

The group G is isomorphic to the group labelled by [48, 49] in the Small Groups library.
 Ordinary character table of $G \cong C2 \times C2 \times A4$:

	1a	2a	2b	3a	2c	2d	6a	2e	6b	2f	3b	6c	2g	6d	6e	6f
χ_1	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	1
χ_3	1	-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	-1
χ_5	1	-1	-1	$E(3)^2$	1	1	$-E(3)^2$	-1	$-E(3)^2$	-1	$E(3)$	$E(3)^2$	1	$-E(3)$	$-E(3)$	$E(3)$
χ_6	1	-1	-1	$E(3)$	1	1	$-E(3)$	-1	$-E(3)$	-1	$E(3)^2$	$E(3)$	1	$-E(3)^2$	$-E(3)^2$	$E(3)^2$
χ_7	1	-1	1	$E(3)^2$	1	-1	$-E(3)^2$	-1	$E(3)^2$	1	$E(3)$	$-E(3)^2$	-1	$-E(3)$	$E(3)$	$-E(3)$
χ_8	1	-1	1	$E(3)$	1	-1	$-E(3)$	-1	$E(3)$	1	$E(3)^2$	$-E(3)$	-1	$-E(3)^2$	$E(3)^2$	$-E(3)^2$
χ_9	1	1	-1	$E(3)^2$	1	-1	$E(3)^2$	1	$-E(3)^2$	-1	$E(3)$	$-E(3)^2$	-1	$E(3)$	$-E(3)$	$-E(3)$
χ_{10}	1	1	-1	$E(3)$	1	-1	$E(3)$	1	$-E(3)$	-1	$E(3)^2$	$-E(3)$	-1	$E(3)^2$	$-E(3)^2$	$-E(3)^2$
χ_{11}	1	1	1	$E(3)^2$	1	1	$E(3)^2$	1	$E(3)^2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)$	$E(3)$
χ_{12}	1	1	1	$E(3)$	1	1	$E(3)$	1	$E(3)$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)^2$	$E(3)^2$
χ_{13}	3	-3	-3	0	-1	3	0	1	0	1	0	0	-1	0	0	0
χ_{14}	3	-3	3	0	-1	-3	0	1	0	-1	0	0	1	0	0	0
χ_{15}	3	3	-3	0	-1	-3	0	-1	0	1	0	0	1	0	0	0
χ_{16}	3	3	3	0	-1	3	0	-1	0	-1	0	0	-1	0	0	0

Trivial source character table of $G \cong C2 \times C2 \times A4$ 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	2a	2b	2c	2d	2e	2f	2g	1a	2b	2a	2c
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	3	3	3	3	3	3	3	3	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	3	-3	-3	3	3	-3	-3	3	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	3	-3	3	3	-3	-3	3	-3	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	3	3	-3	3	-3	3	-3	-3	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	3	-3	-3	-1	3	1	1	-1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	3	-3	3	-1	-3	1	-1	1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16}$	3	3	-3	-1	-3	-1	1	1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16}$	3	3	3	-1	3	-1	-1	-1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	1	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	1	1	-1	1	-1	1	-1	-1	1	-1	1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	1	-1	1	1	-1	-1	1	-1	1	1	-1	-1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	1	-1	-1	1	1	-1	-1	1	1	-1	-1	1

$P_1 = \text{Group}(\{\}) \cong 1$
 $P_2 = \text{Group}([(1, 4, 14)(2, 8, 21)(3, 11, 25)(5, 16, 42)(6, 31, 29)(7, 18, 32)(9, 23, 46)(10, 38, 36)(12, 27, 47)(13, 41, 39)(15, 30, 17)(19, 34, 48)(20, 45, 43)(22, 37, 24)(26, 40, 28)(33, 44, 35)]) \cong C3$

$N_1 = \text{Group}([(1, 2)(3, 7)(4, 8)(5, 9)(6, 10)(11, 18)(12, 19)(13, 20)(14, 21)(15, 22)(16, 23)(17, 24)(25, 32)(26, 33)(27, 34)(28, 35)(29, 36)(30, 37)(31, 38)(39, 43)(40, 44)(41, 45)(42, 46)(47, 48), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 4, 14)(2, 8, 21)(3, 11, 25)(5, 16, 42)(6, 31, 29)(7, 18, 32)(9, 23, 46)(10, 38, 36)(12, 27, 47)(13, 41, 39)(15, 30, 17)(19, 34, 48)(20, 45, 43)(22, 37, 24)(26, 40, 28)(33, 44, 35), (1, 5)(2, 9)(3, 12)(4, 15)(6, 17)(7, 19)(8, 22)(10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 6)(2, 10)(3, 13)(4, 16)(5, 17)(7, 20)(8, 23)(9, 24)(11, 27)(12, 28)(14, 30)(15, 31)(18, 34)(19, 35)(21, 37)(22, 38)(25, 40)(26, 41)(29, 42)(32, 44)(33, 45)(36, 46)(39, 47)(43, 48)]) \cong C2 \times C2 \times A4$
 $N_2 = \text{Group}([(1, 4, 14)(2, 8, 21)(3, 11, 25)(5, 16, 42)(6, 31, 29)(7, 18, 32)(9, 23, 46)(10, 38, 36)(12, 27, 47)(13, 41, 39)(15, 30, 17)(19, 34, 48)(20, 45, 43)(22, 37, 24)(26, 40, 28)(33, 44, 35), (1, 2)(3, 7)(4, 8)(5, 9)(6, 10)(11, 18)(12, 19)(13, 20)(14, 21)(15, 22)(16, 23)(17, 24)(25, 32)(26, 33)(27, 34)(28, 35)(29, 36)(30, 37)(31, 38)(39, 43)(40, 44)(41, 45)(42, 46)(47, 48), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48)]) \cong C6 \times C2$