The group G is isomorphic to the group labelled by [32, 50] in the Small Groups library.
Ordinary character table of $G \cong$ (C2 x Q8) : C2:

	1a	2a	4a	4b	2b	2c	2d	4c	4d	4e	4f	4g	2e	4h	2f	4i	4j
χ_1	1	1	1	1	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	−1	1	−1	−1	−1
χ_3	1	1	1	−1	1	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	−1	−1	1	1	1
χ_5	1	1	−1	1	1	1	−1	1	1	−1	−1	1	−1	−1	1	−1	−1
χ_6	1	1	−1	1	−1	1	−1	1	−1	−1	1	−1	−1	1	−1	1	1
χ_7	1	1	−1	−1	1	1	−1	−1	1	1	−1	−1	1	−1	−1	1	1
χ_8	1	1	−1	−1	−1	1	−1	−1	−1	1	1	1	1	1	1	−1	−1
χ_9	1	−1	1	1	1	1	−1	−1	−1	1	1	1	−1	−1	−1	1	−1
χ_{10}	1	−1	1	1	−1	1	−1	−1	1	1	−1	−1	−1	1	1	−1	1
χ_{11}	1	−1	1	−1	1	1	−1	1	−1	−1	1	−1	1	−1	1	−1	1
χ_{12}	1	−1	1	−1	−1	1	−1	1	1	−1	−1	1	1	1	−1	1	−1
χ_{13}	1	−1	−1	1	1	1	1	−1	−1	−1	−1	1	1	1	−1	−1	1
χ_{14}	1	−1	−1	1	−1	1	1	−1	1	−1	1	−1	1	−1	1	1	−1
χ_{15}	1	−1	−1	−1	1	1	1	1	−1	1	−1	−1	−1	1	1	1	−1
χ_{16}	1	−1	−1	−1	1	1	1	1	1	1	1	1	−1	−1	−1	−1	1
χ_{17}	4	0	0	0	0	−4	0	0	0	0	0	0	0	0	0	0	0

Trivial source character table of $G \cong$ (C2 x Q8) : C2 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} | N_{20} | N_{21} | N_{22} | N_{23} | N_{24} | N_{25} | N_{26} | N_{27} | N_{28} | N_{29} | N_{30} | N_{31} | N_{32} | N_{33} | N_{34} | N_{35} | N_{36} | N_{37} | N_{38} | N_{39} | N_{40} | N_{41} | N_{42} | N_{43} | N_{44} | N_{45} | N_{46} | N_{47} | N_{48} | N_{49} | N_{50} | N_{51} | N_{52} | N_{53} | N_{54} | N_{55} | N_{56} | N_{57} | N_{58} | N_{59} | N_{60} | N_{61} | N_{62} | N_{63} | N_{64} | N_{65} | N_{66} | N_{67} | N_{68} | N_{69} | N_{70} | N_{71} | N_{72} | N_{73} |
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