The group G is isomorphic to the group labelled by [24, 11] in the Small Groups library.
Ordinary character table of $G \cong$ C3 x Q8:

	$1a$	$4a$	$4b$	$3a$	$2a$	$4c$	$12a$	$12b$	$3b$	$6a$	$12c$	$12d$	$12e$	$6b$	$12f$
χ_1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
χ_2	1	−1	−1	1	1	1	−1	−1	1	1	1	−1	−1	1	1
χ_3	1	−1	1	1	1	−1	−1	1	1	1	−1	−1	1	1	−1
χ_4	1	1	−1	1	1	−1	1	−1	1	1	−1	1	−1	1	−1
χ_5	1	−1	−1	$E(3)^2$	1	1	$-E(3)^2$	$-E(3)^2$	$E(3)$	$E(3)^2$	$E(3)^2$	$-E(3)$	$-E(3)$	$E(3)$	$E(3)$
χ_6	1	−1	−1	$E(3)$	1	1	$-E(3)$	$-E(3)$	$E(3)^2$	$E(3)$	$E(3)$	$-E(3)^2$	$-E(3)^2$	$E(3)^2$	$E(3)^2$
χ_7	1	−1	1	$E(3)^2$	1	−1	$-E(3)^2$	$E(3)^2$	$E(3)$	$E(3)^2$	$-E(3)^2$	$-E(3)$	$E(3)$	$E(3)$	$-E(3)$
χ_8	1	−1	1	$E(3)$	1	−1	$-E(3)$	$E(3)$	$E(3)^2$	$E(3)$	$-E(3)$	$-E(3)^2$	$E(3)^2$	$E(3)^2$	$-E(3)^2$
χ_9	1	1	−1	$E(3)^2$	1	−1	$E(3)^2$	$-E(3)^2$	$E(3)$	$E(3)^2$	$-E(3)^2$	$E(3)$	$-E(3)$	$E(3)$	$-E(3)$
χ_{10}	1	1	−1	$E(3)$	1	−1	$E(3)$	$-E(3)$	$E(3)^2$	$E(3)$	$-E(3)$	$E(3)^2$	$-E(3)^2$	$E(3)^2$	$-E(3)^2$
χ_{11}	1	1	1	$E(3)^2$	1	1	$E(3)^2$	$E(3)^2$	$E(3)$	$E(3)^2$	$E(3)^2$	$E(3)$	$E(3)$	$E(3)$	$E(3)$
χ_{12}	1	1	1	$E(3)$	1	1	$E(3)$	$E(3)$	$E(3)^2$	$E(3)$	$E(3)$	$E(3)^2$	$E(3)^2$	$E(3)^2$	$E(3)^2$
χ_{13}	2	0	0	2	−2	0	0	0	2	−2	0	0	0	−2	0
χ_{14}	2	0	0	$2*E(3)^2$	−2	0	0	0	$2*E(3)$	$-2*E(3)^2$	0	0	0	$-2*E(3)$	0
χ_{15}	2	0	0	$2*E(3)$	−2	0	0	0	$2*E(3)^2$	$-2*E(3)$	0	0	0	$-2*E(3)^2$	0

Trivial source character table of $G \cong$ C3 x Q8 at $p = 2$:

