





P-series

AC technology

Product overview

| | |
|-----------------|----------|
| Quick selection | Page 138 |
| Single inlet | |
| Size 200 | Page 140 |
| Size 220 | Page 144 |
| Size 250 | Page 150 |
| Size 280 | Page 154 |
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Information

RM..D-ECblue

RM..D

RG..R-ECblue

RG/RD..P

RG/RD..S

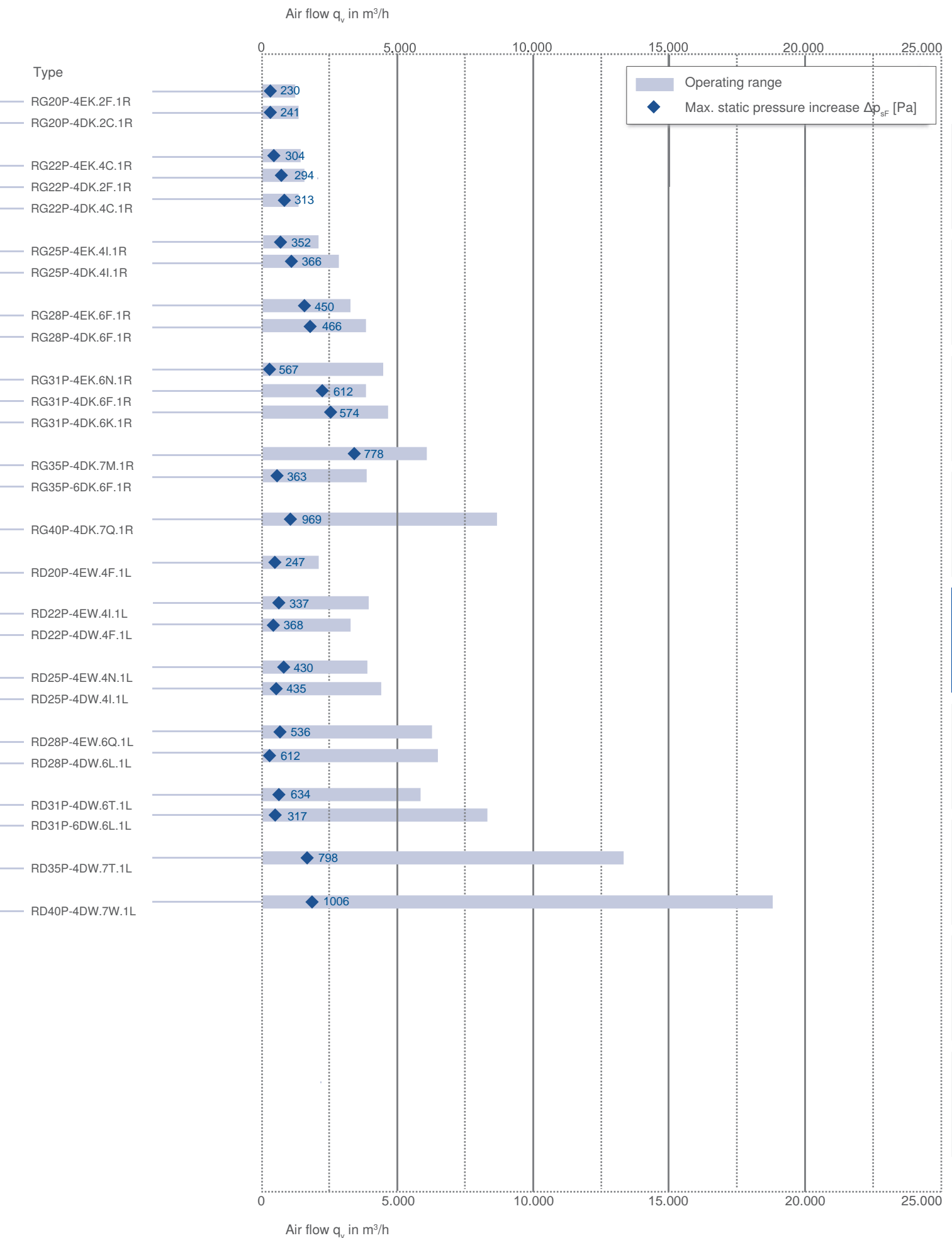
System components

Control technology

General notes

| Size | Voltage | Pole-count | Type | Impeller position | ErP | Page |
|----------|----------|------------|-----------------|-------------------|------|------|
| 200 | 1~ 230 V | 4 | RG20P-4EK.2F.1R | K | - | 140 |
| | 3~ 400 V | 4 | RG20P-4DK.2C.1R | K | 2015 | 142 |
| 225 | 1~ 230 V | 4 | RG22P-4EK.4C.1R | K | 2013 | 144 |
| | 3~ 400 V | 4 | RG22P-4DK.2F.1R | K | 2013 | 146 |
| | | 4 | RG22P-4DK.4C.1R | K | 2015 | 148 |
| 250 | 1~ 230 V | 4 | RG25P-4EK.4I.1R | K | - | 150 |
| | 3~ 400 V | 4 | RG25P-4DK.4I.1R | K | 2013 | 152 |
| 280 | 1~ 230 V | 4 | RG28P-4EK.6F.1R | K | 2015 | 154 |
| | 3~ 400 V | 4 | RG28P-4DK.6F.1R | K | 2015 | 156 |
| 315 | 1~ 230 V | 4 | RG31P-4EK.6N.1R | K | 2013 | 158 |
| | 3~ 400 V | 4 | RG31P-4DK.6F.1R | K | 2013 | 160 |
| | | 4 | RG31P-4DK.6K.1R | K | 2015 | 162 |
| 355 | 3~ 400 V | 4 | RG35P-4DK.7M.1R | K | 2015 | 164 |
| | | 6 | RG35P-6DK.6F.1R | K | 2015 | 166 |
| 400 | 3~ 400 V | 4 | RG40P-4DK.7Q.1R | K | 2015 | 168 |
| 200 | 1~ 230 V | 4 | RD20P-4EW.4F.1L | W | - | 170 |
| | 225 | 1~ 230 V | 4 | RD22P-4EW.4I.1L | W | 2015 |
| 3~ 400 V | | 4 | RD22P-4DW.4F.1L | W | 2015 | 174 |
| 250 | 1~ 230 V | 4 | RD25P-4EW.4N.1L | W | 2013 | 176 |
| | 3~ 400 V | 4 | RD25P-4DW.4I.1L | W | 2013 | 178 |
| 280 | 1~ 230 V | 4 | RD28P-4EW.6Q.1L | W | 2013 | 180 |
| | 3~ 400 V | 4 | RD28P-4DW.6L.1L | W | 2015 | 182 |
| 315 | 1~ 230 V | 4 | RD31P-4DW.6T.1L | W | 2013 | 184 |
| | 3~ 400 V | 6 | RD31P-6DW.6L.1L | W | 2015 | 186 |
| 355 | 3~ 400 V | 4 | RD35P-4DW.7T.1L | W | 2015 | 188 |
| 400 | 3~ 400 V | 4 | RD40P-4DW.7W.1L | W | 2015 | 190 |





P-series

for single phase alternating current, 4 pole

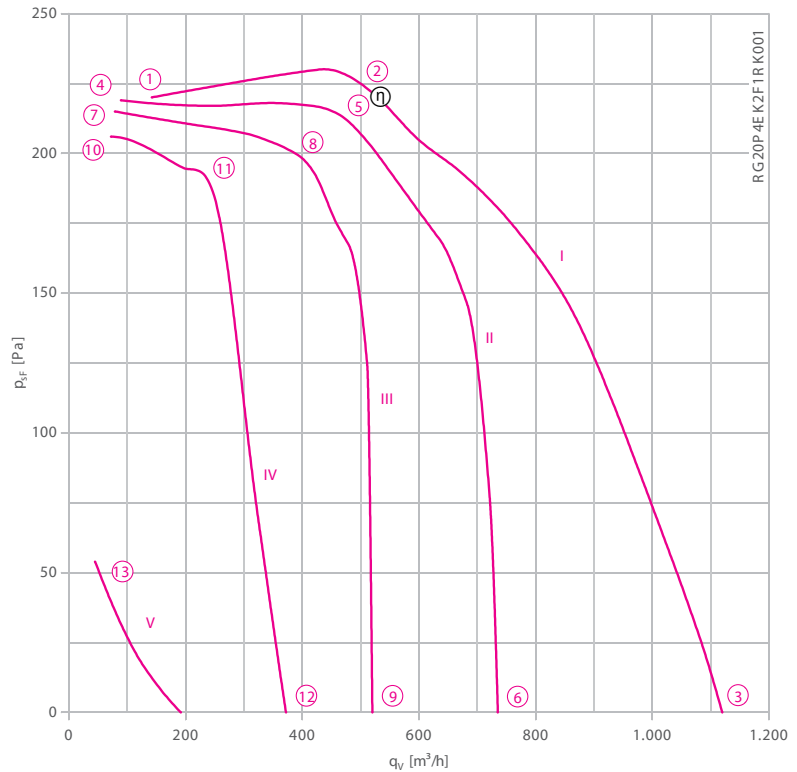
RG20P-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.29 kW*
 Rated current I_N : 1.45 A*
 Rated speed n_N : 1260 min⁻¹*
 Starting current I_A : 2.60 A
 Service capacitor C_{400V} : 5.0 μ F
 Dynamic pressure: $p_{d2} = 4.6 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 * Rated data

