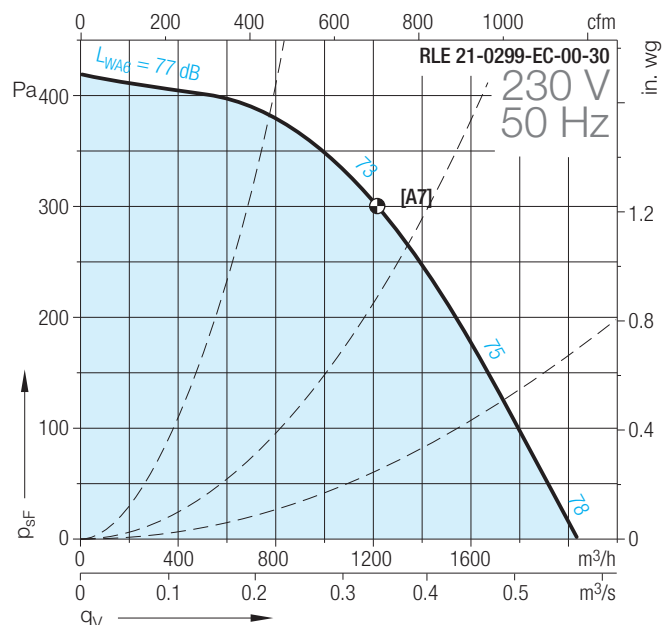
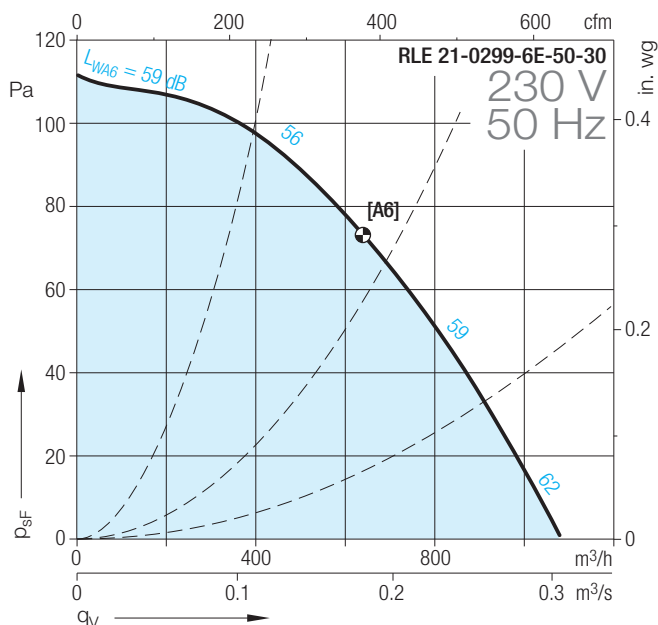
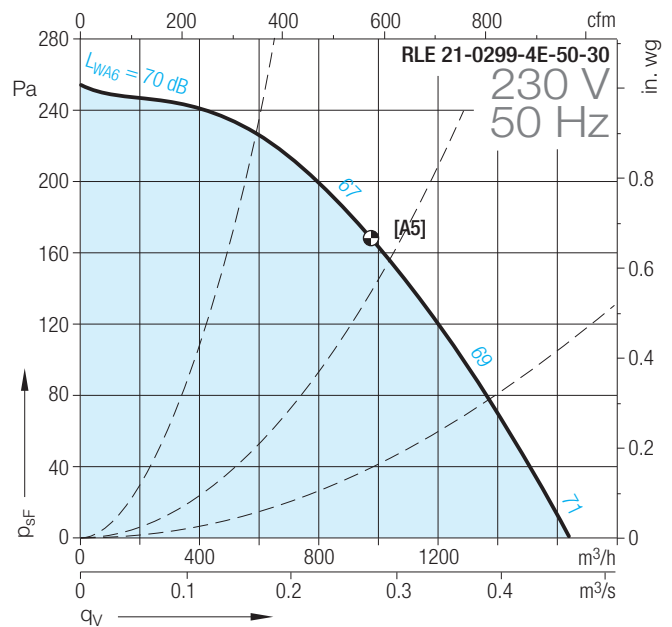
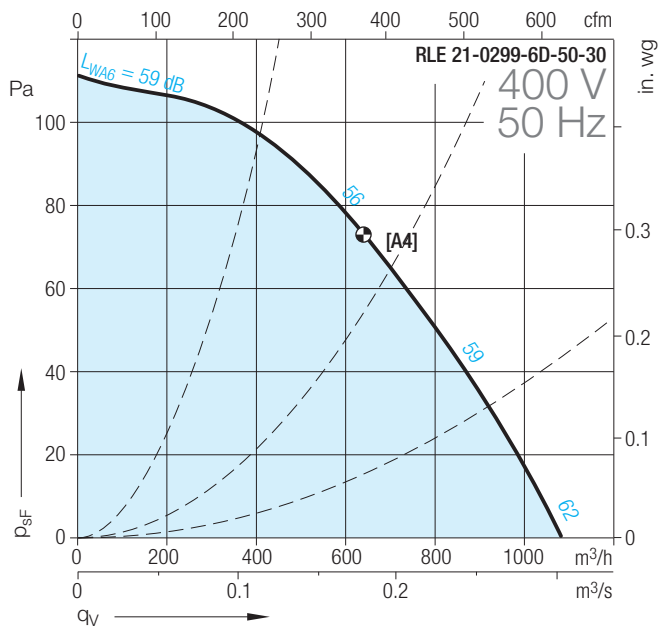
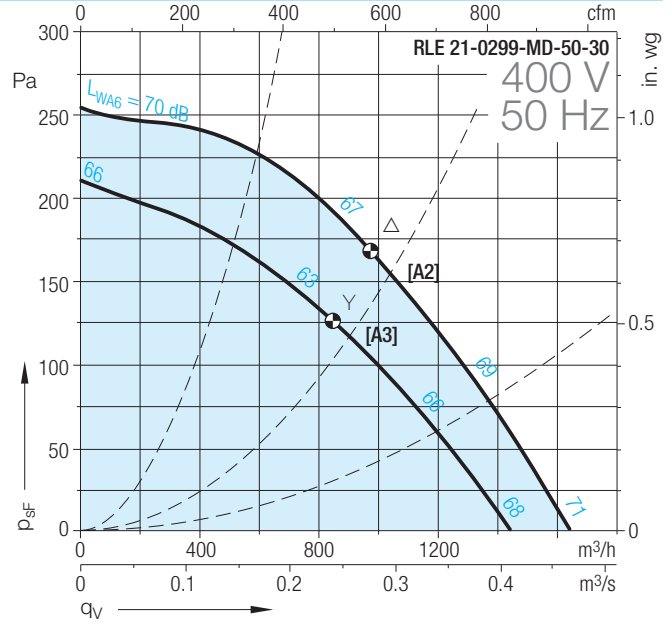
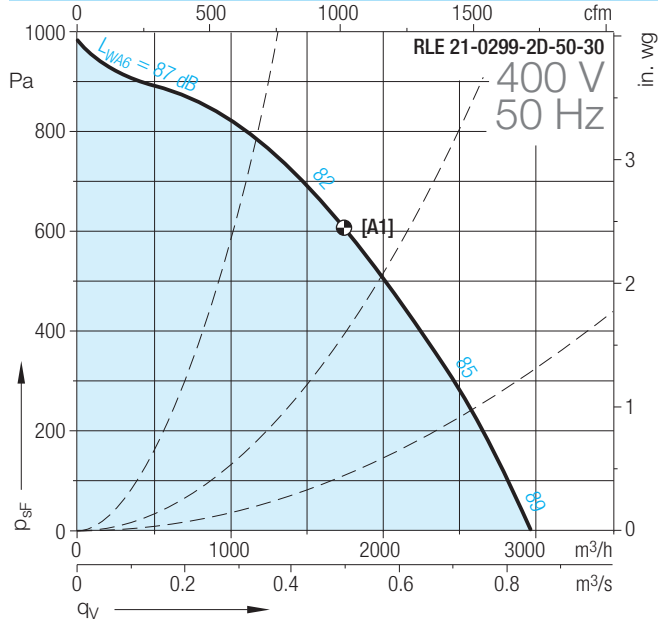


