

Title (en)
Ceiling-embedded-type air conditioning apparatus

Title (de)
In Raumdecke eingebaute Klimaanlage

Title (fr)
Dispositif de conditionnement d'air pour montage au plafond

Publication
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Application
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Abstract (en)
To obtain a highly reliable and low-noise ceiling-embedded-type air conditioning apparatus capable of preventing damaging of a motor by improving the motor cooling efficiency. On the motor side of a downward-protruding hub 3c covering the motor 4 and fixing the rotary shaft 4a of the motor 4 in place, an air guiding cover 18 for forming a motor-side air passage 3f between the air guiding cover and the motor 4 and for guiding air flown into the motor-side air passage 3f from a gap formed between a chassis top panel 1b and a main plate 3b toward the motor 4. The air guiding cover 18 includes a circumferential surface portion 18c extending downward from the main plate 3b side. The air guiding cover 18 is formed so that the height position of the lower edge opening 18b of the circumferential surface portion 18c is lower than the height of a lower edge surface 4b of the motor 4. The hub 3c includes a plurality of openings 3d for letting air flown out from the lower edge opening 18b of the air guiding cover 18 into a gap between the air guiding cover 18 and the hub 3c to flow to a fan inner air passage 3e.

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