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

- Connection diagram
- System components

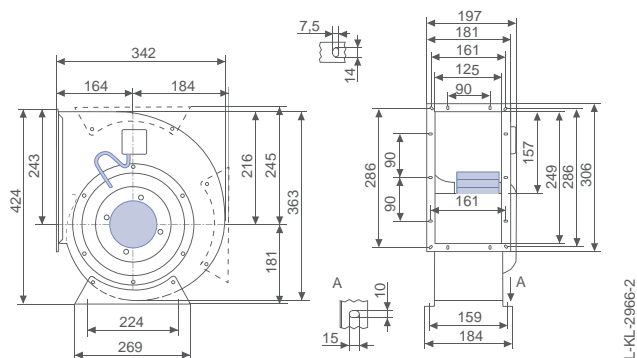
1360-104XA

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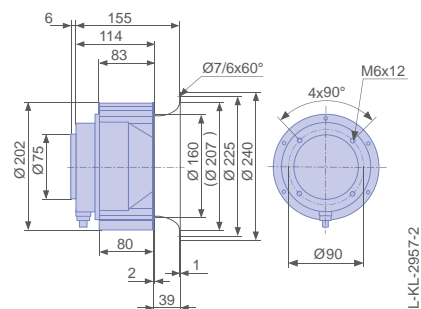
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Dimensions [mm]

Fan with housing, single inlet



Motorised impeller



Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|--------------------|------------------------|--------------------------------|
| | | U [V] | | I [A] | P _i [W] | n [min ⁻¹] | L _{WAS} [dB] |
| RG20P-4EK.2F.1R | I | 230 | ① | 0.96 | 140 | 1470 | |
| | | 230 | ② | 0.98 | 160 | 1450 | 73 |
| | | 230* | ③ | 1.45* | 290* | 1260* | 79 |
| | II | 160 | ④ | 0.47 | 72 | 1450 | |
| | | 160 | ⑤ | 0.58 | 91 | 1420 | 71 |
| | | 160 | ⑥ | 1.35 | 175 | 680 | 68 |
| | III | 130 | ⑦ | 0.43 | 57 | 1440 | |
| | | 130 | ⑧ | 0.64 | 80 | 1360 | 69 |
| | | 130 | ⑨ | 1.05 | 120 | 530 | 63 |
| | IV | 105 | ⑩ | 0.42 | 44 | 1410 | |
| | | 105 | ⑪ | 0.49 | 50 | 1360 | 65 |
| | | 105 | ⑫ | 0.83 | 66 | 430 | 64 |
| | V | 60 | ⑬ | 0.48 | 22 | 250 | |

*rated data

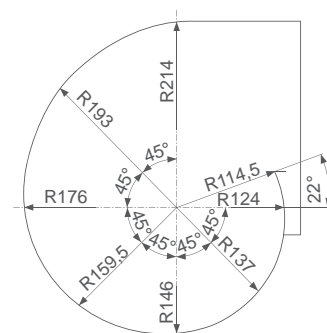
Fan ordering information

| | | |
|-----------------------|--|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm |
| |  |  |
| Type | RG20P-4EK.2F.1R | RE20P-4EK.2F.1R |
| Article no. | 209311 | 209309 |
| Weight [kg] | 10.60 | 4.00 |

Control technology

| | | | |
|---|--|---|---|
| <p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 296</p> | <p>Motor protection units 1~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 1~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 1~</p>  <p>➤ Page 310</p> |
|---|--|---|---|

Used housing



L-KL-2949-1

P-series

for three phase alternating current, 4 pole

RG20P-4D



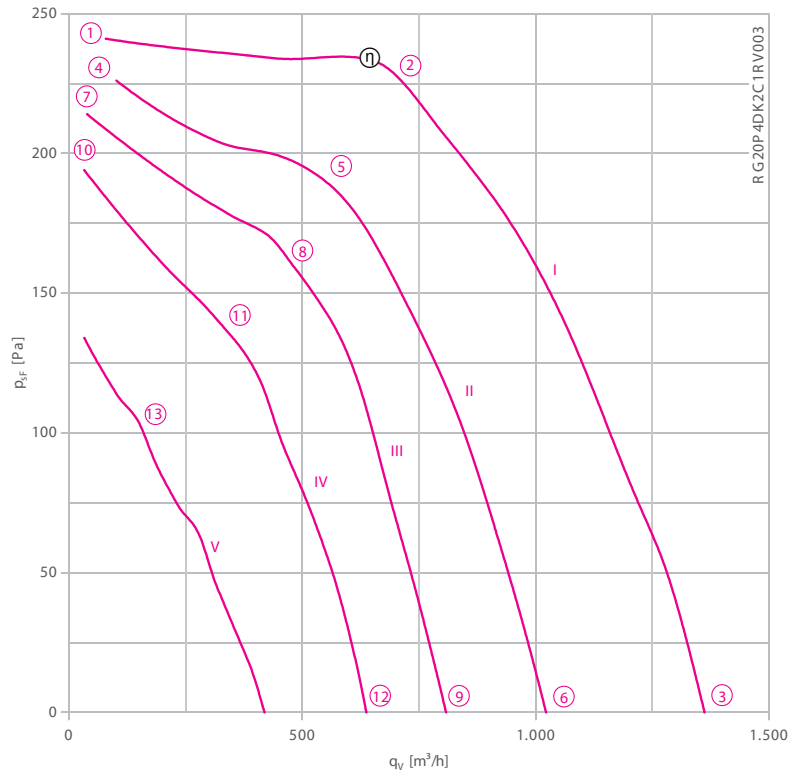
Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.31 kW*
 Rated current I_N : 0.89/0.51 A*
 Rated speed n_N : 1230 min⁻¹*
 Starting current I_A : 2.20 A / 1.20 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 4.4 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 70 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 Conformity: ErP 2015, CE

ErP-Data

Efficiency η_{statA} : 32.2 %
 Efficiency: $N_{actual} = 44.0 / N_{target} = 44$ **
 * Rated data
 **ErP 2015

Characteristic curve



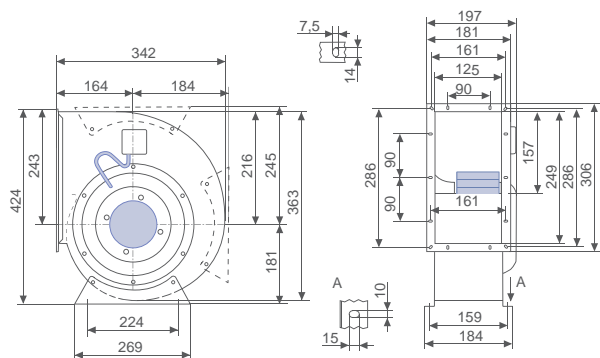
Measured in housing from ZIEHL-ABEGG.

- Connection diagram
- System components

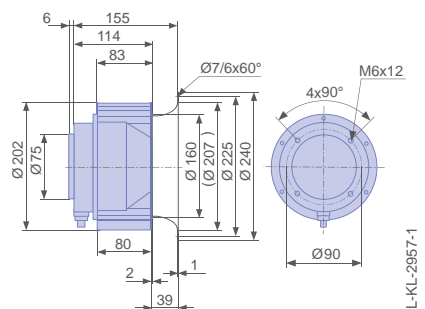
1360-106XA Page 367
 1360-106XA Page 262

Dimensions [mm]

Fan with housing, single inlet



Motorised impeller





Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG20P-4DK.2C.1R | I | 400 | ① | 0.35 | 66 | 1470 | |
| | | 400 | ② | 0.38 | 135 | 1400 | 73 |
| | | 400* | ③ | 0.51* | 310* | 1230* | 76 |
| | II | 230 | ④ | 0.20 | 39 | 1430 | |
| | | 230 | ⑤ | 0.29 | 95 | 1280 | 70 |
| | | 230 | ⑥ | 0.51 | 195 | 920 | 69 |
| | III | 180 | ⑦ | 0.17 | 34 | 1390 | |
| | | 180 | ⑧ | 0.27 | 73 | 1220 | 69 |
| | | 180 | ⑨ | 0.49 | 140 | 770 | 64 |
| | IV | 140 | ⑩ | 0.16 | 30 | 1320 | |
| | | 140 | ⑪ | 0.26 | 57 | 1090 | 58 |
| | | 140 | ⑫ | 0.43 | 93 | 590 | 57 |
| | V | 90 | ⑬ | 0.20 | 28 | 990 | |

*rated data

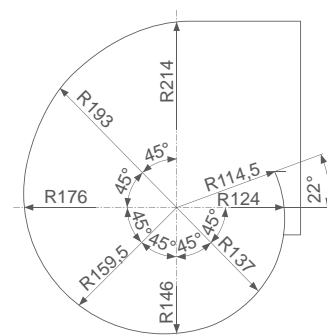
Fan ordering information

| | | |
|-----------------------|--|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm |
| |  |  |
| Type | RG20P-4DK.2C.1R | RE20P-4DK.2C.1R |
| Article no. | 209476 | 209475 |
| Weight [kg] | 9.60 | 3.70 |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-1

