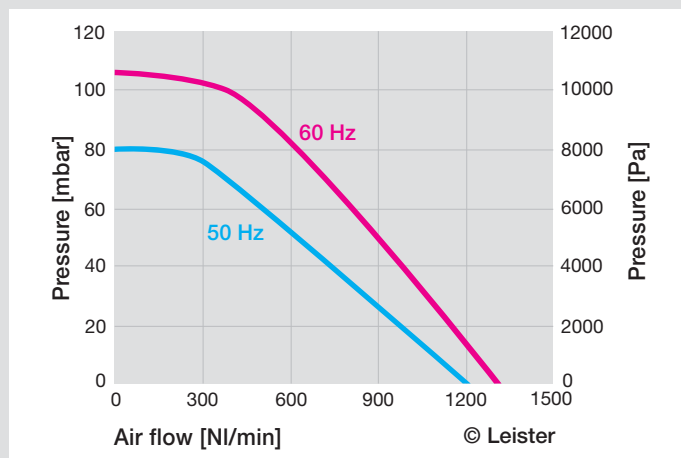


# ROBUST: The name speaks for itself.

Very compact design with enormous power. Thanks to the efficient sound insulation it is very quiet, can be installed in all orientations and is indestructible even under extreme conditions and in continuous operation.

## High pressure blower

## ROBUST

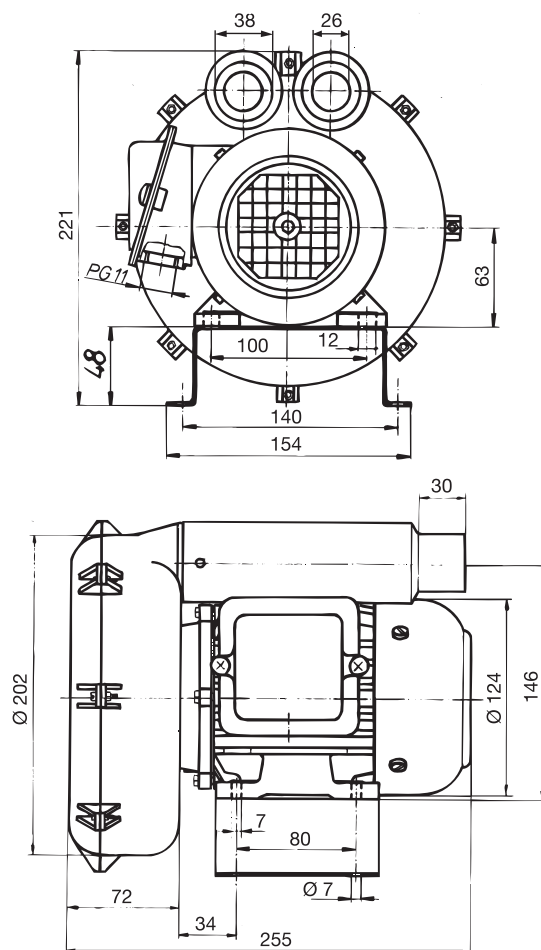


### Technical data

Design regenerative blower

| Frequency                            | Hz       | 50    | 60    |
|--------------------------------------|----------|-------|-------|
| Air flow (20 °C )                    | l/min    | 1200  | 1300  |
| Static pressure                      | Pa       | 8000  | 10500 |
| Max. ambient temperature             | °C       | 60    | 60    |
| Noise emission level                 | LpA (dB) | 62    | 62    |
| Environmental protection (IEC 60529) |          | IP 54 | IP 54 |
| Outside diameter air inlet           | mm       | Ø 38  | Ø 38  |
| Outside diameter air outlet          | mm       | Ø 38  | Ø 38  |
| Weight                               | kg       | 8.0   | 8.0   |
| Mark of conformity                   |          | CE    | CE    |
| Protection classe I                  |          | ⚡     | ⚡     |

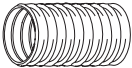
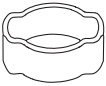
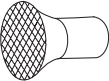
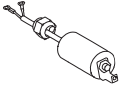
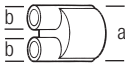
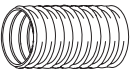
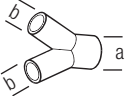
### Installation dimensions in mm



