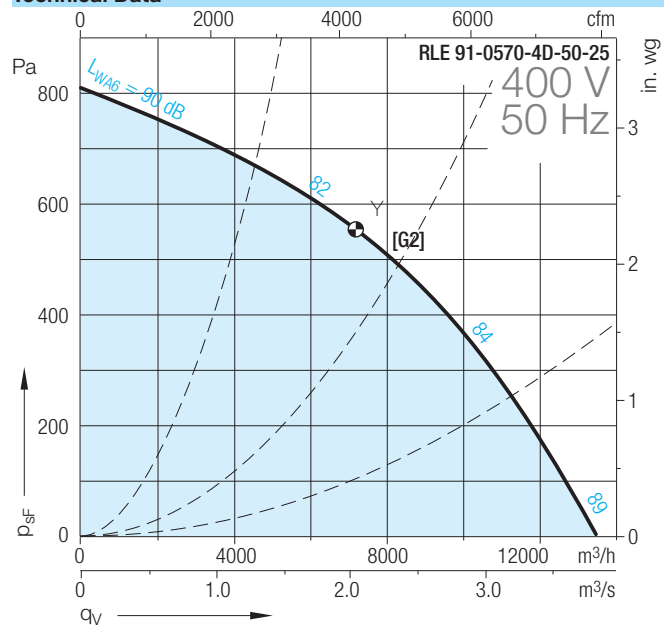


# RLE 90-0570-25

## Technical Data



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# RLE 90-0570-25

## Technical Data

|               | Voltage | Phases | Frequency | Speed | Max. power consumption | Nominal current | Starting-/full load current ( $I_A/I_N$ ) | Operating Capacitor | Motor protection class | Motor thermal class | Media Temperature max. | Impeller weight |
|---------------|---------|--------|-----------|-------|------------------------|-----------------|-------------------------------------------|---------------------|------------------------|---------------------|------------------------|-----------------|
| RLE 90-       | V       |        | Hz        | 1/min | kW                     | A               |                                           | μF                  |                        |                     | °C                     | kg              |
| 0570-4D-50-25 | 400     | 3~     | 50        | 1280  | 2.8                    | 5.1             | 3.2                                       |                     | IP10                   | F                   | 50                     | 26.5            |

(0) = Stepless speed controllable via tension variation

(5) = Stepless speed controllable via electronical Commutation Unit

\* = No speed control available

Sound level for inlet side  $L_{WA5} = L_{WA6} - 4$  dB.

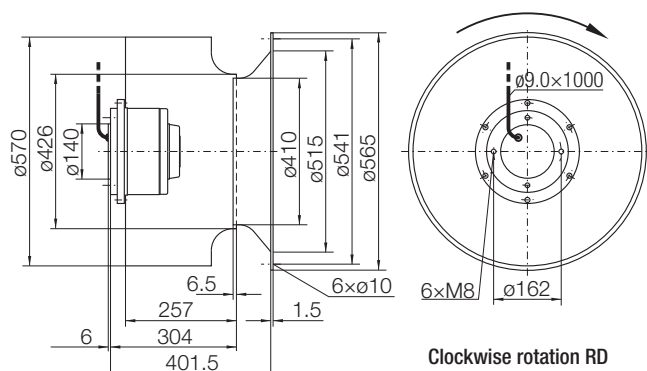
Density of media **1.15 kg/m³**.

Performance curves and sound data are valid only for the motor impeller in connection with our inlet cone!

The fans must be used with the Electronical Commutation Unit EKE05.

## Dimensions in mm, subject to change.

### RLE 90-0570-4D-50-25



| Duty Point  |                | Relative sound power level for discharge side $L_{Wrel6}$ |     |     |     |      |      |      |      |    | Relative sound power level for inlet side $L_{Wrel5}$ |     |     |     |      |      |      |      |    |
|-------------|----------------|-----------------------------------------------------------|-----|-----|-----|------|------|------|------|----|-------------------------------------------------------|-----|-----|-----|------|------|------|------|----|
| N [1/min]   | $q_V$          | 63                                                        | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Hz | 63                                                    | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Hz |
| 600...1200  | 0.3 $q_{Vmax}$ | +4                                                        | +1  | -2  | -4  | -3   | -9   | -15  | -22  | dB | +6                                                    | +5  | +2  | -2  | -7   | -10  | -13  | -22  | dB |
| 600...1200  | 0.6 $q_{Vmax}$ | -3                                                        | -3  | -4  | -3  | -4   | -8   | -13  | -20  | dB | -1                                                    | +2  | 0   | -3  | -6   | -9   | -11  | -20  | dB |
| 600...1200  | 1.0 $q_{Vmax}$ | +4                                                        | -1  | -2  | -4  | -4   | -8   | -16  | -22  | dB | -5                                                    | +2  | +1  | -1  | -6   | -10  | -15  | -23  | dB |
| 1201...1500 | 0.3 $q_{Vmax}$ | +5                                                        | -1  | -2  | -4  | -4   | -9   | -13  | -20  | dB | +8                                                    | +4  | +2  | -2  | -8   | -10  | -12  | -20  | dB |
| 1201...1500 | 0.6 $q_{Vmax}$ | -7                                                        | -7  | -4  | -5  | -5   | -6   | -11  | -16  | dB | -4                                                    | -2  | +1  | -3  | -6   | -8   | -10  | -16  | dB |
| 1201...1500 | 1.0 $q_{Vmax}$ | +5                                                        | -1  | -3  | -4  | -4   | -8   | -12  | -16  | dB | -9                                                    | -3  | 0   | -1  | -6   | -9   | -13  | -21  | dB |



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