P-series

for single phase alternating current, 4 pole

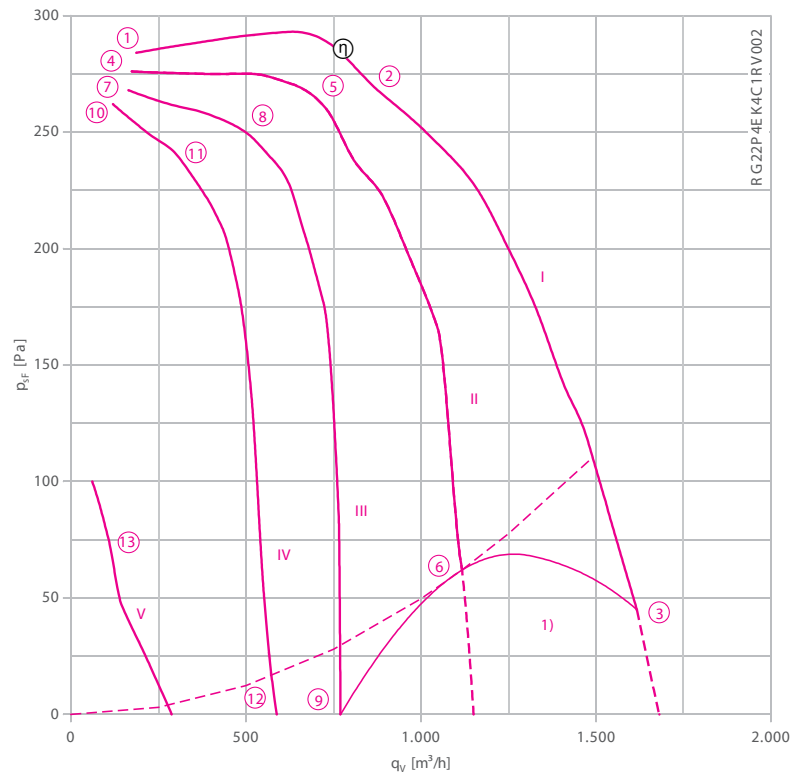
RG22P-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.51 kW*
 Rated current I_N : 2.30 A*
 Rated speed n_N : 1250 min⁻¹*
 Starting current I_A : 4.20 A
 Service capacitor C_{400V} : 8.0 μ F
 Dynamic pressure: $p_{d2} = 2.9 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{sF(min)}$: 50 Pa
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-data
 Efficiency η_{statA} : 27.7 %
 Efficiency: $N_{actual} = 37.4 / N_{target} = 37$ **
 * Rated data
 **ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

- Connection diagram
- System components

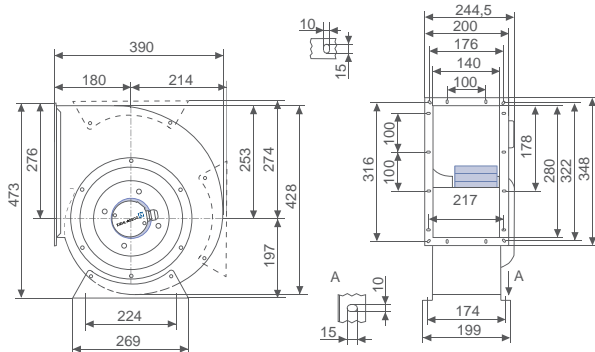
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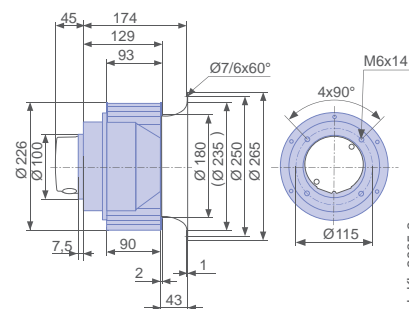
Dimensions [mm]

Fan with housing, single inlet



L-KL-29688-2

Motorised impeller





L-KL-29685-2

Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG22P-4EK.4C.1R | I | 230 | ① | 1.05 | 175 | 1460 | |
| | | 230 | ② | 1.40 | 290 | 1400 | 76 |
| | | 230* | ③ | 2.30* | 510* | 1250* | 79 |
| | II | 160 | ④ | 0.71 | 115 | 1450 | |
| | | 160 | ⑤ | 1.20 | 185 | 1340 | 72 |
| | | 160 | ⑥ | 2.20 | 330 | 910 | 73 |
| | III | 130 | ⑦ | 0.69 | 91 | 1410 | |
| | | 130 | ⑧ | 1.15 | 145 | 1310 | 61 |
| | | 130 | ⑨ | 2.10 | 240 | 600 | 63 |
| | IV | 105 | ⑩ | 0.70 | 74 | 1380 | |
| | | 105 | ⑪ | 0.95 | 97 | 1290 | 52 |
| | | 105 | ⑫ | 1.75 | 155 | 410 | 55 |
| | V | 60 | ⑬ | 0.90 | 48 | 800 | |

*rated data

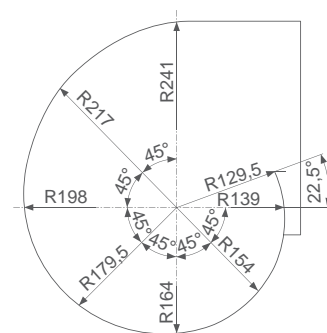
Fan ordering information

| | | |
|-----------------------|--|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box Mounted on motor. | Terminal box |
| |  |  |
| Type | RG22P-4EK.4C.1R | RE22P-4EK.4C.1R |
| Article no. | 112983 | 112974 |
| Weight [kg] | 12.00 | 5.80 |

Control technology

| | | | |
|---|--|---|---|
| <p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 296</p> | <p>Motor protection units 1~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 1~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 1~</p>  <p>➤ Page 310</p> |
|---|--|---|---|

Used housing



L-KL-2949-2

P-series

for three phase alternating current, 4 pole

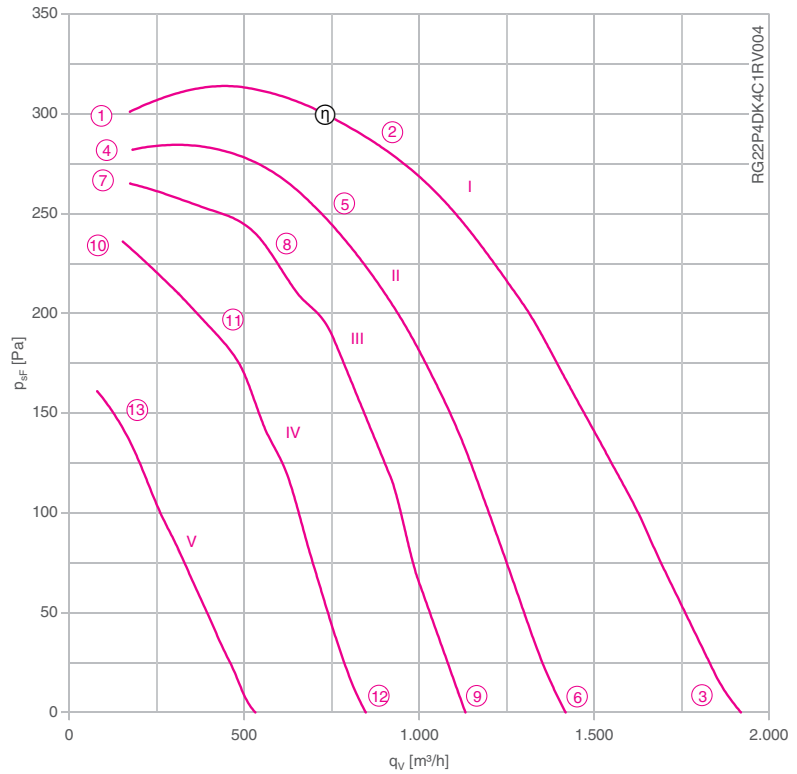
RG22P-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.56 kW*
 Rated current I_N : 1.65/0.95 A*
 Rated speed n_N : 1270 min⁻¹*
 Starting current I_s : 4.00 A / 2.80 A
 Dynamic pressure: $p_{d2} = 2.9 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-data
 Efficiency η_{statA} : 26.9 %
 Efficiency: $N_{actual} = 37.2 / N_{target} = 37$ **
 * Rated data
 **ErP 2013

Characteristic curve

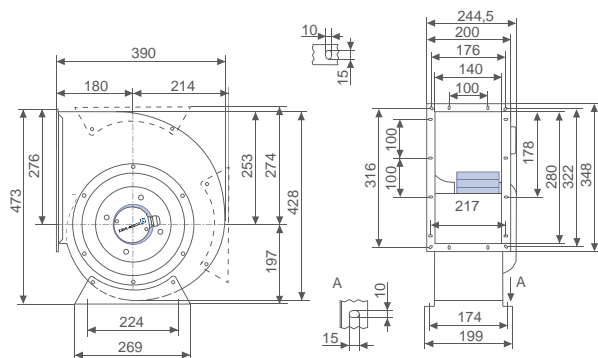


Measured in housing from ZIEHL-ABEGG.

