

# MPS 355 EC 30

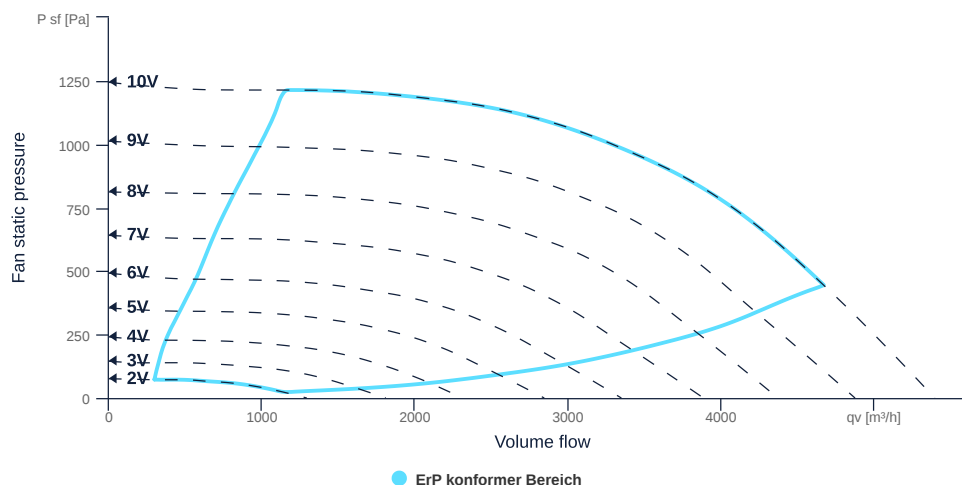
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- Backward curved centrifugal impeller
- Swing out fan unit
- Sheet steel housing double-walled, 40 mm mineral wool
- High efficiency EC motor outside the air flow
- Conveyed medium temperature up to 120 °C in continuous operation
- With condensate and grease drain



## FAN CURVES

| Name        | Value | Unit |
|-------------|-------|------|
| Volume flow | 0     | m³/h |
| Pressure    | 0     | Pa   |



to the product detail page

# MPS 355 EC 30

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## GENERAL DATA

| Name                                      | Value            | Unit | Formula symbol          |
|-------------------------------------------|------------------|------|-------------------------|
| Labeling                                  | CE, UKCA         |      |                         |
| Duct size                                 | -                |      | WxH <sub>duct</sub>     |
| Pipe connection size (DN)                 | DN355            |      | DN                      |
| Rated voltage (entire device)             | 230              | v    | U <sub>rated</sub>      |
| Phases (entire device)                    | 1~               |      | phase                   |
| Electrical protection (entire device)     | 16 A             |      | fuse                    |
| Housing material                          | Galvanized steel |      | mat <sub>casing</sub>   |
| Impeller material                         | Coated steel     |      | mat <sub>impeller</sub> |
| Weight                                    | 38.5             | kg   | m                       |
| Nominal air flow rate, nominal point m³/h | 3099.6           | CmH  | q <sub>v,nom</sub>      |
| Nominal external pressure, static         | 917.7            | Pa   | p <sub>s,nom</sub>      |
| Fan type                                  | Radial           |      | Fan <sub>type</sub>     |
| Category / Installation situation         | A                |      | cat                     |

## ERP DATA (LOT 6)

| Name                                            | Value                     | Unit | Formula symbol      |
|-------------------------------------------------|---------------------------|------|---------------------|
| Nominal air flow rate, nominal point m³/s       | 0.86                      | CmS  | q <sub>v,nom</sub>  |
| Actual electrical input power, nominal point    | 1.28                      | kw   | P <sub>e,nom</sub>  |
| Face velocity, nominal point                    | 8.7                       | mps  | v <sub>nom</sub>    |
| Nominal external pressure, static               | 917.7                     | Pa   | p <sub>s,nom</sub>  |
| supply air fan static efficiency, nominal point | 62.3                      | p    | η <sub>es,SUP</sub> |
| Highest external air leakage rate               | 0.05                      | p    |                     |
| Enclosure sound level, nominal point            | 76                        | db   | LWA2                |
| Rating                                          | Product is compliant 2018 |      |                     |

