The group G is isomorphic to the group labelled by [72, 40] in the Small Groups library.
Ordinary character table of $G \cong$ (S3 x S3) : C2:

	1a	2a	2b	3a	6a	2c	4a	6b	3b
χ_1	1	1	1	1	1	1	1	1	1
χ_2	1	−1	1	1	−1	−1	1	−1	1
χ_3	1	−1	1	1	−1	1	−1	1	1
χ_4	1	1	1	1	1	−1	−1	−1	1
χ_5	2	0	−2	2	0	0	0	0	2
χ_6	4	−2	0	1	1	0	0	0	−2
χ_7	4	0	0	−2	0	−2	0	1	1
χ_8	4	0	0	−2	0	2	0	−1	1
χ_9	4	2	0	1	−1	0	0	0	−2

Trivial source character table of $G \cong$ (S3 x S3) : C2 at $p = 2$:

Normalisers N_i	N_1			N_2	N_3		N_4		N_5	N_6	N_7	N_8
p-subgroups of G up to conjugacy in G	P_1			P_2	P_3		P_4		P_5	P_6	P_7	P_8
Representatives $n_j \in N_i$	1a	3a	3b	1a	1a	3a	1a	3a	1a	1a	1a	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 2 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	8	8	8	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9$	8	−4	2	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9$	8	2	−4	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	4	4	4	4	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	4	4	4	0	2	2	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9$	4	−2	1	0	2	−1	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	4	4	4	0	0	0	2	2	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9$	4	1	−2	0	0	0	2	−1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	2	2	2	2	2	2	0	0	2	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	2	2	2	2	0	0	2	2	0	2	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	2	2	2	2	0	0	0	0	0	0	2	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(3,5)(4,6)]) \cong$ C2
$P_3 = Group([(1,2)(3,4)(5,6)]) \cong$ C2
$P_4 = Group([(3,5)]) \cong$ C2
$P_5 = Group([(3,5)(4,6),(1,2)(3,4)(5,6)]) \cong$ C2 x C2
$P_6 = Group([(3,5)(4,6),(3,5)]) \cong$ C2 x C2
$P_7 = Group([(3,5)(4,6),(1,2)(3,4,5,6)]) \cong$ C4
$P_8 = Group([(3,5)(4,6),(1,2)(3,4)(5,6),(3,5)]) \cong$ D8

$N_1 = Group([(3,5),(1,2)(3,4)(5,6),(3,5)(4,6),(1,3,5),(2,4,6)]) \cong$ (S3 x S3) : C2
$N_2 = Group([(3,5)(4,6),(4,6),(3,5),(1,2)(3,4)(5,6)]) \cong$ D8
$N_3 = Group([(1,2)(3,4)(5,6),(1,5)(2,6),(1,5,3)(2,6,4)]) \cong$ D12
$N_4 = Group([(3,5),(4,6),(2,6,4)]) \cong$ D12
$N_5 = Group([(1,2)(3,4)(5,6),(3,5)(4,6),(4,6)]) \cong$ D8
$N_6 = Group([(4,6),(3,5)(4,6),(1,2)(3,4,5,6)]) \cong$ D8
$N_7 = Group([(1,2)(3,4,5,6),(3,5)(4,6),(4,6)]) \cong$ D8
$N_8 = Group([(4,6),(1,2)(3,6)(4,5),(3,5)(4,6)]) \cong$ D8