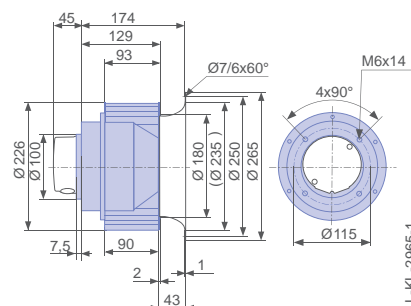
- Connection diagram 1360-106XA Page 367
- System components Page 262

Dimensions [mm]

Fan with housing, single inlet



Motorised impeller





Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG22P-4DK.4C.1R | I | 400 | ① | 0.62 | 135 | 1470 | |
| | | 400 | ② | 0.68 | 270 | 1420 | 77 |
| | | 400* | ③ | 0.95* | 560* | 1270* | 79 |
| | II | 230 | ④ | 0.35 | 91 | 1440 | |
| | | 230 | ⑤ | 0.53 | 180 | 1330 | 71 |
| | | 230 | ⑥ | 1.10 | 400 | 980 | 68 |
| | III | 180 | ⑦ | 0.34 | 82 | 1390 | |
| | | 180 | ⑧ | 0.61 | 170 | 1220 | 69 |
| | | 180 | ⑨ | 1.05 | 290 | 790 | 63 |
| | IV | 140 | ⑩ | 0.36 | 75 | 1310 | |
| | | 140 | ⑪ | 0.53 | 115 | 1160 | 65 |
| | | 140 | ⑫ | 0.92 | 195 | 620 | 64 |
| | V | 90 | ⑬ | 0.44 | 62 | 1020 | |

*rated data

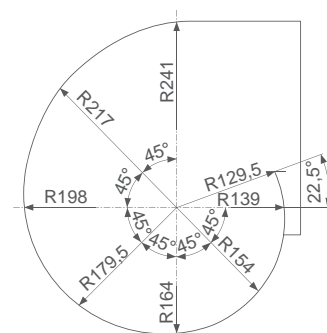
Fan ordering information

| | | |
|-----------------------|--|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box Mounted on motor. | Terminal box |
| |  |  |
| Type | RG22P-4DK.4C.1R | RE22P-4DK.4C.1R |
| Article no. | 112982 | 112973 |
| Weight [kg] | 12.00 | 5.80 |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-2

P-series

for three phase alternating current, 4 pole

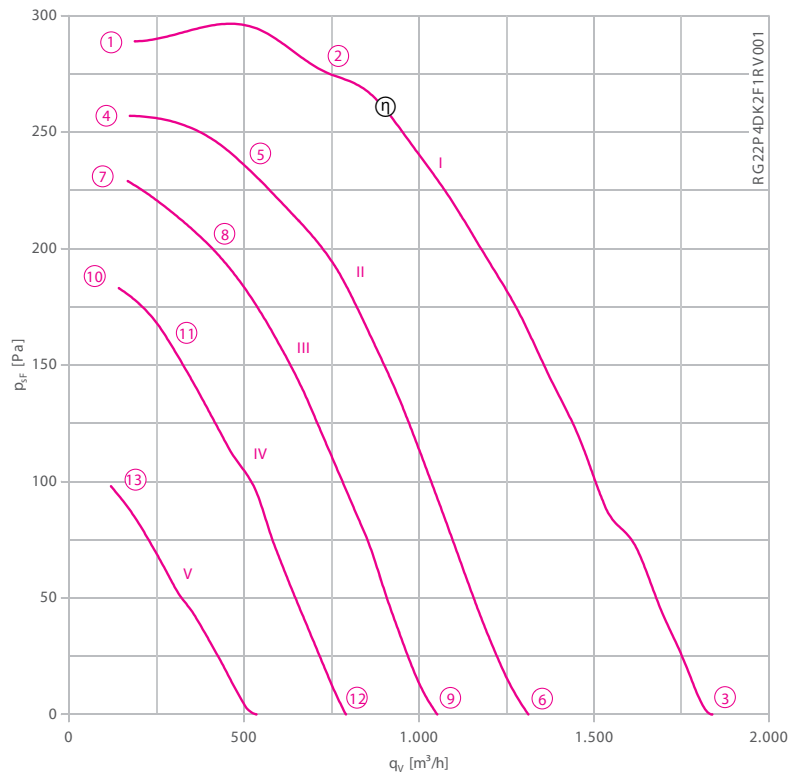
RG22P-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.51 kW*
 Rated current I_N : 1.50/0.87 A*
 Rated speed n_N : 1190 min⁻¹*
 Starting current I_s : 3.40 A / 2.00 A
 Dynamic pressure: $p_{d2} = 2.9 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(\min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(\max)}$: 55 °C
 Protection class: IP44
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 33.3 %
 Efficiency: $N_{actual} = 44.0 / N_{target} = 44$ **
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

- Connection diagram
- System components

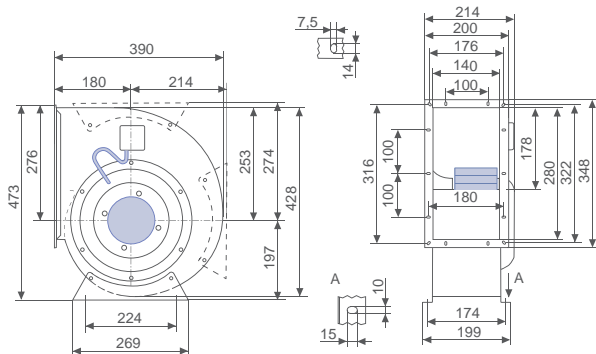
1360-106XA

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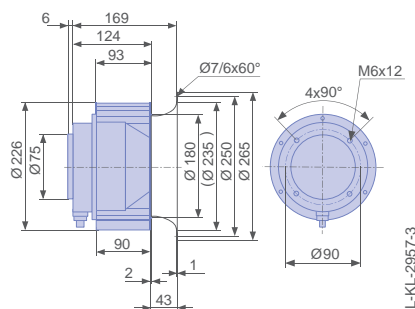
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Dimensions [mm]

Fan with housing, single inlet



Motorised impeller



Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG22P-4DK.2F.1R | I | 400 | ① | 0.47 | 135 | 1450 | |
| | | 400 | ② | 0.54 | 250 | 1370 | 77 |
| | | 400* | ③ | 0.87* | 510* | 1190* | 80 |
| | II | 230 | ④ | 0.31 | 92 | 1360 | |
| | | 230 | ⑤ | 0.45 | 160 | 1230 | 74 |
| | | 230 | ⑥ | 0.81 | 310 | 860 | 72 |
| | III | 180 | ⑦ | 0.30 | 81 | 1290 | |
| | | 180 | ⑧ | 0.44 | 125 | 1140 | 73 |
| | | 180 | ⑨ | 0.73 | 210 | 710 | 68 |
| | IV | 140 | ⑩ | 0.31 | 70 | 1170 | |
| | | 140 | ⑪ | 0.35 | 80 | 1110 | 72 |
| | | 140 | ⑫ | 0.62 | 140 | 570 | 62 |
| | V | 90 | ⑬ | 0.33 | 49 | 830 | |

*rated data

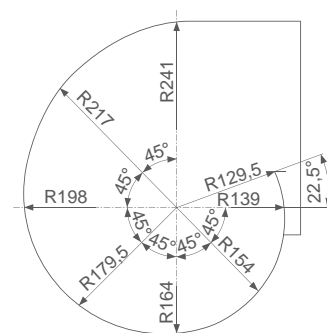
Fan ordering information

| | | |
|-----------------------|--|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm |
| |  |  |
| Type | RG22P-4DK.2F.1R | RE22P-4DK.2F.1R |
| Article no. | 210162 | 210157 |
| Weight [kg] | 11.60 | 4.70 |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-2

P-series

for single phase alternating current, 4 pole

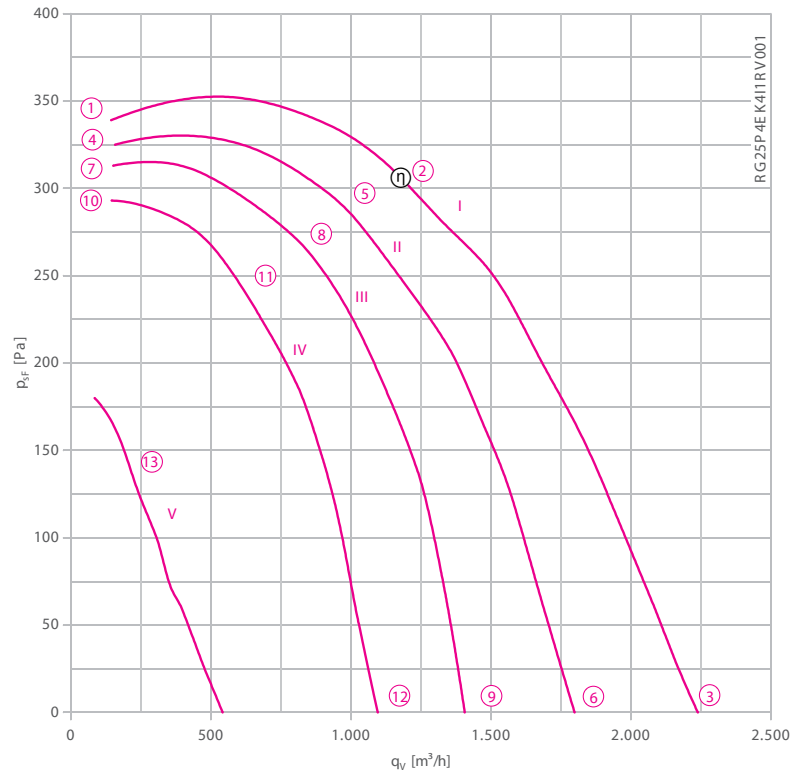
RG25P-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.78 kW*
 Rated current I_N : 3.40 A*
 Rated speed n_N : 1230 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 14.0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 50 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

- Connection diagram
- System components

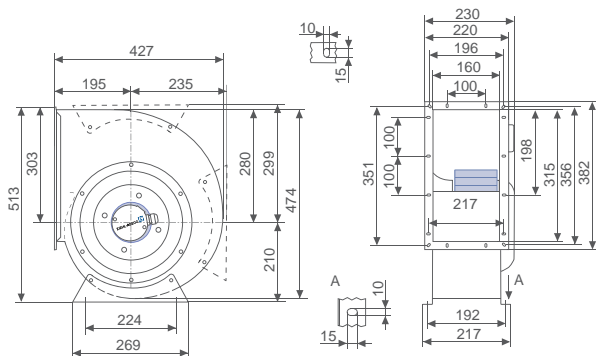
1360-104XA

Page 367

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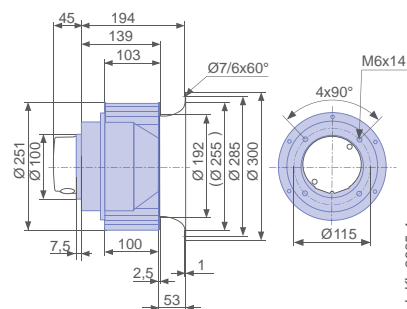
Dimensions [mm]

