$$\boxed{d = 15}$$

$\Phi_{\mathbb{Q}}(15) \supseteq \{(2), (3), (4), (5), (6), (7), (9), (10), (11), (12), (13), (14), (18), (21), (22), (25), (50), (2, 2), (2, 6), (2, 14)\}$

G	$\Phi_{\mathbb{Q}}(15, G) \setminus \{G\} \supseteq$
()	$\{(2), (3), (4), (5), (6), (7), (10), (11), (13), (22), (2, 2), (2, 14)\}$
(2)	$\{(6), (10), (14)\}$
(3)	$\{(6), (9), (12), (21), (2, 6)\}$
(4)	$\{(12)\}$
(5)	$\{(10), (25), (50)\}$
(6)	$\{(18)\}$
(7)	$\{(14)\}$
(8)	$\{\}$
(9)	$\{(18)\}$
(10)	$\{\}$
(12)	$\{\}$
(2, 2)	$\{(2, 6)\}$
(2, 4)	$\{\}$
(2, 6)	$\{\}$
(2, 8)	$\{\}$

$h_{\mathbb{Q}}(15) = 3$

Number of configurations: 30

Maximun conductor to obtain all the configurations: 3969

G	$\mathcal{H}_{\mathbb{Q}}(15, E)$	Label
$()$	(2)	26b2
$()$	$(2,2)$	196a1
$()$	$(2,14)$	1922c1
$()$	(4)	338b2
$()$	(6)	108a2
$()$	$(2),(3)$	19a2
$()$	$(2),(7)$	294a1
$()$	$(2),(13)$	147b1
$()$	$(3),(2,2)$	196b2
$()$	$(3),(4)$	162d2
$()$	$(4),(7)$	338b1
$()$	$(7),(2,2)$	3969a1
$()$	$(2),(3),(7)$	162b2
$()$	$(2),(5),(10)$	11a2
$()$	$(2),(11),(22)$	121a2
(2)	(6)	14a3
(2)	(10)	66c3
(2)	(14)	49a3
(3)	$(2,6)$	196b1
(3)	(6)	19a1
(3)	(12)	162d1
(3)	$(6),(9)$	19a3
(3)	$(6),(21)$	162b1
(4)	(12)	90c1
(5)	(10)	11a1
(5)	$(10),(25),(50)$	11a3
(6)	(18)	14a4
(7)	(14)	26b1
(9)	(18)	54b3
$(2,2)$	$(2,6)$	30a6