RLE 20-0299-30

Technical Data



RLE 20-0299-30

Technical Data

| | Voltage | Phases | Frequency | Speed | Max. power consumption | Nominal current | Starting-/full load current (I _s /I _n) | Operating Capacitor | Motor protection class | Motor thermal class | Media Temperature max. | Impeller weight |
|---------------|---------|--------|-----------|-----------|------------------------|-----------------|---|---------------------|------------------------|---------------------|------------------------|-----------------|
| RLE 20- | V | | Hz | 1/min | kW | A | | µF | | | °C | kg |
| 0299-2D-50-30 | 400 | 3~ | 50 | 2660 | 0.76 | 1.5 | 3.2 | | IP44 | F | 40 | 6.7 |
| 0299-MD-50-30 | 400 | 3~ | 50 | 1400/1220 | 0.15/0.1 | 0.4/0.18 | 2.4 | | IP44 | F | 60 | 6.7 |
| 0299-6D-50-30 | 400 | 3~ | 50 | 930 | 0.09 | 0.27 | 1.7 | | IP44 | F | 60 | 6.7 |
| 0299-4E-50-30 | 230 | 1~ | 50 | 1410 | 0.21 | 1.1 | 2.3 | 5 | IP44 | F | 60 | 6.7 |
| 0299-6E-50-30 | 230 | 1~ | 50 | 920 | 0.08 | 0.4 | 1.4 | 2 | IP44 | F | 60 | 6.7 |
| 0299-EC-00-30 | 230 | 1~ | 50/60 | 1850 | 0.23 | 1.05 | | | IP44 | B | 40 | 8.3 |