Fan with housing, single inlet



L-KL-2968-4

Motorised impeller





L-KL-2965-4

Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|--------------------|------------------------|--------------------------------|
| | | U [V] | | I [A] | P ₁ [W] | n [min ⁻¹] | L _{WA5} [dB] |
| RG25P-4EK.4I.1R | I | 230 | ① | 1.90 | 320 | 1450 | |
| | | 230 | ② | 2.40 | 460 | 1390 | 80 |
| | | 230* | ③ | 3.40* | 780* | 1230* | 83 |
| | II | 160 | ④ | 1.30 | 200 | 1430 | |
| | | 160 | ⑤ | 2.00 | 320 | 1310 | 78 |
| | | 160 | ⑥ | 3.70 | 580 | 1000 | 78 |
| | III | 130 | ⑦ | 1.25 | 155 | 1400 | |
| | | 130 | ⑧ | 1.95 | 250 | 1270 | 77 |
| | | 130 | ⑨ | 3.50 | 430 | 780 | 71 |
| | IV | 105 | ⑩ | 1.20 | 125 | 1350 | |
| | | 105 | ⑪ | 1.80 | 185 | 1210 | 76 |
| | | 105 | ⑫ | 3.10 | 310 | 610 | 64 |
| | V | 60 | ⑬ | 1.50 | 86 | 940 | |

*rated data

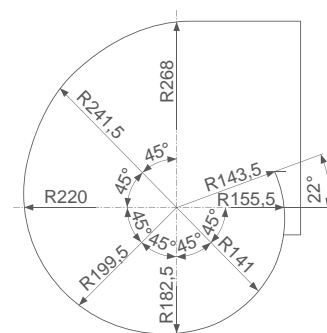
Fan ordering information

| | | |
|-----------------------|--|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box Mounted on motor. | Terminal box |
| |  |  |
| Type | RG25P-4EK.4I.1R | RE25P-4EK.4I.1R |
| Article no. | 112987 | 112978 |
| Weight [kg] | 16.50 | 9.10 |

Control technology

| | | | |
|---|--|---|---|
| <p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 296</p> | <p>Motor protection units 1~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 1~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 1~</p>  <p>➤ Page 310</p> |
|---|--|---|---|

Used housing



L-KL-2949-3

P-series

for three phase alternating current, 4 pole

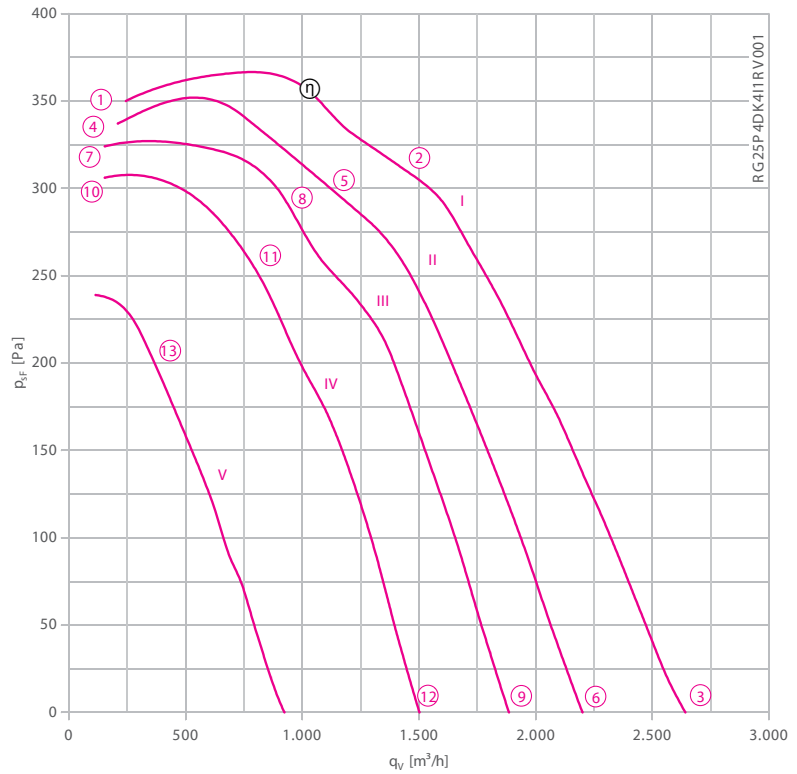
RG25P-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.93 kW*
 Rated current I_N : 3.30/1.90 A*
 Rated speed n_N : 1380 min⁻¹*
 Starting current I_s : 12.00 A / 7.00 A
 Dynamic pressure: $p_{d2} = 1.65 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 50 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-data
 Efficiency η_{statA} : 30.9 %
 Efficiency: $N_{actual} = 40.0 / N_{target} = 37$ **
 * Rated data
 **ErP 2013

Characteristic curve

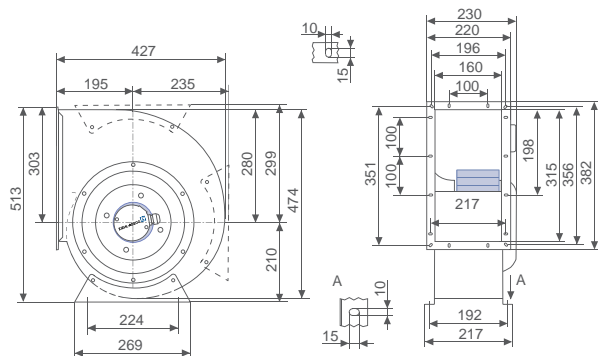


Measured in housing from ZIEHL-ABEGG.

- Connection diagram 1360-106XA Page 367
- System components Page 262

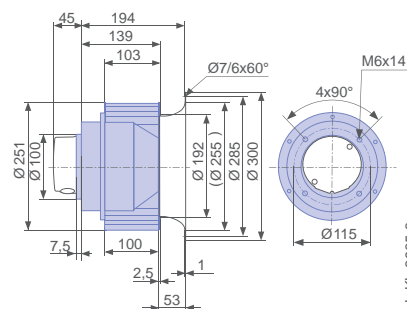
Dimensions [mm]

Fan with housing, single inlet



L-KL-2968-3

Motorised impeller





L-KL-2965-3

Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{wAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG25P-4DK.4I.1R | I | 400 | ① | 1.60 | 250 | 1480 | |
| | | 400 | ② | 1.70 | 500 | 1440 | 80 |
| | | 400* | ③ | 1.90* | 930* | 1380* | 86 |
| | II | 230 | ④ | 0.78 | 160 | 1460 | |
| | | 230 | ⑤ | 1.05 | 310 | 1400 | 80 |
| | | 230 | ⑥ | 2.10 | 720 | 1180 | 82 |
| | III | 180 | ⑦ | 0.67 | 130 | 1430 | |
| | | 180 | ⑧ | 1.05 | 260 | 1350 | 79 |
| | | 180 | ⑨ | 2.20 | 570 | 1010 | 78 |
| | IV | 140 | ⑩ | 0.66 | 125 | 1390 | |
| | | 140 | ⑪ | 1.00 | 210 | 1280 | 77 |
| | | 140 | ⑫ | 2.00 | 400 | 820 | 72 |
| | V | 90 | ⑬ | 1.00 | 135 | 1050 | |

*rated data

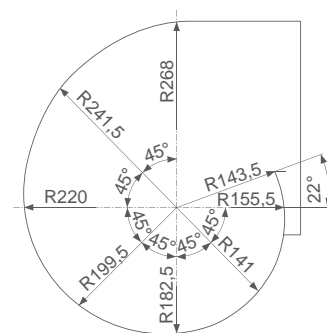
Fan ordering information

| | | |
|-----------------------|--|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box Mounted on motor. | Terminal box |
| |  |  |
| Type | RG25P-4DK.4I.1R | RE25P-4DK.4I.1R |
| Article no. | 112985 | 112976 |
| Weight [kg] | 16.50 | 9.10 |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-3