## MAXIMAL DATA

| Name                            | Value |       | Unit | Formula symbol        |
|---------------------------------|-------|-------|------|-----------------------|
|                                 | 50 Hz | 60 Hz |      |                       |
| Max. power consumption (device) | 1511  | 1511  | w    | P <sub>ed, max</sub>  |
| Max. operating current (device) | 10.74 | 10.74 | A    | I <sub>ed, max</sub>  |
| Max. speed                      | 2550  | 2550  | rpm  | n <sub>max</sub>      |
| Max. stat. efficiency           | 57.8  | 57.8  | p    | η <sub>es</sub>       |
| Max. fan efficiency             | 60.8  | 60.8  | p    | η <sub>e</sub>        |
| Max. flowrate                   | 5400  | 5400  | CmH  | q <sub>v, max</sub>   |
| Max. stat pressure              | 1240  | 1240  | Pa   | p <sub>sf, max</sub>  |
| Max. medium temperature         | 120   | 120   | °C   | T <sub>m, max</sub>   |
| Max. environment temperature    | 50    | 50    | °C   | T <sub>amb, max</sub> |
| Min. environment temperature    | -20   | -20   | °C   | T <sub>amb, min</sub> |



to the product detail page

# MPS 355 EC 30

149316



## MOTOR DATA

| Name                     | Value |                     | Unit | Formula symbol |
|--------------------------|-------|---------------------|------|----------------|
|                          | 50 Hz | 60 Hz               |      |                |
| Rated frequency (device) |       | 50                  |      | f              |
| Motor type               |       | EC                  |      | phase          |
| Control type             |       | stepless-controlled |      | ctrltype       |
| Installation type        |       | IRM (In)            |      | install        |
| Rotation direction       |       | right               |      | rotation       |
| Isolation class          |       | ISO F               |      | ISOclass       |
| Motor-protection         |       | TEC                 |      | protectmotor   |
| Protection class         |       | IP54                |      | IPmotor        |
| Is pole-changeable       |       | No                  |      | polexch        |
| Type of power supply     |       | AC 1~               |      | pwrsupmotor    |
| Rated voltage            | 230   |                     | v    | Urated, f1     |
| Rated current            | 9.5   |                     | A    | Irated, f1     |
| Nominal power            | 1200  |                     | w    | Pa             |
| Speed                    | 3100  |                     | rpm  | nf1            |
| UL-Certification motor   |       | None                |      | ULcert         |

## SMOKE EXTRACT DATA

| Name                  | Value | Unit | Formula symbol |
|-----------------------|-------|------|----------------|
| Fire resistance class | None  |      | Fclass         |

