\} \supseteq$
$()$	$\left\{ \begin{array}{c} (6), (7), (9), (12), (14), (18), (19), (21), (26), (27), (28), (30), (42), \\ (2, 6), (2, 14), (2, 18), (2, 26), (2, 42), (3, 6), (3, 9), (3, 12), (3, 18), (3, 21), (4, 12), (4, 28), (6, 6), (6, 18), (7, 7), (9, 9) \end{array} \right\}$
(2)	$\{(18), (36), (2, 18), (3, 18), (6, 18)\}$
(3)	$\{(18), (27), (42), (45), (2, 18), (2, 42), (3, 6), (3, 9), (3, 12), (3, 18), (3, 21), (6, 6), (6, 18), (9, 9)\}$
(4)	$\{(36), (2, 36)\}$
(5)	$\{(30), (45)\}$
(6)	$\{(36), (2, 18), (3, 18), (6, 18)\}$
(7)	$\{\}$
(8)	$\{\}$
(9)	$\{(3, 18)\}$
(10)	$\{\}$
(12)	$\{(2, 36)\}$
$(2, 2)$	$\{(2, 18), (2, 36)\}$
$(2, 4)$	$\{\}$
$(2, 6)$	$\{(2, 36)\}$
$(2, 8)$	$\{\}$

$$hpsi_{\mathbb{Q}}(18) = 6$$

Number of configurations: 101

Maximun conductor to obtain all the configurations: 1296

G	$\mathcal{H}_{\mathbb{Q}}(18, E)$	Label
()	(2, 14)	294a1
()	(2, 26)	147b1
()	(4, 28)	338b1
()	(6, 18)	108a2
()	(9)	300a1
()	(14)	26b2
()	(18)	432b1
()	(19)	361a2
()	(26)	147c1
()	(28)	338a1
()	(2, 6), (2, 18)	196a1
()	(2, 6), (3, 18)	486c2
()	(2, 18), (6, 6)	300b2
()	(3, 9), (6, 6)	196b2
()	(6), (2, 18)	361b1
()	(6), (9)	50b3
()	(6), (18)	175b1
()	(6), (27)	432e3
()	(6, 6), (9, 9)	243a1
()	$(7)^2$	2450a1
()	(9), (2, 6)	196a2
()	(9), (2, 18)	1728e2
()	(9), (4, 12)	1296h2
()	(9), (6, 6)	324a2
()	$(9)^2$	175b2
()	(9), (12)	1296h1
()	(9), (18)	432a1
()	(14), (7, 7)	2450ba1
()	(18), (2, 6)	361b3
()	(27), (2, 6)	1728j3
()	(2, 6), (3, 6), (3, 9)	676c2
()	(6), (9), (2, 14)	254016dv3
()	(6), (9), (2, 18)	1728j2
()	(6), (9), (2, 42)	5184u1
()	$(6), (9)^2$	1734j2
()	(6), (9), (14)	1296e3
()	(6), (9), (18)	432e1

G	$\mathcal{H}_{\mathbb{Q}}(18, E)$	Label
()	(6), (9), (42)	1296e1
()	(6), (18), (27)	432a2
()	(9), (2, 6), (3, 6)	44a2
()	(9), (3, 12), (4, 12)	162d2
()	$(9)^2$, (2, 6)	15552ch1
()	(9), (14), (2, 6)	5184u4
()	(9), (18), (2, 6)	1728e1
()	(9), (42), (2, 6)	5184bd2
()	(27), (2, 6), (3, 18)	54a2
()	$(28)^2$, (2, 14)	16562be2
()	(2, 6), (3, 6), $(3, 9)^2$	486f2
()	(6), (9), (14), (21)	1296e2
()	(9), (12), (2, 6), (3, 12)	162a2
()	(9), (21), (2, 6), (2, 14)	5184u2
()	(9), (30), (2, 6), (3, 6)	50a4
()	(6), (9), (21), (42), (2, 14)	7938u3
()	(9), (14), (21), (2, 6), (3, 6)	162b4
()	(9), (42), (2, 6), (3, 6), (3, 21)	162c2
()	$(18)^2$, (2, 6), (3, 6), (3, 9)	19a2
()	(9), (42), (2, 6), (2, 14), (3, 6), (3, 21)	162b2
()	$(18)^2$, (2, 6), (3, 6), $(3, 9)^2$	54b2
()	$(27)^2$, $(2, 18)^2$, (3, 9), (6, 6)	27a2
(2)	(2, 18)	80b1
(2)	(3, 18)	14a3
(2)	(6, 18)	36a3
(2)	(18)	20a3
(2)	(36)	30a3
(2)	(18), (2, 18)	98a3
(2)	$(18)^2$	98a4
(3)	(3, 6)	44a1
(3)	(3, 12)	162a1
(3)	(6, 6)	324a1
(3)	(6, 18)	108a1
(3)	(2, 18), (3, 18)	486f1
(3)	(2, 18), (6, 6)	486a2
(3)	(3, 6), (3, 9)	676c1
(3)	(3, 9), (6, 6)	225b1

G	$\mathcal{H}_{\mathbb{Q}}(18, E)$	Label
(3)	(6, 6), (9, 9)	243a2
(3)	(6, 18), (9, 9)	27a1
(3)	(42), (3, 6)	162b3
(3)	(45), (3, 6)	50a3
(3)	(2, 42), (3, 6), (3, 21)	162b1
(3)	(3, 6), (3, 9) ²	486c1
(3)	(3, 9) ³	19a1
(3)	(3, 9) ² , (3, 18)	54a1
(3)	(42), (3, 6), (3, 21)	162c1
(3)	(2, 18), (3, 9) ² , (3, 18)	54b1
(3)	(18), (2, 18), (3, 6), (3, 9)	19a3
(3)	(18), (2, 18), (3, 6), (3, 9) ²	54a3
(3)	(27), (2, 18) ² , (3, 9), (6, 6)	27a4
(4)	(2, 36)	150c3
(4)	(36)	90c1
(5)	(30), (45)	50b1
(6)	(2, 18)	20a1
(6)	(3, 18)	14a4
(6)	(6, 18)	36a1
(6)	(2, 18), (3, 18)	36a2
(6)	(36) ² , (2, 18)	30a1
(6)	(2, 18), (3, 18) ³	14a1
(9)	(3, 18)	54b3
(12)	(2, 36)	90c3
(2, 2)	(2, 18)	30a6
(2, 2)	(2, 36)	960o6
(2, 6)	(2, 36)	90c6