Information

RM..D-ECblue

RM..D

RG..R-ECblue

RG/RD..P

RG/RD..S

System components

Control technology

General notes

P-series

for single phase alternating current, 4 pole

RG28P-4E



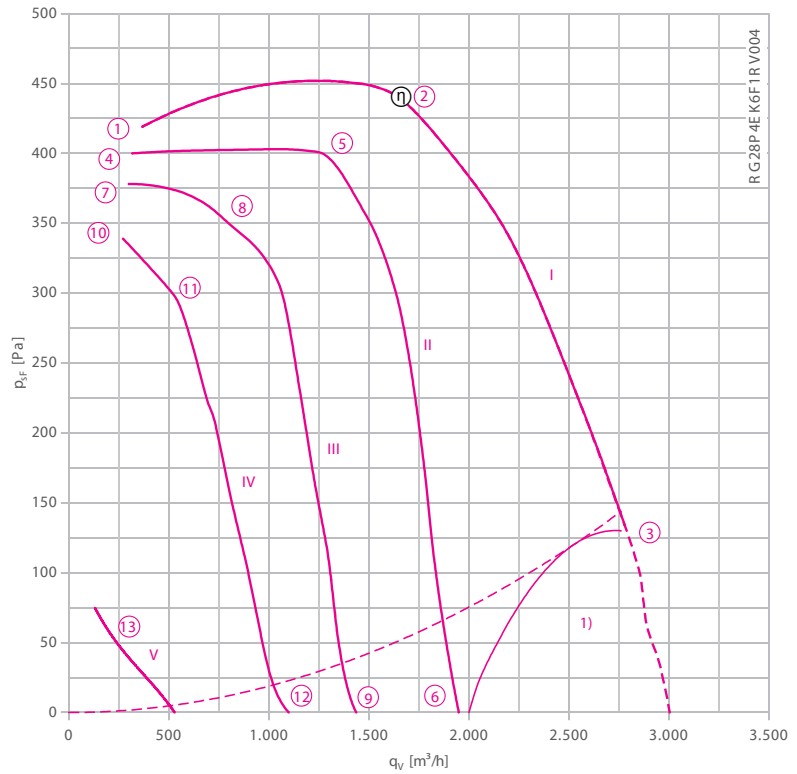
Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 1.15 kW*
 Rated current I_N : 5.10 A*
 Rated speed n_N : 1210 min⁻¹*
 Starting current I_A : 9.00 A
 Service capacitor C_{400V} : 16.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 130 Pa
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 34.9 %
 Efficiency: $N_{actual} = 44.2 / N_{target} = 44$ **
 Frequency inverter required
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

- Connection diagram
- System components

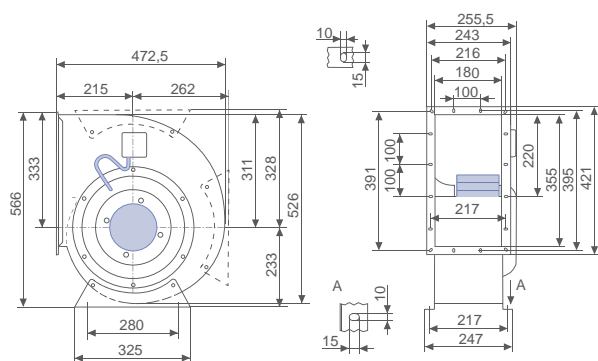
1360-104XA

Page 367

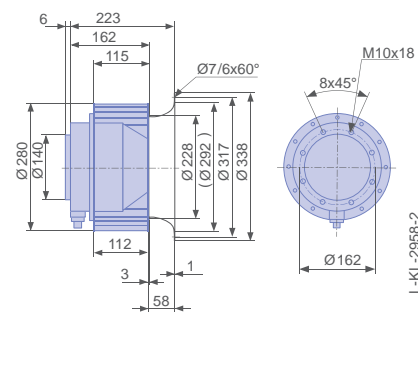
Page 262

Dimensions [mm]

Fan with housing, single inlet



Motorised impeller





Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|--------------------|------------------------|--------------------------------|
| | | U [V] | | I [A] | P ₁ [W] | n [min ⁻¹] | |
| RG28P-4EK.6F.1R | I | 230 | ① | 2.40 | 420 | | |
| | | 230 | ② | 3.40 | 700 | 81 | |
| | | 230* | ③ | 5.10* | 1150* | 83* | |
| | II | 160 | ④ | 1.00 | 300 | | |
| | | 160 | ⑤ | 3.00 | 460 | 75 | |
| | | 160 | ⑥ | 5.10 | 760 | 72 | |
| | III | 130 | ⑦ | 1.90 | 250 | | |
| | | 130 | ⑧ | 2.70 | 330 | 69 | |
| | | 130 | ⑨ | 4.50 | 490 | 65 | |
| | IV | 105 | ⑩ | 1.95 | 200 | | |
| | | 105 | ⑪ | 2.50 | 240 | 62 | |
| | | 105 | ⑫ | 3.60 | 310 | 57 | |
| | V | 60 | ⑬ | 2.00 | 93 | | |

*rated data

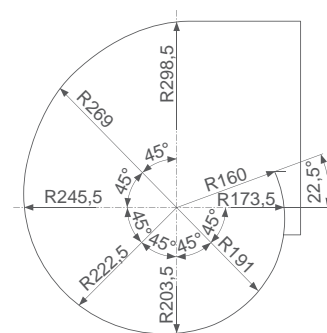
Fan ordering information

| | | |
|-----------------------|---|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm |
| |  |  |
| Type | RG28P-4EK.6F.1R | RE28P-4EK.6F.1R |
| Article no. | 210237 | 209614 |
| Weight [kg] | 26.30 | 14.30 |

Control technology

| | | | |
|---|--|---|---|
| <p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 296</p> | <p>Motor protection units 1~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 1~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 1~</p>  <p>➤ Page 310</p> |
|---|--|---|---|

Used housing



L-KL-2949-4

P-series

for three phase alternating current, 4 pole

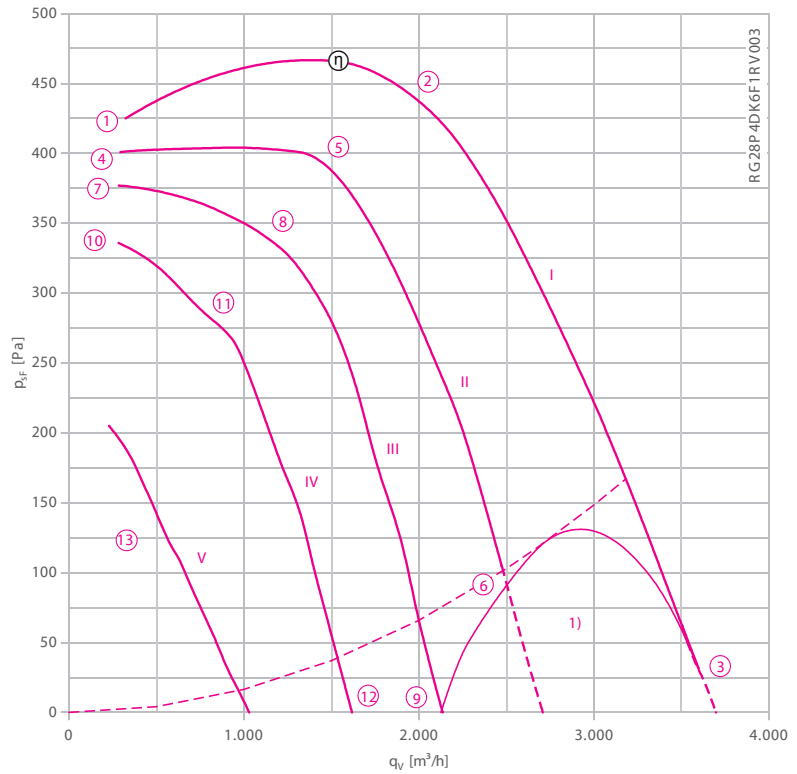
RG28P-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 1.50 kW*
 Rated current I_N : 4.40/2.60 A*
 Rated speed n_N : 1310 min⁻¹*
 Starting current I_s : 16.00 A / 9,50 A
 Dynamic pressure: $p_{d2} = 1.1 \cdot 10^{-5} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 30 Pa
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 39.2 %
 Efficiency: $N_{actual} = 47.1 / N_{target} = 44$ **
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

- Connection diagram
- System components

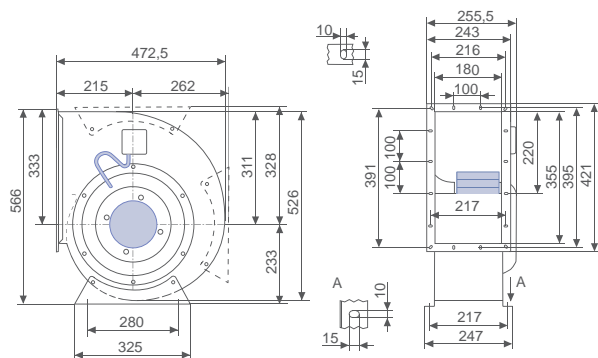
1360-106XA

Page 367

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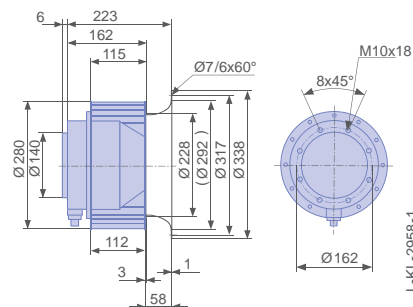
Dimensions [mm]

Fan with housing, single inlet



L-KL-2956-4

Motorised impeller




L-KL-2956-1

Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG28P-4DK.6F.1R | I | 400 | ① | 1.40 | 300 | 1480 | |
| | | 400 | ② | 1.75 | 720 | 1420 | 82 |
| | | 400* | ③ | 2.60* | 1500* | 1310* | 88 |
| | II | 230 | ④ | 0.84 | 220 | 1440 | |
| | | 230 | ⑤ | 1.40 | 470 | 1340 | 79 |
| | | 230 | ⑥ | 2.60 | 950 | 1060 | 80 |
| | III | 180 | ⑦ | 0.84 | 210 | 1390 | |
| | | 180 | ⑧ | 1.55 | 420 | 1230 | 75 |
| | | 180 | ⑨ | 2.60 | 710 | 810 | 75 |
| | IV | 140 | ⑩ | 0.95 | 190 | 1330 | |
| | | 140 | ⑪ | 1.55 | 330 | 1120 | 69 |
| | | 140 | ⑫ | 2.50 | 470 | 600 | 69 |
| | V | 90 | ⑬ | 1.35 | 170 | 850 | |