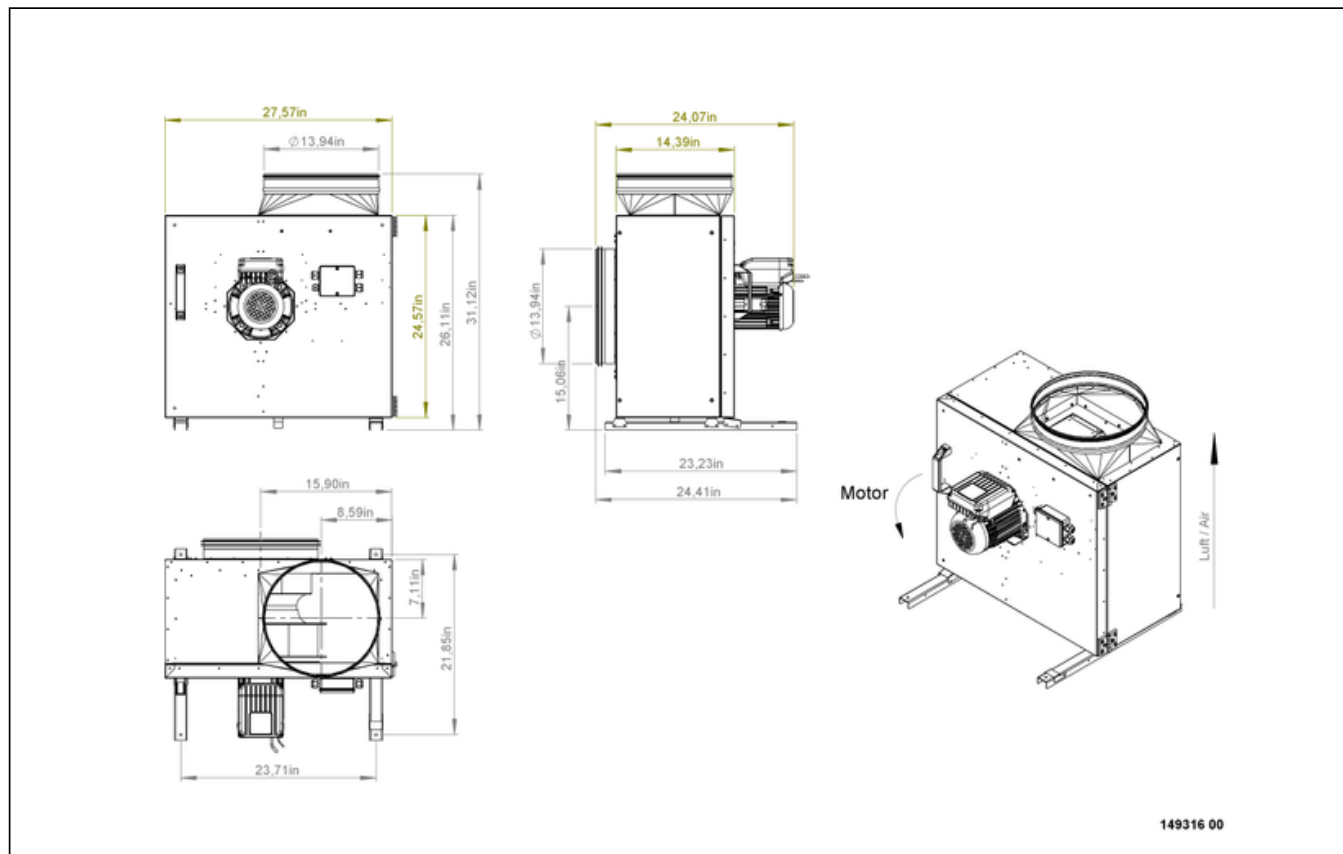


to the product detail page

# MPS 355 EC 30

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## CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS

