The group G is isomorphic to the group labelled by [48, 16] in the Small Groups library. Ordinary character table of $G \cong (C3 : Q8) : C2$:

Trivial source character table of $G \cong (C3 : Q8) : C2$ at $p = 3$:

Normansers IV _i						1 v 1					1.4.2		
p-subgroups of G up to conjugacy in G						P_1					P_2		
Representatives $n_j \in N_i$	1a	4a	2a	4b	2b	8a	8b	1a	2a	4a	2b $8a$	4b	8b
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	1	3	3	3	1	1	0	0	0	0 0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	-1	3	3	3	-1	-1	0	0	0	0 0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	-1	-3	3	3	1	1	0	0	0	0 0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	1	-3	3	3	-1	-1	0	0	0	0 0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	6	0	0	-6	6	0	0	0	0	0	0 0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	6	0	0	0	-6	$-E(8) - E(8)^3$	$E(8) + E(8)^3$	0	0	0	0 0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	6	0	0	0	-6	$E(8) + E(8)^3$	$-E(8) - E(8)^3$	0	0	0	0 0	0	0
$\boxed{0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}}$		-1	-1	1	1	1	1	1	-1	-1	1 1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	-1	1	1	-1	-1	1	-1	1	1 -1	1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	1	1	1	-1	-1	1	1	-1	1 -1	1	-1
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1	1	1	1 1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$		0	0	0	-2	$-E(8) - E(8)^3$	$E(8) + E(8)^3$	2	0	0	$-2 - E(8) - E(8)^3$	0	$E(8) + E(8)^3$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$		0	0	0	-2	$E(8) + E(8)^3$	$-E(8) - E(8)^3$	2	0	0	$-2 E(8) + E(8)^3$	0	$-E(8) - E(8)^3$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$		0	0	-2	2	0	0	2	0	0	2 0	-2	0

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

 $N_1 = Group([(1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44)(24,35)(26,39)(34,43)(24,35)(26,39)(34,43)(24,35)(26,39)(34,43)(24,35)(26,39)(34,43)(24,35)(26,39)(34,43)(34,43)(24,35)(26,39)(34,43)(3$

	1a	4a	2a	4b	2b	3a	8a	6a	12a	6b	8b	6c
χ_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
χ_3	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
χ_5	2	0	0	-2	2	2	0	0	-2	2	0	0
χ_6	2	0	-2	2	2	-1	0	1	-1	-1	0	1
χ_7	2	0	2	2	2	-1	0	-1	-1	-1	0	-1
χ_8	2	0	0	0	-2	2	$-E(8) - E(8)^3$	0	0	-2	$E(8) + E(8)^3$	0
χ_9	2	0	0	0	-2	2	$E(8) + E(8)^3$	0	0	-2	$-E(8) - E(8)^3$	0
χ_{10}	2	0	0	-2	2	-1	0	$-E(3) + E(3)^2$	1	-1	0	$E(3) - E(3)^2$
χ_{11}	2	0	0	-2	2	-1	0	$E(3) - E(3)^2$	1	-1	0	$-E(3) + E(3)^2$
χ_{12}	4	0	0	0	-4	-2	0	0	0	2	0	0