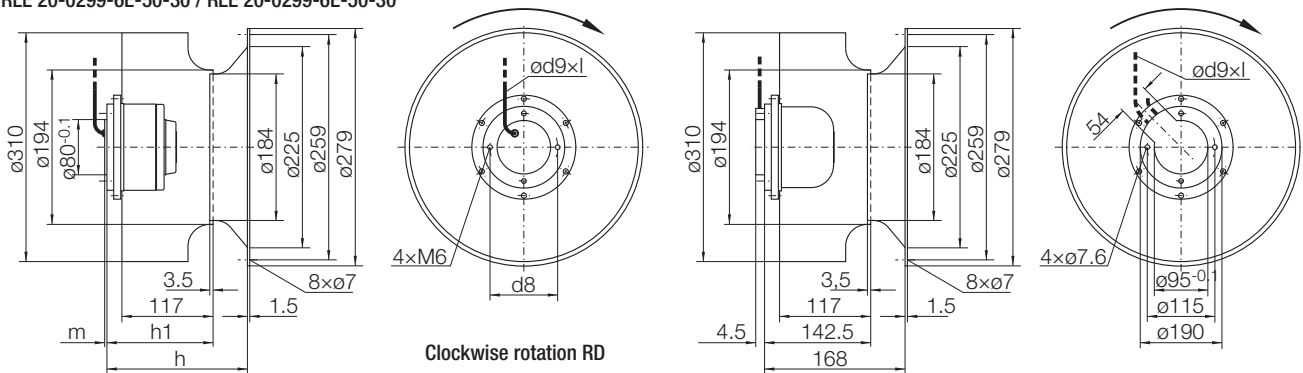
(0) = Stepless speed controllable via tension variation
 (5) = Stepless speed controllable via electronic Commutation Unit
 * = No speed control available
 Voltage variation for "-2D" variants only at media temperature up to +30 °C!

Sound level for inlet side $L_{WA5} = L_{WA6} - 1$ 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 Electronic Commutation Unit EKE05.

Dimensions in mm, subject to change.

RLE 20-0299-2D-50-30 / RLE 20-0299-MD-50-30 / RLE 20-0299-6D-50-30
 RLE 20-0299-6E-50-30 / RLE 20-0299-6E-50-30

RLE 20-0299-EC-00-30



| Dimensions for fan type | Mains | | | | |
|-------------------------|-------|-------|-------|------|----------|
| RLE 20- | d8 | h | h1 | m | ød9x1 |
| 0299-2D-50-30 | 115 | 178.0 | 152.5 | 11.0 | ø9.6x700 |
| 0299-MD-50-30 | 95 | 161.5 | 136 | 4.5 | ø9.6x650 |
| 0299-6D-50-30 | 95 | 161.5 | 136 | 4.5 | ø9.6x650 |
| 0299-4E-50-30 | 95 | 161.5 | 136 | 4.5 | ø8.4x650 |
| 0299-6E-50-30 | 95 | 161.5 | 136 | 4.5 | ø8.4x650 |

| Dimensions for fan type | Mains | Level sensor |
|-------------------------|----------|--------------|
| RLE 20- | ød9x1 | ød9x1 |
| 0299-EC-00-30 | ø7.2x800 | ø6.8x800 |

| 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 |
| 450...900 | 0.3 q _{vmax} | +4 | -3 | -4 | -6 | -4 | -6 | -14 | -21 | dB | +9 | +3 | +1 | -1 | -7 | -11 | -17 | -23 | dB |
| 450...900 | 0.6 q _{vmax} | -1 | -5 | -4 | -6 | -6 | -5 | -12 | -20 | dB | +3 | +2 | +1 | -1 | -7 | -10 | -14 | -27 | dB |
| 450...900 | 1.0 q _{vmax} | -2 | -3 | -2 | -6 | -5 | -6 | -12 | -22 | dB | 0 | +1 | +1 | -1 | -6 | -12 | -19 | -28 | dB |
| 901...1800 | 0.3 q _{vmax} | -1 | -2 | -3 | -7 | -5 | -5 | -12 | -19 | dB | +7 | +3 | +1 | -2 | -6 | -9 | -14 | -22 | dB |
| 901...1800 | 0.6 q _{vmax} | -5 | -4 | -4 | -7 | -6 | -5 | -10 | -18 | dB | 0 | +1 | +1 | -1 | -7 | -10 | -14 | -23 | dB |
| 901...1800 | 1.0 q _{vmax} | -9 | -3 | -3 | -6 | -5 | -6 | -12 | -19 | dB | -3 | +2 | +1 | -1 | -6 | -12 | -16 | -23 | dB |
| 1801... | 0.3 q _{vmax} | +1 | -3 | -1 | -4 | -6 | -7 | -10 | -16 | dB | +2 | +3 | +2 | -2 | -6 | -11 | -15 | -20 | dB |
| 1801... | 0.6 q _{vmax} | -7 | -7 | -2 | -5 | -5 | -6 | -10 | -16 | dB | -3 | -2 | +2 | -2 | -5 | -12 | -16 | -22 | dB |
| 1801... | 1.0 q _{vmax} | -15 | -13 | -3 | -5 | -5 | -6 | -10 | -18 | dB | -8 | -5 | +1 | -1 | -6 | -12 | -15 | -20 | dB |