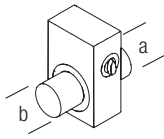
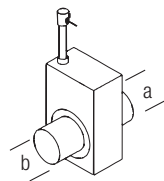
|                              |           |         |         |               |         |
|------------------------------|-----------|---------|---------|---------------|---------|
| Voltage                      | V~ 50Hz   | 1 x 120 | 1 x 230 | 3 x 230 / 400 | 3 x 500 |
|                              | 60Hz      |         |         | 3 x 440 - 480 |         |
| Power consumption            | W         | 250     | 250     | 250           | 250     |
| <b>Without cable</b>         | Order no. | 103.434 |         | 103.429       | 103.435 |
| <b>3 m cable / Euro plug</b> | Order no. |         | 103.432 |               |         |

Additional versions on request

## Accessories High pressure blower ROBUST (Ø 38 mm)

|                    |                                                                                     |                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 107.350            |    | PVC air hose, Ø 19 mm                                                                                           |
| 107.290            |    | Hose clip for Ø 19 mm air hose                                                                                  |
| 107.242            |    | Closing cap Ø 19 mm attacheable to hose connection adaptor 107.298                                              |
| 107.354            |    | Stainless steel filter push-fit on air intaker                                                                  |
| 108.623<br>104.017 |  | Motor capacitor 230 V~<br>Motor capacitor 120 V~                                                                |
| 107.298            |  | Hose connection adaptor, push-fit on ROBUST blower and adaptor 107.293 for hose connection a = 38 mm, b = 19 mm |
| 107.286            |  | PVC air hose, Ø 38 mm                                                                                           |
| 107.287            |  | Hose clip for Ø 38 and Ø 60 mm air hose                                                                         |
| 107.241            |  | Closing cap Ø 38 mm push-fit on hose connection adaptors 107.292 and 107.293                                    |
| 107.293            |  | Hose connection adaptor, push-fit a = 38 mm, b = 38 mm                                                          |

## Air flow adjuster and on/off switch

|         |                                                                                    |                                                                                                                                                                                |
|---------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 108.755 |  | Hand operated air flow adjuster and on/off switch.<br>Size 214 × 88 × 133 mm<br>a = 40 mm, b = 38 mm<br><br><b>&gt; ROBUST</b>                                                 |
| 107.299 |  | Air flow off/on switch<br>The air flow is interrupted on command (pneumatic 5 bar) to the heaters.<br>Size 214 × 88 × 133 mm<br>a = 40 mm, b = 38 mm<br><br><b>&gt; ROBUST</b> |

## Special nozzles on request

If using non-Leister blowers, compressors and accessories no guarantee can be given by us

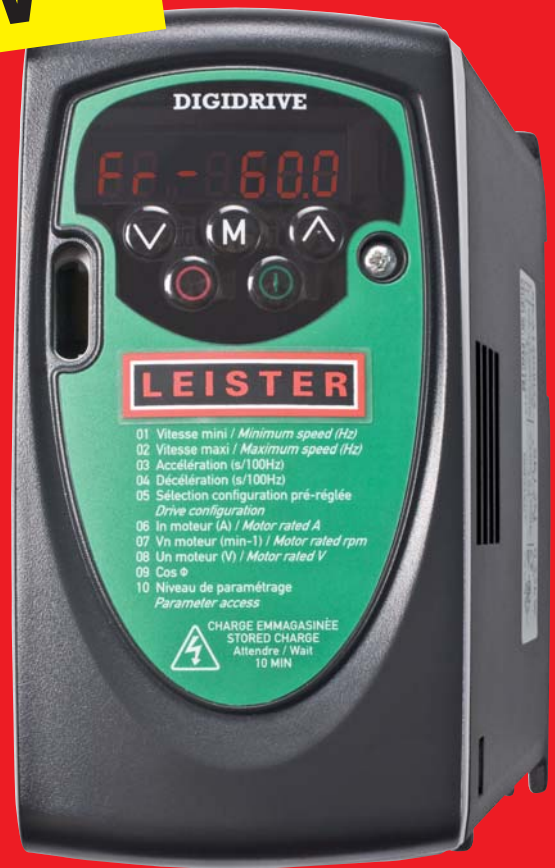
**LEISTER**

PROCESS HEAT

**NEW**

**Frequency converter  
for Leister blowers.**

**More power,  
variable air volume,  
controllable via  
remote control.**



**SILENCE**



**ROBUST**



**ASO**



## Benefit of frequency converter with Leister blowers

- Better hot air processes
- Up to 60% higher blower performance
- Lower system costs
- Easy to integrate in the controller
- Air supply controller
- Save energy – heat only when necessary
- Simple plug & play installation
- Secure
- Elimination of the motor condensator

Because air volume and heating performance can be set independently, precisely and reproducibly from each other.

Because the frequency converter lets the blower turn faster than the mains frequency (see diagram below).

