



LOT6

2018

ec

technology



F400

KITCHEN EXHAUST FANS

THE COMPLETE RANGE

UP TO 200°C CONTINUOUS OPERATION | 400°C / 2 H



Odors, oily vapors, heat, moisture and combustion residues are commonplace in commercial kitchens. Therefore, the requirements for the ventilation and air conditioning systems are very high. Kitchen exhaust fans are directly affected as they are exposed to high levels of grease, oil and heat.

ruck kitchen exhaust fans are designed precisely for these requirements. In addition to the existing and familiar ranges, which allow a maximum use of up to 120 °C, the new kitchen exhaust fans are now available for requirements up to 200 °C continuous operation and 400 °C / 2 h.

The new ranges are certified for the temperature class F400 according to the European product requirements and testing standard DIN EN 12101-3. They allow a medium temperature of up to 400 °C / 2 h.

They are additionally suitable for continuous operation of up to 200 °C medium temperature.

This also makes them the ideal solution for e.g. charcoal grills.

The entire **ruck** kitchen exhaust program exceeds all presently known efficiency requirements.

One of very few suppliers on the market, ruck also fulfills with the 400 °C / 2 h ranges, the requirements of the ErP-Directive LOT6 2018.



TYPE OVERVIEW

Size	MPS				MPC T				MPC TI			MPX		DVN / DVNI			
	120°C			200°C 400°C/2h	< 80°C	120°C		200°C 400°C/2h	120°C		200°C 400°C/2h	< 80°C		120°C			200°C 400°C/2h
Ø	D	EC	E	D	E	D	EC	D	D	EC	D	D	E	D	EC	E	D
225																	
250																	
280																	
315																	
355																	
400																	
450																	
500																	
560																	
630																	
710																	

Available end of 2018

MPS

MPC T

MPC TI



- Max. medium temperature 120 °C
- Double skinned, steel sheet casing with 40 mm mineral wool insulation
- Three possible exhaust directions: right / left / upwards
- Backward curved centrifugal impeller with Taperlock shaft-hub connection
- Casing base designed as grease pan with oil and grease drain
- Max. airflow rate 11.840 m³/h

- Max. medium temperature 120 °C
- Double skinned, steel sheet casing with 30 mm mineral wool insulation
- Three possible exhaust directions: right / left / upwards
- Backward curved centrifugal impeller with Taperlock shaft-hub connection
- Casing base designed as grease pan with oil and grease drain
- Max. airflow rate 17.540 m³/h

- Max. medium temperature 120 °C
- Double skinned, steel sheet casing with 30 mm mineral wool insulation
- Linear air flow
- Backward curved centrifugal impeller with Taperlock shaft-hub connection
- Integrated drain
- Max. airflow rate 12.075 m³/h

MPS...E

MPC...E T

MPS...EC

MPC...EC T

MPC...EC TI

MPS...D

MPC...D T

MPC...D TI

MPS...D F4

MPC...D F4 T

MPC...D F4 TI

- Dual-Use 400 °C / 2 h and 200 °C continuous operation

- Dual-Use 400 °C / 2 h and 200 °C continuous operation
- Innovative motor cooling concept

- Dual-Use 400 °C / 2 h and 200 °C continuous operation

MPX



- Max. medium temperature 80 °C
- Swing-out fan unit for cleaning purposes
- Single skinned steel sheet casing
- Casing base designed as a pan
- Backward curved centrifugal impeller with Taperlock shaft-hub connection
- The drainage has to be installed on site
- Max. airflow rate 6.690 m³/h

DVN



- Max. medium temperature 120 °C
- Seawater resistant aluminum casing, ground plate and inlet nozzle made out of steel sheet
- Backward curved centrifugal impeller with Taperlock shaft-hub connection
- Integrated grease pan with drain
- Max. airflow rate 14.350 m³/h

DVNI



- Max. medium temperature 120 °C
- Sound insulated casing
- Seawater resistant aluminum casing, ground plate and inlet nozzle made out of steel sheet
- Backward curved centrifugal impeller with Taperlock shaft-hub connection
- Integrated grease pan with drain
- Max. airflow rate 14.350 m³/h

MPX...E

DVN...E

DVNI...E

DVN...EC

DVNI...EC

MPX...D

DVN...D

DVNI...D

DVN...D F4

DVNI...D F4

- Dual-Use 400 °C / 2 h and 200 °C continuous operation
- Innovative motor cooling concept

- Dual-Use 400 °C / 2 h and 200 °C continuous operation
- Innovative motor cooling concept

MOTOR CONCEPTS

CAPACITOR MOTORS

- Voltage controllable asynchronous capacitor motors in protection class IP54
- High energy efficiency at full load range
- Control with transformer in protection class IP20 (switch cabinet mounting) and IP54 (on-wall mounting)

5-step Transformer
TEM



5-step Transformer
TEM G



7-step Transformer
TES



Isolator switch
GS



EC MOTORS

- Electronically commutated (EC) internal rotor motors with included power electronics in protection class IP54
- High energy efficiency at full and part load range
- Stepless control with potentiometer via 0-10V signal

Potentiometer
MTP



Constant pressure control
CON P1000



Differential pressure sensor
SEN P1000



Isolator switch
GS



IE3 PREMIUM EFFICIENCY STANDARD MOTORS

- Frequency controllable IE3 standard motors in protection class IP55
- The special shaft seal prevents oil and water from entering over the shaft
- High energy efficiency at full and part load range
- Control with frequency converter in protection class IP20 (inside mounting) and IP54 (outside mounting)

Frequency converter
IP 20



Frequency converter
IP 66



Potentiometer
MTP



Constant pressure control
CON P1000



Motor protection switch
MS



MECHANICAL ACCESSORIES

MPS/MPX

Weather protection hood
WSH MPS



Wall bracket
WK MPS



Fast clamps
VM



Weather protection hood
WSH MPS EC



Back draught shutter
RSK D



MPC...T/TI

Base frame
GR MPC



Weather protection hood
WSH MPC T



Weather protection grille
WSG MPC



Transition for duct/pipe
UQR



Panel with spigot
USM



Inlet spigot
AS MPC



Rain cover
RD MPC



Closed panel
UCP



Panel with condensate
drains



DVN/DVNI

Flat roof socket
DSF



Sloped roof socket
DSF



Roof socket silencer
DSS



Sloped roof socket
silencer DSS



Inlet flange
DAF



Inlet collar
DAS



Shutter automatic
DVK



Roof adapter plate
DAP



OUR PRODUCT PORTFOLIO

IN LINE TUBE FANS

ETALINE and ETAMASTER, the No. 1 in saving energy.



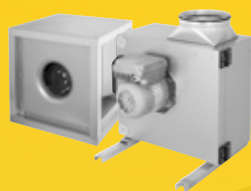
DUCT FANS

Backward curved centrifugal fans, sound insulated, compact diagonal fans.



EXHAUST FANS

Exhaust fans for industry and kitchen exhaust, up to 200 °C continuous operation, 400 °C / 2 h.



ROOF FANS

Roof fans with horizontal and vertical discharge, up to 200 °C continuous operation, 400 °C / 2 h.



COMPACT AHU

With counter flow heat exchanger with more than 90% heat recovery efficiency and EC fans. Available with horizontal or vertical air guidance respectively flat units for suspended ceiling mounting.



COMPACT AHU

With rotary heat exchanger with up to 80% heat recovery efficiency and EC fans. Available with horizontal or vertical air guidance.



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