The group G is isomorphic to the group labelled by [24, 7] in the Small Groups library.

Ordinary character table of $G \cong C2 \times (C3 : C4)$:

	1a	4a	2a	2b	3a	4b	4c	2c	6a	6b	4d	6c
χ_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
χ_3	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
χ_5	1	$-E(4)$	-1	-1	1	$E(4)$	$E(4)$	1	-1	-1	$-E(4)$	1
χ_6	1	$E(4)$	-1	-1	1	$-E(4)$	$-E(4)$	1	-1	-1	$E(4)$	1
χ_7	1	$-E(4)$	1	-1	1	$-E(4)$	$E(4)$	-1	1	-1	$E(4)$	-1
χ_8	1	$E(4)$	1	-1	1	$E(4)$	$-E(4)$	-1	1	-1	$-E(4)$	-1
χ_9	2	0	-2	-2	-1	0	0	2	1	1	0	-1
χ_{10}	2	0	-2	2	-1	0	0	-2	1	-1	0	1
χ_{11}	2	0	2	-2	-1	0	0	-2	-1	1	0	1
χ_{12}	2	0	2	2	-1	0	0	2	-1	-1	0	-1

Trivial source character table of $G \cong C2 \times (C3 : C4)$ at $p = 3$:

Normalisers N_i	N_1								N_2							
p-subgroups of G up to conjugacy in G	P_1								P_2							
Representatives $n_j \in N_i$	1a	4a	2a	2b	4b	4c	2c	4d	1a	2a	4a	2b	4b	2c	4c	4d
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}$	3	1	3	3	1	1	3	1	0	0	0	0	0	0	0	0
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	3	-1	-3	3	1	-1	-3	1	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}$	3	-1	3	3	-1	-1	3	-1	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	3	1	-3	3	-1	1	-3	-1	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	3	$-E(4)$	-3	-3	$E(4)$	$E(4)$	3	$-E(4)$	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	3	$E(4)$	-3	-3	$-E(4)$	$-E(4)$	3	$E(4)$	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}$	3	$-E(4)$	3	-3	$-E(4)$	$E(4)$	-3	$E(4)$	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}$	3	$E(4)$	3	-3	$E(4)$	$-E(4)$	-3	$-E(4)$	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	1	-1	1	-1	1	-1	-1	1	-1	1	1	-1	-1	1	-1
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	-1	1	1	-1	-1	1	-1	1	1	-1	1	-1	1	-1	-1
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	$-E(4)$	1	-1	$-E(4)$	$E(4)$	-1	$E(4)$	1	1	$-E(4)$	-1	$-E(4)$	-1	$E(4)$	$E(4)$
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	$E(4)$	1	-1	$E(4)$	$-E(4)$	-1	$-E(4)$	1	1	$E(4)$	-1	$E(4)$	-1	$-E(4)$	$-E(4)$
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	$E(4)$	-1	-1	$-E(4)$	$-E(4)$	1	$E(4)$	1	-1	$E(4)$	-1	$-E(4)$	1	$-E(4)$	$E(4)$
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}$	1	$-E(4)$	-1	-1	$E(4)$	$E(4)$	1	$-E(4)$	1	-1	$-E(4)$	-1	$E(4)$	1	$E(4)$	$-E(4)$

$P_1 = Group([()]) \cong 1$

$P_2 = Group([(1, 12, 5)(2, 16, 8)(3, 18, 10)(4, 19, 11)(6, 21, 14)(7, 22, 15)(9, 23, 17)(13, 24, 20)]) \cong C3$

$N_1 = Group([(1, 2, 4, 7)(3, 6, 9, 13)(5, 16, 11, 22)(8, 19, 15, 12)(10, 21, 17, 24)(14, 23, 20, 18), (1, 3)(2, 6)(4, 9)(5, 10)(7, 13)(8, 14)(11, 17)(12, 18)(15, 20)(16, 21)(19, 23)(22, 24), (1, 4)(2, 7)(3, 9)(5, 11)(6, 13)(8, 15)(10, 17)(12, 19)(14, 20)(16, 22)(18, 23)(21, 24), (1, 5, 12)(2, 8, 16)(3, 10, 18)(4, 11, 19)(6, 14, 21)(7, 15, 22)(9, 17, 23)(13, 20, 24)]) \cong C2 \times (C3 : C4)$

$N_2 = Group([(1, 12, 5)(2, 16, 8)(3, 18, 10)(4, 19, 11)(6, 21, 14)(7, 22, 15)(9, 23, 17)(13, 24, 20), (1, 2, 4, 7)(3, 6, 9, 13)(5, 16, 11, 22)(8, 19, 15, 12)(10, 21, 17, 24)(14, 23, 20, 18), (1, 3)(2, 6)(4, 9)(5, 10)(7, 13)(8, 14)(11, 17)(12, 18)(15, 20)(16, 21)(19, 23)(22, 24)]) \cong C2 \times (C3 : C4)$