*rated data

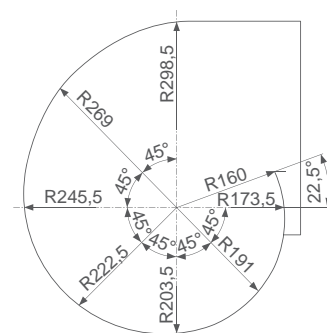
Fan ordering information

| | | |
|-----------------------|--|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm |
| |  |  |
| Type | RG28P-4DK.6F.1R | RE28P-4DK.6F.1R |
| Article no. | 210195 | 152814 |
| Weight [kg] | 26.30 | 14.30 |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-4

P-series

for single phase alternating current, 4 pole

RG31P-4E



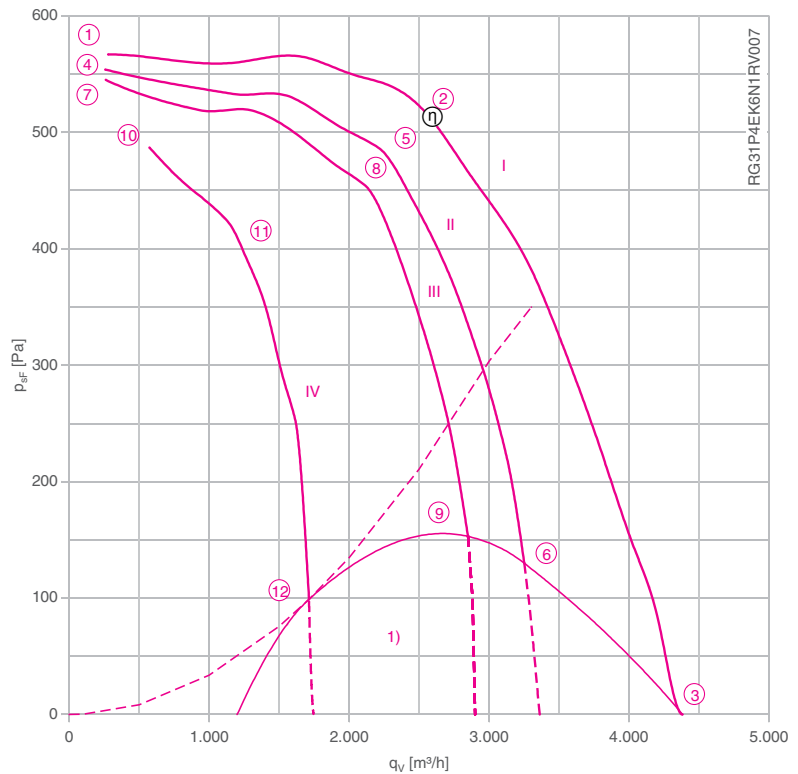
Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 2.40 kW*
 Rated current I_N : 11.00 A*
 Rated speed n_N : 1340 min⁻¹*
 Starting current I_A : 26.00 A
 Service capacitor C_{400V} : 35.0 μ F
 Dynamic pressure: $p_{d2} = 7.1 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 0 Pa
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 Conformity: ErP 2013, CE

ErP-data

Efficiency η_{statA} : 31.1 %
 Efficiency: $N_{actual} = 37.0 / N_{target} = 37$ **
 * Rated data
 **ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

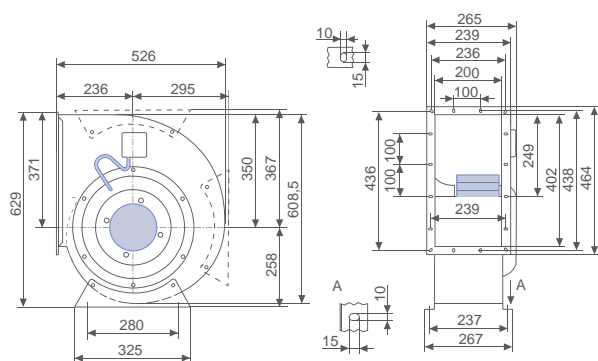
1) Do not operate in this area

- Connection diagram
- System components

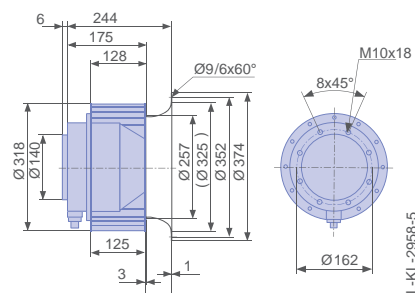
1360-104XA Page 367
 1360-104XA Page 262

Dimensions [mm]

Fan with housing, single inlet



Motorised impeller





Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG31P-4EK.6N.1R | I | 230 | ① | 2.80 | 610 | 1470 | |
| | | 230 | ② | 5.40 | 1250 | 1420 | 86 |
| | | 230* | ③ | 11.00* | 2400* | 1340* | 92 |
| | II | 170 | ④ | 2.80 | 470 | 1460 | |
| | | 170 | ⑤ | 5.60 | 960 | 1360 | 83 |
| | | 170 | ⑥ | 11.00 | 1700 | 1050 | 90 |
| | III | 155 | ⑦ | 2.80 | 420 | 1450 | |
| | | 155 | ⑧ | 6.00 | 910 | 1320 | 80 |
| | | 155 | ⑨ | 10.00 | 1450 | 1040 | 87 |
| | IV | 110 | ⑩ | 3.00 | 330 | 1400 | |
| | | 110 | ⑪ | 4.90 | 520 | 1270 | 79 |
| | | 110 | ⑫ | 8.60 | 840 | 730 | 79 |

*rated data

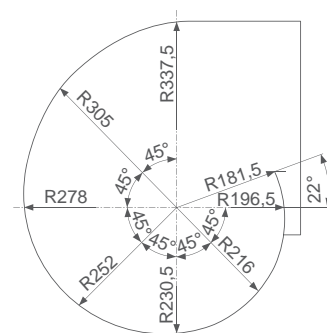
Fan ordering information

| | | |
|-----------------------|---|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm |
| |  |  |
| Type | RG31P-4EK.6N.1R | RE31P-4EK.6N.1R |
| Article no. | 110522 | 107718H |
| Weight [kg] | 35.10 | 22.80 |

Control technology

| | | | |
|---|--|---|---|
| <p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 296</p> | <p>Motor protection units 1~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 1~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 1~</p>  <p>➤ Page 310</p> |
|---|--|---|---|

Used housing



L-KL-2949-5

P-Reihe

für Dreiphasen-Wechselstrom, 4-polig

RG31P-4D



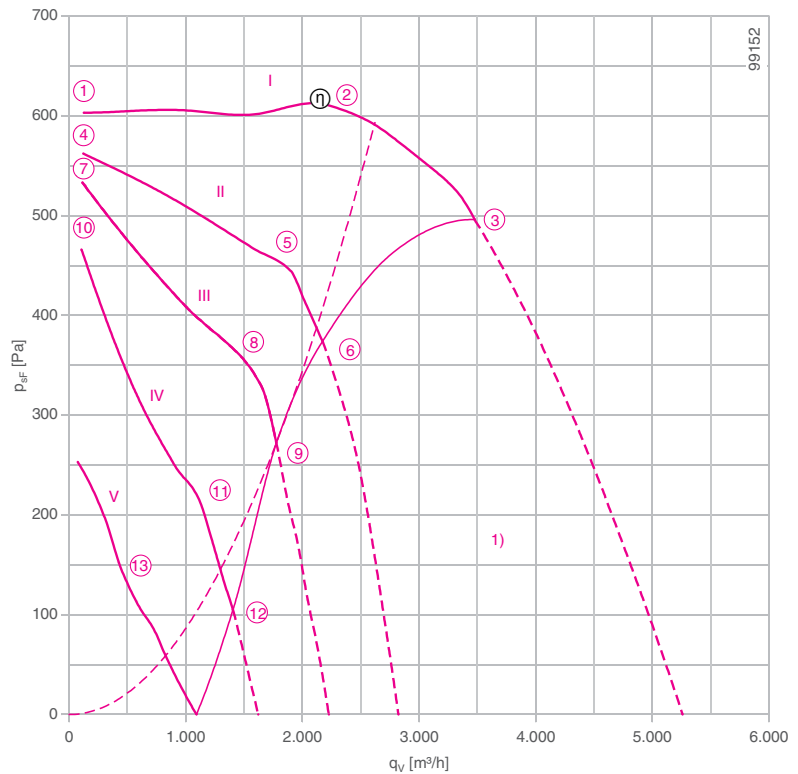
Beschreibung

Motortechnologie: AC
 Bemessungsspannung U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *
 Bemessungsfrequenz f_N : 50 Hz*
 Aufnahmeleistung P_1 : 1.65 kW*
 Bemessungsstrom I_N : 5.00/2.90 A*
 Bemessungsdrehzahl n_N : 1360 min⁻¹*
 Thermische Klasse: THCL155*
 Min. zulässige Fördermitteltemperatur $t_{R(min)}$: -20 °C
 Max. zulässige Fördermitteltemperatur $t_{R(max)}$: 50 °C
 Mindestpressung $p_{sF(min)}$: 500 Pa
 Schutzart: IP54
 Motorschutz: Thermostatschalter
 Lüfterrad: Verzinktes Blech, unlackiert
 Motor: 1-Schicht-Lackierung, kieselgrau
 Gehäuse: Gehäuse unlackiert
 Konformität: ErP 2015, CE

ErP-Daten

Wirkungsgrad η_{statA} : 38.6 %
 Effizienzgrad: $N_{ist} = 45.0 / N_{soll} = 44$ **
 * Leistungsschilddaten
 **ErP 2015