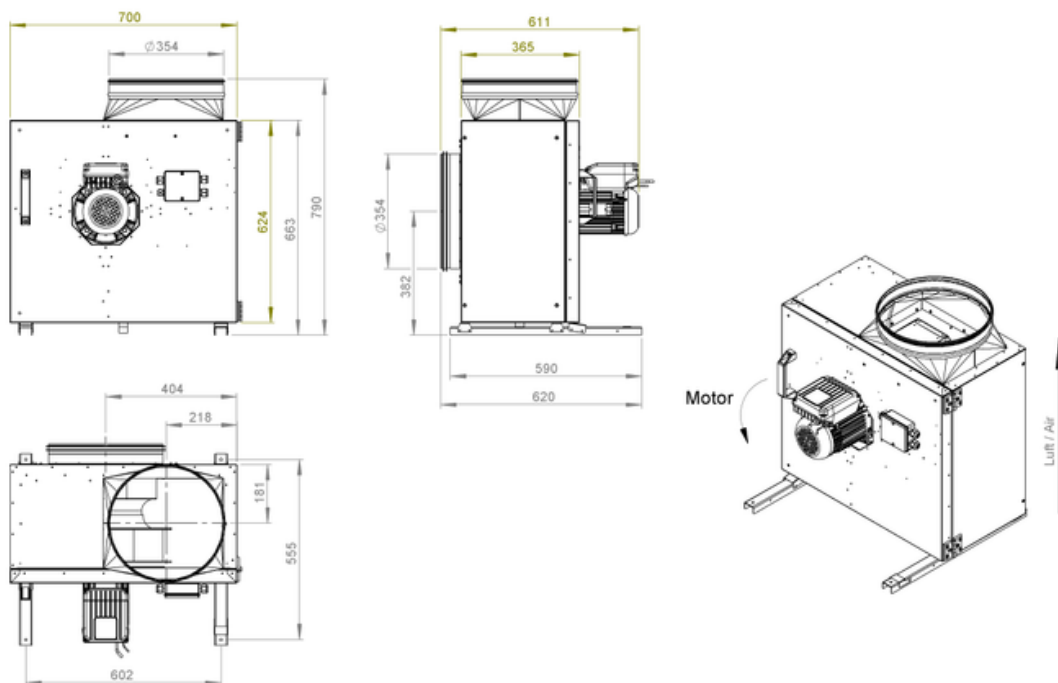


to the product detail page

# MPS 355 EC 30

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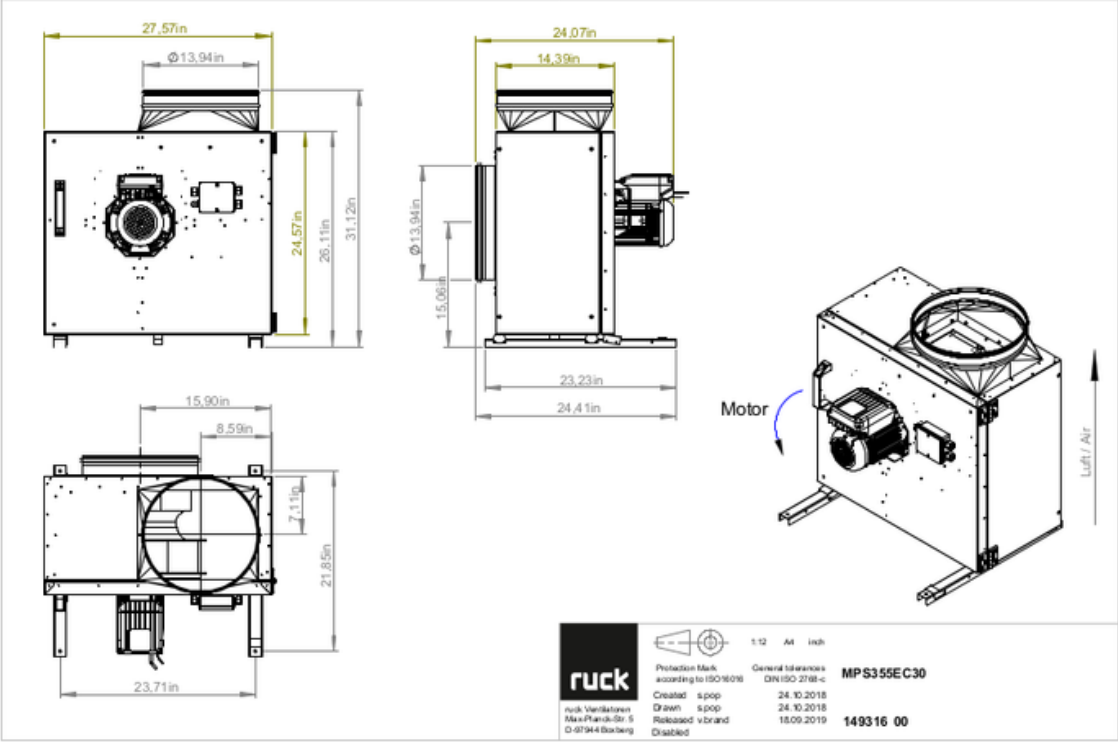


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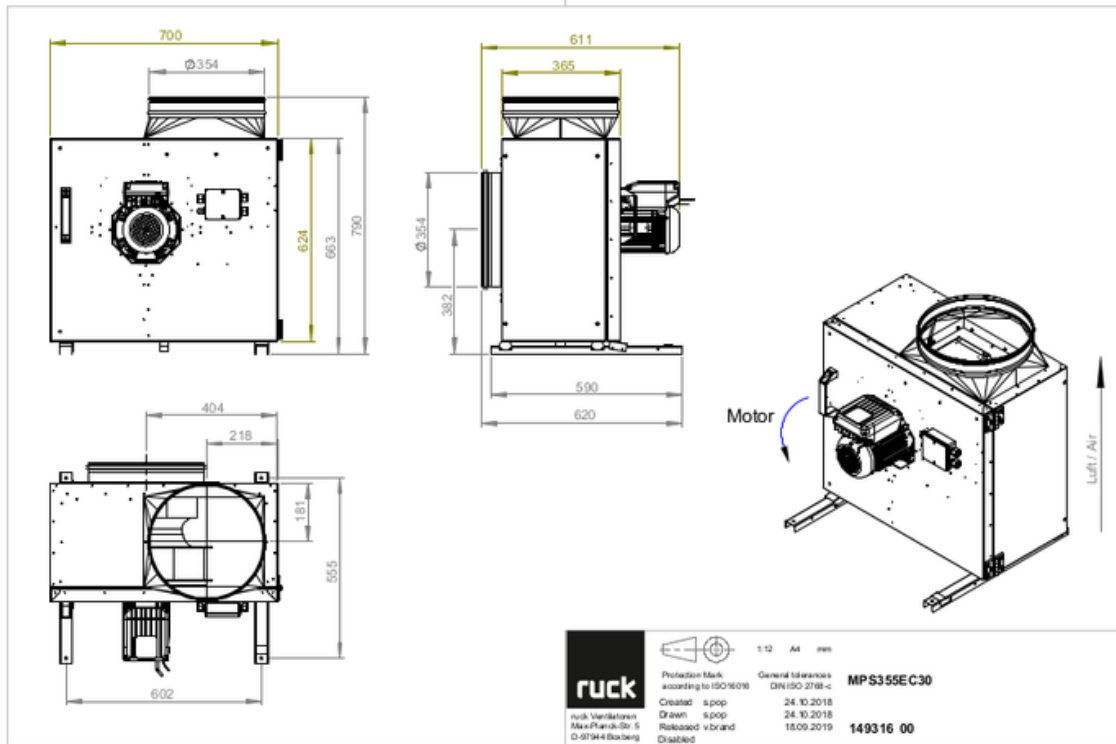


