

Utility Set Application Intelligence

Rupp Air Management offers several different utility set exhaust fan models. Each fan has its own set of features and capabilities, so selecting the correct model for an application is important in order to achieve the desired operating characteristics.

RAUSBI-RM (6" w.c. max SP, up to 32,000 CFM)



This fan performs well in both general and restaurant duty applications. The aluminum wheel on this fan is rated to 350 °F. The spring isolation option is recommended as this model's wheel rotates perpendicular to the roof. Note that while both the RAUSBI-RM and the RA-RE models share the same maximum pressure rating, the RAUSBI-RM fan model has a much higher maximum airflow capacity. Spark resistant construction classes B and C are available. The RAUSBI-RM high heat and smoke option uses high temperature rated conduit, wiring, and a steel wheel to allow both belt and direct driven models extended operation in emergency conditions (4 hours at 572 °F, 2 hours at 1000 °F). For heavier duty applications (grease load or temperature rating) use fan model RA-RE.

RA-RE (6" w.c. max SP, up to 10,000 CFM)



This fan is ideal for high temperature, solid fuel, and heavier grease applications. Select this fan over the RAUSBI-RM model for applications that require a 500 °F temperature rating. Note that this temperature rating is only available for belt driven configurations; direct driven models are rated to 300 °F. The ability to tilt out this model's wheel for cleaning makes maintenance quick and easy. An upblast configuration is available which allows convenient ducting through the bottom of the unit. Spark resistant construction classes B and C available. The RA-RE high heat and smoke option uses high temperature rated conduit, wiring, and a steel wheel to allow both belt and direct driven models extended operation in emergency conditions (4 hours at 572 °F, 30 minutes at 1000 °F).

Additional Notes:

KVS Exhaust

In kitchen ventilation applications the average duct exhaust fan temperature is 90 °F. Medium to high temperature appliances typically generate 130-150 °F at the exhaust fan. 200 °F at the exhaust fan is considered an extreme case.