

$$d = 10$$

$$\Phi_{\mathbb{Q}}(10) \supseteq \{(3), (4), (5), (6), (7), (8), (9), (10), (11), (12), (15), (16), (25), (2, 2), (2, 4), (2, 6), (2, 8), (2, 10), (2, 12), (3, 3), (3, 6), (4, 4)\}$$

G	$\Phi_{\mathbb{Q}}(10, G) \setminus \{G\} \supseteq$
$()$	$\{(3), (5), (7), (9), (11), (15), (25)\}$
(2)	$\{(4), (6), (8), (10), (12), (16), (2, 2), (2, 6), (2, 10)\}$
(3)	$\{(15), (3, 3)\}$
(4)	$\{(8), (12), (2, 4), (2, 8), (2, 12), (4, 4)\}$
(5)	$\{(15), (25)\}$
(6)	$\{(12), (2, 6), (3, 6)\}$
(7)	$\{\}$
(8)	$\{(16), (2, 8)\}$
(9)	$\{\}$
(10)	$\{(2, 10)\}$
(12)	$\{(2, 12)\}$
$(2, 2)$	$\{(2, 4), (2, 6), (2, 8), (2, 12)\}$
$(2, 4)$	$\{(2, 8), (4, 4)\}$
$(2, 6)$	$\{(2, 12)\}$
$(2, 8)$	$\{\}$

$h_{\mathbb{Q}}(10) = 4$
 Number of configurations: 58
 Maximun conductor to obtain all the configurations: 3150

G	$\mathcal{H}_{\mathbb{Q}}(10, E)$	Label
()	(3)	19a2
()	(5)	11a2
()	(7)	208d1
()	(9)	54a2
()	(11)	121a1
()	$(3)^2$	175b2
()	(3), (5)	50a2
()	(5), (25)	99d1
()	(3), (5), (15)	50b3
(2)	(2, 2)	46a1
(2)	(2, 6)	36a3
(2)	(2, 10)	450a3
(2)	(2, 2), (2, 10)	450a1
(2)	(6), (2, 2)	14a3
(2)	(6), (2, 6)	98a3
(2)	(10), (2, 2)	150b1
(2)	$(4)^2$, (2, 2)	15a5
(2)	$(4)^2$, (2, 6)	450g1
(2)	(4), (8), (2, 2)	24a6
(2)	(4), (12), (2, 2)	30a3
(2)	(4), (16), (2, 2)	3150bk1
(2)	$(6)^2$, (2, 2)	98a4
(2)	$(8)^2$, (2, 2)	2880r6
(2)	(10), (2, 2), (2, 10)	66c3
(2)	$(4)^2$, (6), (2, 2)	30a7
(3)	(3, 3)	19a1
(3)	(15)	50a1
(4)	(2, 4)	17a1
(4)	(2, 8)	192c6
(4)	(2, 12)	150c3
(4)	(4, 4)	40a4
(4)	(12), (2, 4)	90c1
(4)	$(8)^2$, (2, 4)	15a7
(4)	$(8)^2$, (2, 8)	240d6
(5)	(15)	50b1
(5)	(25)	11a3
(6)	(2, 6)	14a4

G	$\mathcal{H}_{\mathbb{Q}}(10, E)$	Label
(6)	$(2, 6), (3, 6)$	14a1
(6)	$(12)^2, (2, 6)$	30a1
(8)	$(2, 8)$	15a4
(8)	$(16)^2, (2, 8)$	210e1
(10)	$(2, 10)$	66c1
(12)	$(2, 12)$	90c3
(2, 2)	$(2, 4)$	33a1
(2, 2)	$(2, 6)$	30a6
(2, 2)	$(2, 8)$	63a2
(2, 2)	$(2, 12)$	960o6
(2, 2)	$(2, 4)^2$	17a2
(2, 2)	$(2, 4), (2, 6)$	90c2
(2, 2)	$(2, 4), (2, 8)$	75b3
(2, 2)	$(2, 4)^3$	15a2
(2, 2)	$(2, 4)^2, (2, 8)$	510e5
(2, 4)	$(2, 8)$	15a3
(2, 4)	$(4, 4)$	195a3
(2, 4)	$(2, 8)^2$	1230f2
(2, 4)	$(2, 8), (4, 4)$	15a1
(2, 4)	$(2, 8)^2, (4, 4)$	210e3
(2, 6)	$(2, 12)$	90c6