

CONDENSER FAN WITH CONDENSATE SLINGER
ABSTRACT OF THE DISCLOSURE

A rotating shroud is located on the suction side of the tips of a propeller fan and coacts with an inlet orifice to provide the physical separation between suction and discharge when the unit is in operation. The pressure differential across the fan tends to cause the condensate to move towards the suction side and into the path of the slinger (rotating shroud). The slinger then becomes wetted by the condensate, thereby picking up the condensate and slinging it into the region between the fan and the coil. The condensate is then evaporated upstream or within the coil, improving coil effectiveness.

Figure 1