

ABSTRACT

HEAT EXCHANGER UNIT

The present invention provides a heat exchanger unit (1) that can save space, even when performing air conditioning in addition to ventilation. The heat exchanger unit (1) performs heat exchange ventilation with a supply air channel (A) flowing from an outdoor space (SO) to an indoor space (SI) and an exhaust air channel (B) flowing from the indoor space (SI) to the outdoor space (SO), and includes an optical deodorization portion (U1) and a first blowing portion (4). The optical deodorization portion (U1) is provided so as to be linked to at least the indoor space (SI) and performs air conditioning with a circulation channel (C).

10 The circulation channel (C) is provided in the vicinity of either the supply air channel (A) or the exhaust air channel (B). The first blowing portion (4) includes a double-suction first impeller (5) having a first suction inlet and a second suction inlet. Here, one of the supply air channel (A) and the exhaust air channel (B) that is provided in the vicinity of the circulation channel (C) is provided at the first

15 suction inlet side of the first impeller (5). The circulation channel (C) is provided at the second suction inlet side of the first impeller (5).