The group G is isomorphic to the group labelled by [16, 12] in the Small Groups library.
Ordinary character table of $G \cong$ C2 x Q8:

	$1a$	$4a$	$4b$	$2a$	$2b$	$4c$	$4d$	$4e$	$2c$	$4f$
χ_1	1	1	1	1	1	1	1	1	1	1
χ_2	1	-1	-1	-1	1	1	1	1	-1	-1
χ_3	1	-1	-1	1	1	1	-1	-1	1	1
χ_4	1	-1	1	-1	1	-1	1	-1	-1	1
χ_5	1	-1	1	1	1	-1	-1	1	1	-1
χ_6	1	1	-1	-1	1	-1	-1	1	-1	1
χ_7	1	1	-1	1	1	-1	1	-1	1	-1
χ_8	1	1	1	-1	1	1	-1	-1	-1	-1
χ_9	2	0	0	2	-2	0	0	0	-2	0
χ_{10}	2	0	0	-2	-2	0	0	0	2	0

Trivial source character table of $G \cong$ C2 x Q8 at $p = 2$:

Normalisers N_i	N_1	N_2	N_3	N_4	N_5	N_6	N_7	N_8	N_9	N_{10}	N_{11}	N_{12}	N_{13}	N_{14}	N_{15}	N_{16}	N_{17}	N_{18}	N_{19}
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	P_9	P_{10}	P_{11}	P_{12}	P_{13}	P_{14}	P_{15}	P_{16}	P_{17}	P_{18}	P_{19}
Representatives $n_j \in N_i$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+2\cdot\chi_9+2\cdot\chi_{10}$	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+2\cdot\chi_9+0\cdot\chi_{10}$	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+2\cdot\chi_{10}$	8	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	4	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	4	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	4	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	4	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	4	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	4	4	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	2	2	0	0	0	2	0	2	0	2	0	2	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	2	2	2	2	2	0	0	2	2	0	0	0	2	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	2	2	0	0	0	0	2	2	0	0	2	0	0	2	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	2	2	2	2	2	2	2	0	0	0	0	0	0	0	2	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	2	2	0	0	0	2	0	0	2	0	2	0	0	0	0	2	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	2	2	2	2	2	0	0	0	0	2	2	0	0	0	0	0	2	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	2	2	0	0	0	0	2	0	2	2	0	0	0	0	0	0	0	2	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16)]) \cong$ C2
$P_3 = Group([(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16)]) \cong$ C2
$P_4 = Group([(1,11)(2,14)(3,15)(4,5)(6,16)(7,8)(9,10)(12,13)]) \cong$ C2
$P_5 = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16)]) \cong$ C2 x C2
$P_6 = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16)]) \cong$ C4
$P_7 = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,9,5,15)(2,12,8,16)(3,11,10,4)(6,14,13,7)]) \cong$ C4
$P_8 = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12)]) \cong$ C4
$P_9 = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,7,5,14)(2,11,8,4)(3,16,10,12)(6,9,13,15)]) \cong$ C4
$P_{10} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,13,5,6)(2,3,8,10)(4,16,11,12)(7,9,14,15)]) \cong$ C4
$P_{11} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,16,5,12)(2,9,8,15)(3,14,10,7)(4,13,11,6)]) \cong$ C4
$P_{12} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12)]) \cong$ Q8
$P_{13} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12)]) \cong$ C4 x C2
$P_{14} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,9,5,15)(2,12,8,16)(3,11,10,4)(6,14,13,7),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12)]) \cong$ Q8
$P_{15} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16)]) \cong$ C4 x C2
$P_{16} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,7,5,14)(2,11,8,4)(3,16,10,12)(6,9,13,15)]) \cong$ Q8
$P_{17} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,13,5,6)(2,3,8,10)(4,16,11,12)(7,9,14,15)]) \cong$ C4 x C2
$P_{18} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,9,5,15)(2,12,8,16)(3,11,10,4)(6,14,13,7),(1,7,5,14)(2,11,8,4)(3,16,10,12)(6,9,13,15)]) \cong$ Q8
$P_{19} = Group([(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12)]) \cong$ C2 x Q8

$N_1 = Group([(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16)]) \cong$ C2 x Q8
$N_2 = Group([(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16)]) \cong$ C2 x Q8
$N_3 = Group([(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16)]) \cong$ C2 x Q8
$N_4 = Group([(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16)]) \cong$ C2 x Q8
$N_5 = Group([(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16)]) \cong$ C2 x Q8
$N_6 = Group([(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16)]) \cong$ C2 x Q8
$N_7 = Group([(1,9,5,15)(2,12,8,16)(3,11,10,4)(6,14,13,7),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16)]) \cong$ C2 x Q8
$N_8 = Group([(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16)]) \cong$ C2 x Q8
$N_9 = Group([(1,7,5,14)(2,11,8,4)(3,16,10,12)(6,9,13,15),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16)]) \cong$ C2 x Q8
$N_{10} = Group([(1,13,5,6)(2,3,8,10)(4,16,11,12)(7,9,14,15),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16)]) \cong$ C2 x Q8
$N_{11} = Group([(1,16,5,12)(2,9,8,15)(3,14,10,7)(4,13,11,6),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16)]) \cong$ C2 x Q8
$N_{12} = Group([(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16)]) \cong$ C2 x Q8
$N_{13} = Group([(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16)]) \cong$ C2 x Q8
$N_{14} = Group([(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,9,5,15)(2,12,8,16)(3,11,10,4)(6,14,13,7),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16)]) \cong$ C2 x Q8
$N_{15} = Group([(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12)]) \cong$ C2 x Q8
$N_{16} = Group([(1,7,5,14)(2,11,8,4)(3,16,10,12)(6,9,13,15),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12)]) \cong$ C2 x Q8
$N_{17} = Group([(1,13,5,6)(2,3,8,10)(4,16,11,12)(7,9,14,15),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12)]) \cong$ C2 x Q8
$N_{18} = Group([(1,7,5,14)(2,11,8,4)(3,16,10,12)(6,9,13,15),(1,9,5,15)(2,12,8,16)(3,11,10,4)(6,14,13,7),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16),(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12)]) \cong$ C2 x Q8
$N_{19} = Group([(1,2,5,8)(3,13,10,6)(4,7,11,14)(9,16,15,12),(1,3,5,10)(2,6,8,13)(4,9,11,15)(7,12,14,16),(1,4)(2,7)(3,9)(5,11)(6,12)(8,14)(10,15)(13,16),(1,5)(2,8)(3,10)(4,11)(6,13)(7,14)(9,15)(12,16)]) \cong$ C2 x Q8