The group G is isomorphic to the group labelled by [48, 15] in the Small Groups library

Trivial source	character t	able of G	$G \cong (C3)$	x D8):	C2 at	p=2

Ordinary character table of $G \cong (C3 \times D8) : C2$:

Normalisers N_i	1	V_1	I	V_2		N_3		N_4	I	V_5		N_6		N_7		N_8	N_9	N_{10}	N_{11}
p-subgroups of G up to conjugacy in G	1	2	1	\mathcal{P}_2		P_3		P_4	I	5		P_6		P_7	I	P_8	P_9	P_{10}	P_{11}
Representatives $n_j \in N_i$	1a	3a	1a	3a	1a	3b	3a	1a	1 <i>a</i>	3a	1a	3a	3b	1a	1 <i>a</i>	3a	1a	1 <i>a</i>	1 <i>a</i>
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 2 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 2 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	16	16	0	0	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 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 2 \cdot \chi_{12} $	16	-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 2 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	-4	8	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	8	0	0	2	2	2	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 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} $	8	-4	0	0	2	$2 * E(3)^2$	2 * E(3)	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	8	-4	0	0	2	2 * E(3)	$2 * E(3)^2$	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	8	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	0	0	0	0	4	4	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 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} $	4	-2	4	-2	0	0	0	0	4	-2	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	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 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} $	4	-2	4	-2	2	2 * E(3)	$2*E(3)^2$	0	0	0	2	$2*E(3)^2$	2 * E(3)	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} $	4	-2	4	-2	2	$2 * E(3)^2$	2 * E(3)	0	0	0	2	2 * E(3)	$2 * E(3)^2$	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	2	0	2	2	2	2	2	0	2	2	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	-1	2	-1	2	-1	-1	0	2	-1	2	-1	-1	0	2	-1	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	0	0	0	2	2	2	0	0	0	2	0	0	2	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	0	0	0	0	2	2	0	0	0	0	0	0	0	2	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

- $P_2 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48)]) \cong C2(3,32)(3,32)(4,32)(4,33$ $P_3 = Group([(1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46)]) \cong C2(3,34)(3,34$
- $P_4 = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43)]) \cong \mathbb{C}_2$
- $P_6 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46)] \\ \cong C_2 \times C_2 \times C_3 \times C_3 \times C_4 \times C$
- $P_7 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43)] \\ \cong C_2 \times C_2 \times C_3 \times C$
- $P_9 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(29,37)(30,36)(34,47)(39,45)(41,43)(21$
- $P_{10} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(6,15,16,29)(7,18,19,32)(10,22,33,36)(13,24,26,37,27,38,39,46)(17,30,31,42)(20,33,34,43)(24,37,36,28)(13,24,26,37,27,38,39,46)(17,30,31,42)(20,33,34,43)(24,37,36,28)(17,30,31,42)(20,33,34,43)(24,33,34,43)(2$
- $P_{11} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(6,13)(24,34)(24,35)(24,34)($

 $N_2 = Group([1,2)(3,18)(4,21)(2,33)(24,34)(24,35)(24,34)$

 $\chi_2 \mid 1 -1 -1 1 1 1 1 1$

 $|\chi_4|$ 1 1 -1 1 1 1 -1 -1 1 1 -1 $\chi_5 \mid 2 \quad 0 \quad 0 \quad -2 \quad 2 \quad 2 \quad 0 \quad 0 \quad -2 \quad 2 \quad 0$ $\chi_6 \mid 2 \quad 0 \quad -2 \quad 2 \quad 2 \quad -1 \quad 0 \quad 1 \quad -1 \quad -1 \quad 0$ $\chi_7 \mid 2 \quad 0 \quad 2 \quad 2 \quad 2 \quad -1 \quad 0 \quad -1 \quad -1 \quad -1 \quad 0$ $\chi_8 \mid 2 \quad 0 \quad 0 \quad 0 \quad -2 \quad 2 \quad -E(8) + E(8)^3 \quad 0 \quad 0 \quad -2 \quad E(8) - E(8)^3$ $\chi_9 \mid 2 \quad 0 \quad 0 \quad 0 \quad -2 \quad 2 \quad E(8) - E(8)^3 \quad 0 \quad 0 \quad -2 \quad -E(8) + E(8)^3$