Normalisers N_i	N_1			N_2			N_3			N_4			N_5			N_6		
p-subgroups of G up to conjugacy in G	P_1			P_2			P_3			P_4			P_5			P_6		
Representatives $n_j \in N_i$	$1a$	$3a$	$3b$	$1a$	$3a$	$3b$	$1a$	$3a$	$3b$	$1a$	$3a$	$3b$	$1a$	$3a$	$3b$	$1a$	$3a$	$3b$
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+2\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+2\cdot\chi_{14}+0\cdot\chi_{15}$	8	$8*E(3)^2$	$8*E(3)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+2\cdot\chi_{15}$	8	$8*E(3)$	$8*E(3)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	$4*E(3)^2$	$4*E(3)$	4	$4*E(3)^2$	$4*E(3)$	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	4	$4*E(3)$	$4*E(3)^2$	4	$4*E(3)$	$4*E(3)^2$	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	$2*E(3)$	$2*E(3)^2$	2	$2*E(3)$	$2*E(3)^2$	2	$2*E(3)$	$2*E(3)^2$	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	$2*E(3)^2$	$2*E(3)$	2	$2*E(3)^2$	$2*E(3)$	2	$2*E(3)^2$	$2*E(3)$	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	2	2	2	2	2	0	0	0	2	2	2	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	$2*E(3)$	$2*E(3)^2$	2	$2*E(3)$	$2*E(3)^2$	0	0	0	2	$2*E(3)$	$2*E(3)^2$	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	$2*E(3)^2$	$2*E(3)$	2	$2*E(3)^2$	$2*E(3)$	0	0	0	2	$2*E(3)^2$	$2*E(3)$	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	2	2	2	2	2	0	0	0	0	0	0	2	2	2	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	$2*E(3)$	$2*E(3)^2$	2	$2*E(3)$	$2*E(3)^2$	0	0	0	0	0	0	2	$2*E(3)$	$2*E(3)^2$	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	2	$2*E(3)^2$	$2*E(3)$	2	$2*E(3)^2$	$2*E(3)$	0	0	0	0	0	0	2	$2*E(3)^2$	$2*E(3)$	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24)]) \cong$ C2
$P_3 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,21)(11,17,19,23)(15,20,22,24)]) \cong$ C4
$P_4 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24), (1,2,5,8)(3,14,10,6)(4,7,12,16)(9,21,18,13)(11,15,19,22)(17,24,23,20)]) \cong$ C4
$P_5 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24), (1,14,5,6)(2,3,8,10)(4,21,12,13)(7,9,16,18)(11,24,19,20)(15,17,22,23)]) \cong$ C4
$P_6 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,21)(11,17,19,23)(15,20,22,24), (1,2,5,8)(3,14,10,6)(4,7,12,16)(9,21,18,13)(11,15,19,22)(17,24,23,20)]) \cong$ Q8

$N_1 = Group([(1,2,5,8)(3,14,10,6)(4,7,12,16)(9,21,18,13)(11,15,19,22)(17,24,23,20), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,21)(11,17,19,23)(15,20,22,24), (1,4,11)(2,7,15)(3,9,17)(5,12,19)(6,13,20)(8,16,22)(10,18,23)(14,21,24), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24)]) \cong$ C3 x Q8
$N_2 = Group([(1,2,5,8)(3,14,10,6)(4,7,12,16)(9,21,18,13)(11,15,19,22)(17,24,23,20), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,21)(11,17,19,23)(15,20,22,24), (1,4,11)(2,7,15)(3,9,17)(5,12,19)(6,13,20)(8,16,22)(10,18,23)(14,21,24), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24)]) \cong$ C3 x Q8
$N_3 = Group([(1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,21)(11,17,19,23)(15,20,22,24), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24), (1,2,5,8)(3,14,10,6)(4,7,12,16)(9,21,18,13)(11,15,19,22)(17,24,23,20), (1,4,11)(2,7,15)(3,9,17)(5,12,19)(6,13,20)(8,16,22)(10,18,23)(14,21,24)]) \cong$ C3 x Q8
$N_4 = Group([(1,2,5,8)(3,14,10,6)(4,7,12,16)(9,21,18,13)(11,15,19,22)(17,24,23,20), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,21)(11,17,19,23)(15,20,22,24), (1,4,11)(2,7,15)(3,9,17)(5,12,19)(6,13,20)(8,16,22)(10,18,23)(14,21,24)]) \cong$ C3 x Q8
$N_5 = Group([(1,14,5,6)(2,3,8,10)(4,21,12,13)(7,9,16,18)(11,24,19,20)(15,17,22,23), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24), (1,2,5,8)(3,14,10,6)(4,7,12,16)(9,21,18,13)(11,15,19,22)(17,24,23,20), (1,4,11)(2,7,15)(3,9,17)(5,12,19)(6,13,20)(8,16,22)(10,18,23)(14,21,24)]) \cong$ C3 x Q8
$N_6 = Group([(1,2,5,8)(3,14,10,6)(4,7,12,16)(9,21,18,13)(11,15,19,22)(17,24,23,20), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,21)(11,17,19,23)(15,20,22,24), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,19)(13,21)(15,22)(17,23)(20,24), (1,4,11)(2,7,15)(3,9,17)(5,12,19)(6,13,20)(8,16,22)(10,18,23)(14,21,24)]) \cong$ C3 x Q8