Smaller and cheaper blowers can be used or fewer blowers will be necessary, because multiple air heaters can be connected to a blower.

By the remote control interface 4-20mA/0-10V or by fixed set values (up to 4) via clamp contacts.

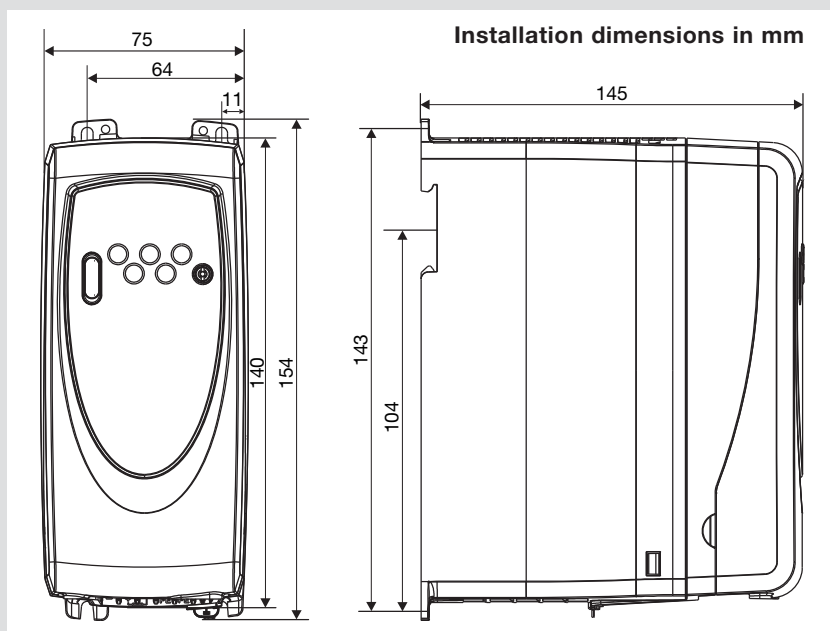
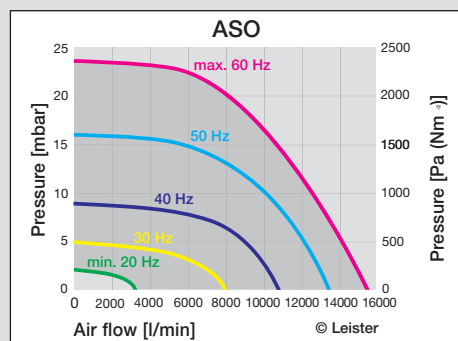
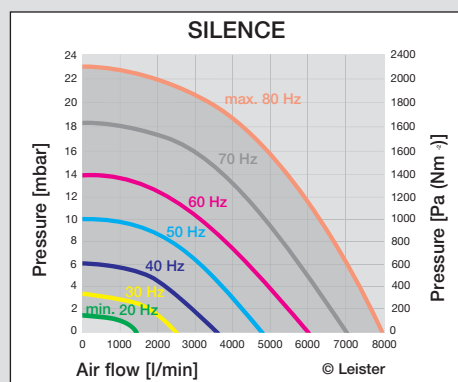
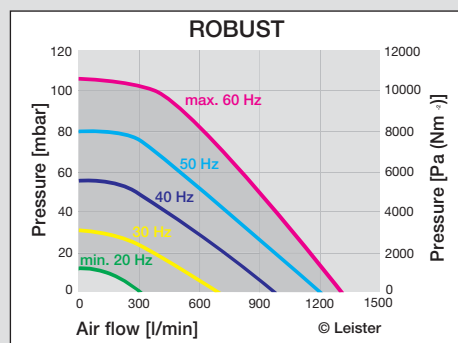
Active braking function enables quick air volume changes, i.e. for timed systems.

There are timed processes, where hot air is necessary within a clearly defined time window. For the rest of the time, the air volume can be minimised and the heating performance switched off.

The frequency converter is already configured for operation with Leister blowers.

Integrated current monitoring and a built-in motor protection switch protect the blower.

This function is already integrated in the frequency converter.



### Technical Data

|                                    |    |                   |
|------------------------------------|----|-------------------|
| Input voltage                      | V~ | 1 × 200 – 240 VAC |
| Max. blower rated power            | W  | 550               |
| Frequency                          | Hz | 50 / 60           |
| Typical input current at full load | A  | 8.1               |
| Output rated power (100%)          | A  | 3.0               |
| Weight                             | kg | 1.0               |
| Mark of conformity                 |    | CE U <sub>L</sub> |
| Protection classe I                |    | ⊕                 |

Article No. 117.359 frequency converter FC 550