$$\boxed{d = 5}$$

$$\Phi_{\mathbb{Q}}(5) \supseteq \{(5), (10), (11), (25)\}$$

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

$h_{\mathbb{Q}}(5) = 1$
Number of configurations: 4
Maximun conductor to obtain all the configurations: 121

G	$\mathcal{H}_{\mathbb{Q}}(5, E)$	Label
()	(5)	11a2
()	(11)	121a2
(2)	(10)	66c3
(5)	(25)	11a3