The group $G$ is isomorphic to the group labelled by [ 48, 33 ] in the Small Groups library.
Ordinary character table of $G \cong$ ((C4 x C2) : C2) : C3:

| | 1a | 4a | 3a | 4b | 2a | 12a | 2b | 4c | 3b | 6a | 12b | 12c | 6b | 12d |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $\chi_1$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_2$ | 1 | $-1$ | 1 | 1 | 1 | $-1$ | $-1$ | $-1$ | 1 | 1 | $-1$ | $-1$ | 1 | $-1$ |
| $\chi_3$ | 1 | $-1$ | $E(3)^2$ | 1 | 1 | $-E(3)^2$ | $-1$ | $-1$ | $E(3)$ | $E(3)^2$ | $-E(3)$ | $-E(3)^2$ | $E(3)$ | $-E(3)$ |
| $\chi_4$ | 1 | $-1$ | $E(3)$ | 1 | 1 | $-E(3)$ | $-1$ | $-1$ | $E(3)^2$ | $E(3)$ | $-E(3)^2$ | $-E(3)$ | $E(3)^2$ | $-E(3)^2$ |
| $\chi_5$ | 1 | 1 | $E(3)^2$ | 1 | 1 | $E(3)^2$ | 1 | 1 | $E(3)$ | $E(3)^2$ | $E(3)$ | $E(3)^2$ | $E(3)$ | $E(3)$ |
| $\chi_6$ | 1 | 1 | $E(3)$ | 1 | 1 | $E(3)$ | 1 | 1 | $E(3)^2$ | $E(3)$ | $E(3)^2$ | $E(3)$ | $E(3)^2$ | $E(3)^2$ |
| $\chi_7$ | 2 | $-2*E(4)$ | $-1$ | 0 | $-2$ | $E(4)$ | 0 | $2*E(4)$ | $-1$ | 1 | $E(4)$ | $-E(4)$ | 1 | $-E(4)$ |
| $\chi_8$ | 2 | $2*E(4)$ | $-1$ | 0 | $-2$ | $-E(4)$ | 0 | $-2*E(4)$ | $-1$ | 1 | $-E(4)$ | $E(4)$ | 1 | $E(4)$ |
| $\chi_9$ | 2 | $-2*E(4)$ | $-E(3)$ | 0 | $-2$ | $E(12)^7$ | 0 | $2*E(4)$ | $-E(3)^2$ | $E(3)$ | $E(12)^{11}$ | $-E(12)^7$ | $E(3)^2$ | $-E(12)^{11}$ |
| $\chi_{10}$ | 2 | $-2*E(4)$ | $-E(3)^2$ | 0 | $-2$ | $E(12)^{11}$ | 0 | $2*E(4)$ | $-E(3)$ | $E(3)^2$ | $E(12)^7$ | $-E(12)^{11}$ | $E(3)$ | $-E(12)^7$ |
| $\chi_{11}$ | 2 | $2*E(4)$ | $-E(3)$ | 0 | $-2$ | $-E(12)^7$ | 0 | $-2*E(4)$ | $-E(3)^2$ | $E(3)$ | $-E(12)^{11}$ | $E(12)^7$ | $E(3)^2$ | $E(12)^{11}$ |
| $\chi_{12}$ | 2 | $2*E(4)$ | $-E(3)^2$ | 0 | $-2$ | $-E(12)^{11}$ | 0 | $-2*E(4)$ | $-E(3)$ | $E(3)^2$ | $-E(12)^7$ | $E(12)^{11}$ | $E(3)$ | $E(12)^7$ |
| $\chi_{13}$ | 3 | $-3$ | 0 | $-1$ | 3 | 0 | 1 | $-3$ | 0 | 0 | 0 | 0 | 0 | 0 |
| $\chi_{14}$ | 3 | 3 | 0 | $-1$ | 3 | 0 | $-1$ | 3 | 0 | 0 | 0 | 0 | 0 | 0 |

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

| Normalisers $N_i$ | $N_1$ | | | | | | $N_2$ | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $3$-subgroups of $G$ up to conjugacy in $G$ | $P_1$ | | | | | | $P_2$ | | | |
| Representatives $n_j \in N_i$ | 1a | 4a | 4b | 2a | 2b | 4c | 1a | 4a | 2a | 4b |
| $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$ | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$ | 3 | $-3$ | 3 | 3 | $-3$ | $-3$ | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$ | 6 | $6*E(4)$ | 0 | $-6$ | 0 | $-6*E(4)$ | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$ | 6 | $-6*E(4)$ | 0 | $-6$ | 0 | $6*E(4)$ | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14}$ | 3 | $-3$ | $-1$ | 3 | 1 | $-3$ | 0 | 0 | 0 | 0 |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}$ | 3 | 3 | $-1$ | 3 | $-1$ | 3 | 0 | 0 | 0 | 0 |
| $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$ | 1 | $-1$ | 1 | 1 | $-1$ | $-1$ | 1 | $-1$ | 1 | $-1$ |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$ | 4 | $4*E(4)$ | 0 | $-4$ | 0 | $-4*E(4)$ | 1 | $E(4)$ | $-1$ | $-E(4)$ |
| $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$ | 4 | $-4*E(4)$ | 0 | $-4$ | 0 | $4*E(4)$ | 1 | $-E(4)$ | $-1$ | $E(4)$ |

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

$N_1 = Group([(1,2,6,10)(3,7,14,21)(4,8,16,23)(5,9,17,24)(11,18,27,34)(12,19,29,36)(13,20,30,37)(15,22,31,38)(25,32,40,44)(26,33,41,45)(28,35,42,46)(39,43,47,48), (1,3,11)(2,7,18)(4,13,39)(5,28,25)(6,14,27)(8,20,43)(9,35,32)(10,21,34)(12,26,15)(16,30,47)(17,42,40)(19,33,22)(23,37,48)(24,46,44)(29,41,31)(36,45,38), (1,4,6,16)(2,8,10,23)(3,12,14,29)(5,31,17,15)(7,19,21,36)(9,38,24,22)(11,25,27,40)(13,42,30,28)(18,32,34,44)(20,46,37,35)(26,47,41,39)(33,48,45,43), (1,5,6,17)(2,9,10,24)(3,13,14,30)(4,15,16,31)(7,20,21,37)(8,22,23,38)(11,26,27,41)(12,28,29,42)(18,33,34,45)(19,35,36,46)(25,39,40,47)(32,43,44,48), (1,6)(2,10)(3,14)(4,16)(5,17)(7,21)(8,23)(9,24)(11,27)(12,29)(13,30)(15,31)(18,34)(19,36)(20,37)(22,38)(25,40)(26,41)(28,42)(32,44)(33,45)(35,46)(39,47)(43,48)]) \cong ((C4 x C2) : C2) : C3$
$N_2 = Group([(1,3,11)(2,7,18)(4,13,39)(5,28,25)(6,14,27)(8,20,43)(9,35,32)(10,21,34)(12,26,15)(16,30,47)(17,42,40)(19,33,22)(23,37,48)(24,46,44)(29,41,31)(36,45,38), (1,2,6,10)(3,7,14,21)(4,8,16,23)(5,9,17,24)(11,18,27,34)(12,19,29,36)(13,20,30,37)(15,22,31,38)(25,32,40,44)(26,33,41,45)(28,35,42,46)(39,43,47,48)]) \cong C12$