 $\chi_{12} \mid 4 \quad 0 \quad 0 \quad 0 \quad -4 \quad -2 \qquad \qquad 0 \qquad \qquad 0 \qquad \qquad 0 \qquad \qquad 2 \qquad \qquad 0$

 $\chi_{10} \mid 2 \quad 0 \quad 0 \quad -2 \quad 2 \quad -1 \quad 0 \quad -E(3) + E(3)^2 \quad 1 \quad -1 \quad 0 \quad E(3) - E(3)^2$ $\chi_{11} \mid 2 \quad 0 \quad 0 \quad -2 \quad 2 \quad -1 \quad 0 \quad E(3) - E(3)^2 \quad 1 \quad -1 \quad 0 \quad -E(3) + E(3)^2$

- $N_4 = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48)] \\ \cong C_2 \times C_2 \times C_3 \times C$
- $N_6 = Group([1,3)(2,7)(4,25)(5,12)(6,13)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,23)(11,25)(6,13,14)(22,33)(12,43)(24,37,38,46)(28,40,41,47)(35,44,48)(11,25)(6,13)(4,48)(12,36,46)(28,40,41,47)(35,44,48)(11,25)(6,13,44)(12,36,46)(28,40,41,47)(36,44,48)(11,25)(13,27)(14,29,42)(14,38)(14,29,42)(14,38)(14,29,42)(14,38)($
- $N_7 = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(28,33)(29,37)(30,36)(24,47)(39,45)(13,26)(27,39)(17,30,31,42)(20,33,44)(15,46)(16,38)(19,25)(20,34)(22,36)(24,38)(26,37)(30,36)(34,47)(39,45)(41,43)(41,47)(35,44,45)(28,34)(28,37)(30,36)(41,47)(41,48)(41,48)(41,4$
- $N_9 = Group([1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,32)(23,34)(24,37)(34,43)(34,43)(34,$
- $N_{10} = Group([(1,18,4,19,5,32,14,7)(2,33,44)(24,37,38,46)(17,31)(18,32)(20,34)(22,33)(13,42)(20,34,43)(24,37,38,46)(17,31,42)(20,33,44)(22,33)(24,37,38,46)(17,31,42)(20,33,44)(24,37,38,46)(28,41,47)(35,44,45,48)(17,31)(18,32)(20,34)(22,33)(24,31,42)(20,33,44)(24,37,38,46)(2$
- $N_{11} = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(15,39)(16,27)(17,28)(13,44)(23,34)(24,37)(26,39)(27,48)(28,31)(26,37)(26,39)(27,48)(28,31)(26,39)(27,48)(28,31)(26,39)(27,48)(28,31)(26,39)(27,48)(28,31)(26,39)(27,48)(28,31)(26,39)(27,48)(28,31)(26,39)(27,48)(28,31)(26,39)(27,48)(28,31)(26,39)(28,41)(30,42)(33,43)(26,39)(28,41)(30,42)(33,43)(26,39)(28,41)(30,42)(33,43)(26,39)(28,41)(30,42)(33,43)(26,39)(28,41)(30,42)(33,43)(35,45)(37,48)(38,45)(40,47)(44,48)(38,45)(40,47)(44,48)(38,45)(40,47)(44,48)(38,45)(40,47)(44,48)(38,45)(40,47)(44,48)(38,45)(40,47)(44,48)(38,45)(40,47)(44,48)(38,45)(40,47)(44,48)(38,45)(40,47)(44,48)(38,45)(40,47)(48,48)(38,45)(40,47)(48,48)(38,45)(40,47)(48,48)(48,47)(48,48)$