to the product detail page

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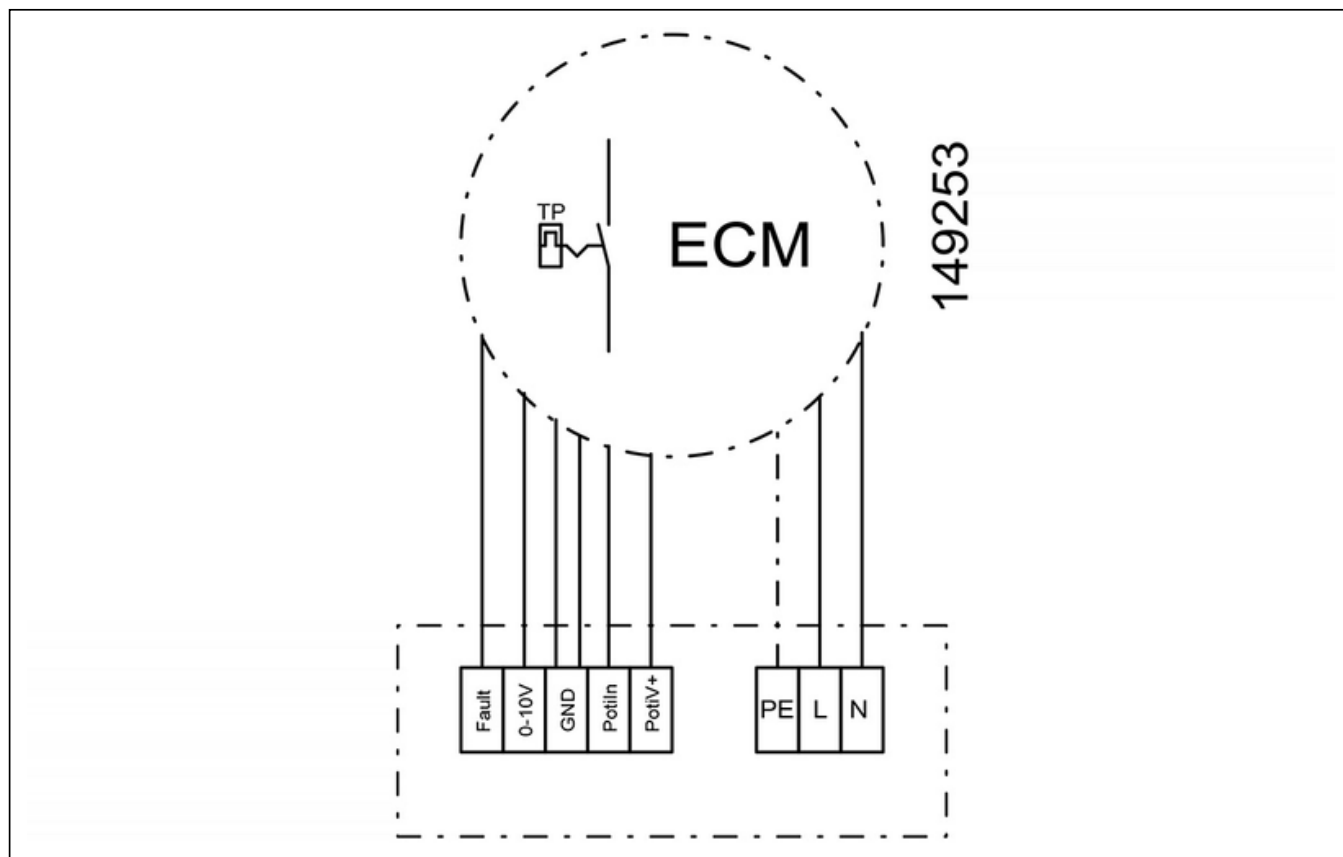
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to the product detail page