Kennlinie

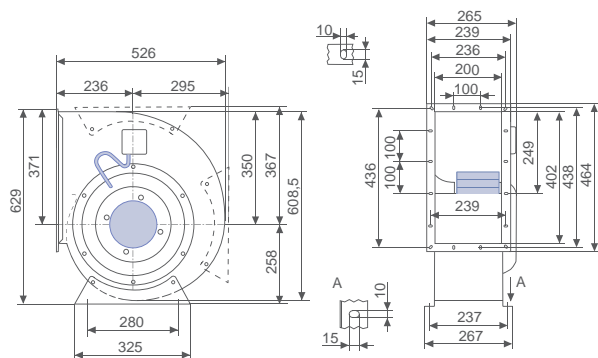


Gemessen in Ziehl-Abegg Gehäuse.
 1) In diesem Bereich nicht einsetzbar

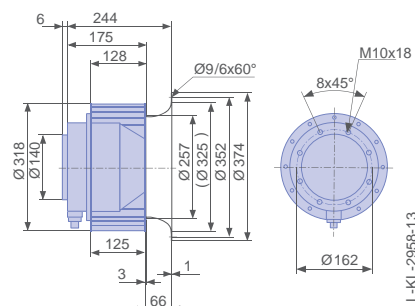
- Anschlusschaltbild 1360-106XA Seite 367
- Systemkomponenten Seite 262

Abmessungen [mm]

Gehäuseventilator einflütig



Motorlüfterrad



Leistungsdaten

| Typbezeichnung | Kennlinie | Spannung | Betriebspunkt | Strom | Aufnahmeleistung | Drehzahl | Schalleistungspegel saugseitig |
|-----------------|-----------|----------|---------------|-------|--------------------|----------|--------------------------------|
| | | U [V] | | I [A] | P _i [W] | | |
| RG31P-4DK.6F.1R | I | 400 | ① | 1,45 | 480 | 1450 | |
| | | 400 | ② | 2,20 | 1100 | 1370 | 83 |
| | | 400* | ③ | 2,90* | 1650* | 1260* | 84 |
| | II | 230 | ④ | 1,25 | 390 | 1360 | |
| | | 230 | ⑤ | 2,00 | 690 | 1210 | 80 |
| | | 230 | ⑥ | 2,90 | 1000 | 950 | 77 |
| | III | 180 | ⑦ | 1,35 | 360 | 1280 | |
| | | 180 | ⑧ | 2,00 | 540 | 1060 | 76 |
| | | 180 | ⑨ | 2,90 | 750 | 630 | 70 |
| | IV | 140 | ⑩ | 1,50 | 310 | 1120 | |
| | | 140 | ⑪ | 1,85 | 370 | 970 | 74 |
| | | 140 | ⑫ | 2,60 | 480 | 410 | 63 |
| | V | 90 | ⑬ | 1,50 | 180 | 650 | |

*Leistungsschilddaten

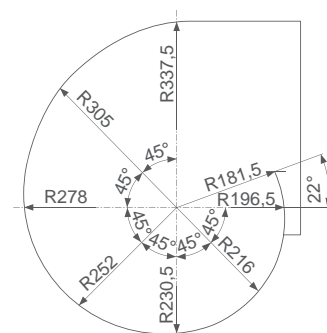
Bestellinformationen Ventilator

| | | |
|------------------------|--|--------------------------------|
| Bauform | RG | RE |
| Einbaulage | H | H/Vu/Vo |
| Elektrischer Anschluss | Klemmenkasten fest am Gehäuse aufgebaut. | Anschlusskabel seitlich, 105cm |
| Typ | RG31P-4DK.6F.1R | RE31P-4DK.6F.1R |
| Artikel-Nr. | 161879 | 161880 |
| Gewicht [kg] | 28,70 | 14,80 |

Regeltechnik

| | | | |
|---|--|--|---|
| <p>Frequenzrichter Fcontrol 3~</p>  <p>➤ Seite 302</p> | <p>Motorschutzgeräte 3~</p>  <p>➤ Seite 344</p> | <p>Transformatorische Steuergeräte 3~</p>  <p>➤ Seite 334</p> | <p>Elektronische Spannungsregelgeräte 3~</p>  <p>➤ Seite 324</p> |
|---|--|--|---|

Verwendetes Gehäuse



L-KL-2949-5

P-series

for three phase alternating current, 4 pole

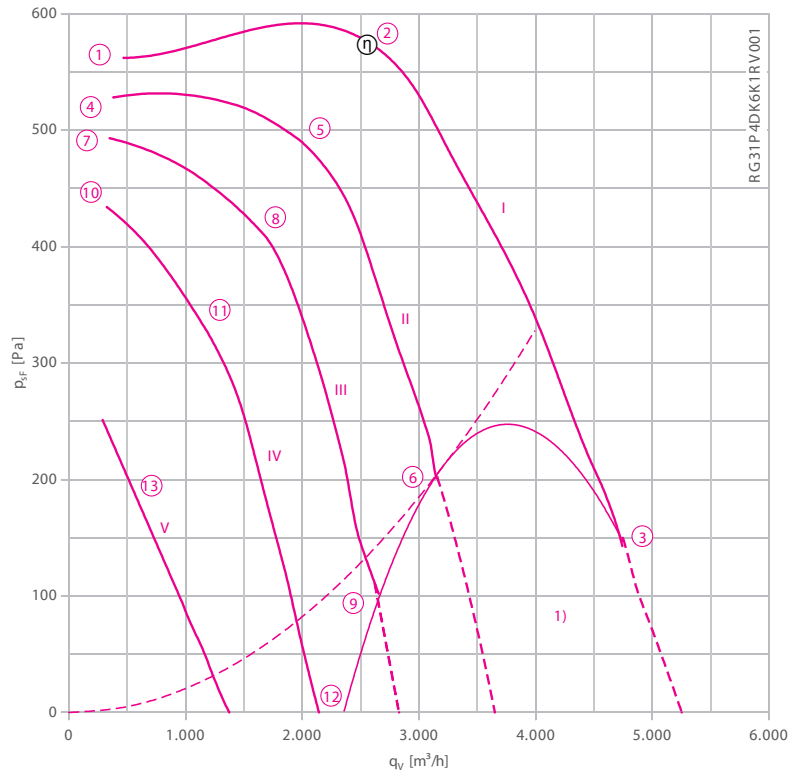
RG31P-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 2.50 kW*
 Rated current I_N : 7.10/4.10 A*
 Rated speed n_N : 1300 min⁻¹*
 Starting current I_s : 24.00 A / 13.00 A
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 150 Pa
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 38.8 %
 Efficiency: $N_{actual} = 45.9 / N_{target} = 44$ **
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

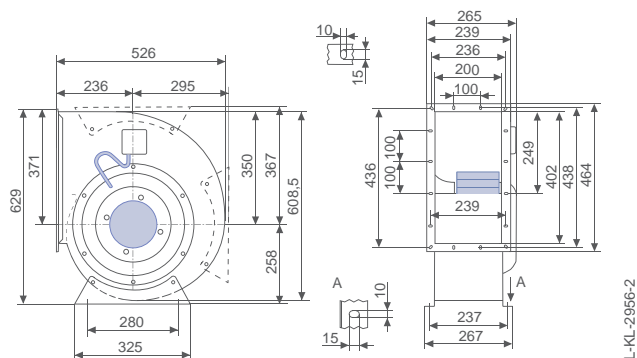
1) Do not operate in this area

- Connection diagram
- System components

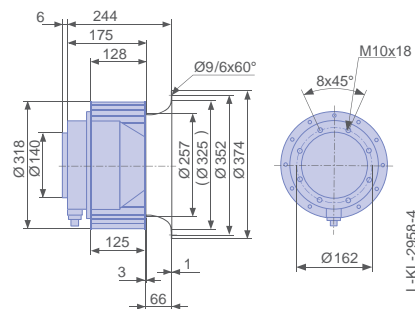
1360-106XA Page 367
 Page 262

Dimensions [mm]

Fan with housing, single inlet



Motorised impeller





Performance data



| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG31P-4DK.6K.1R | I | 400 | ① | 1.85 | 490 | | |
| | | 400 | ② | 2.60 | 1200 | 85 | |
| | | 400* | ③ | 4.10* | 2500* | 91* | |
| | II | 230 | ④ | 1.35 | 400 | | |
| | | 230 | ⑤ | 2.60 | 900 | 82 | |
| | | 230 | ⑥ | 4.10 | 1500 | 83 | |
| | III | 180 | ⑦ | 1.45 | 390 | | |
| | | 180 | ⑧ | 2.30 | 610 | 81 | |
| | | 180 | ⑨ | 4.10 | 1150 | 78 | |
| | IV | 140 | ⑩ | 1.65 | 350 | | |
| | | 140 | ⑪ | 2.60 | 540 | 77 | |
| | | 140 | ⑫ | 4.10 | 790 | 71 | |
| | V | 90 | ⑬ | 2.50 | 310 | | |

*rated data

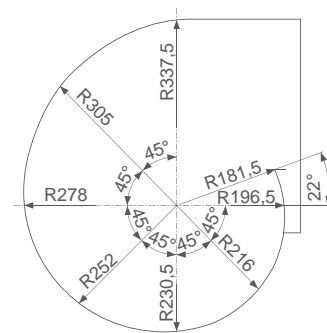
Fan ordering information

| | | |
|-----------------------|---|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm |
| |  |  |
| Type | RG31P-4DK.6K.1R | RE31P-4DK.6K.1R |
| Article no. | 209461 | 152815 |
| Weight [kg] | 32.30 | 18.60 |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-5

P-series

for three phase alternating current, 4 pole

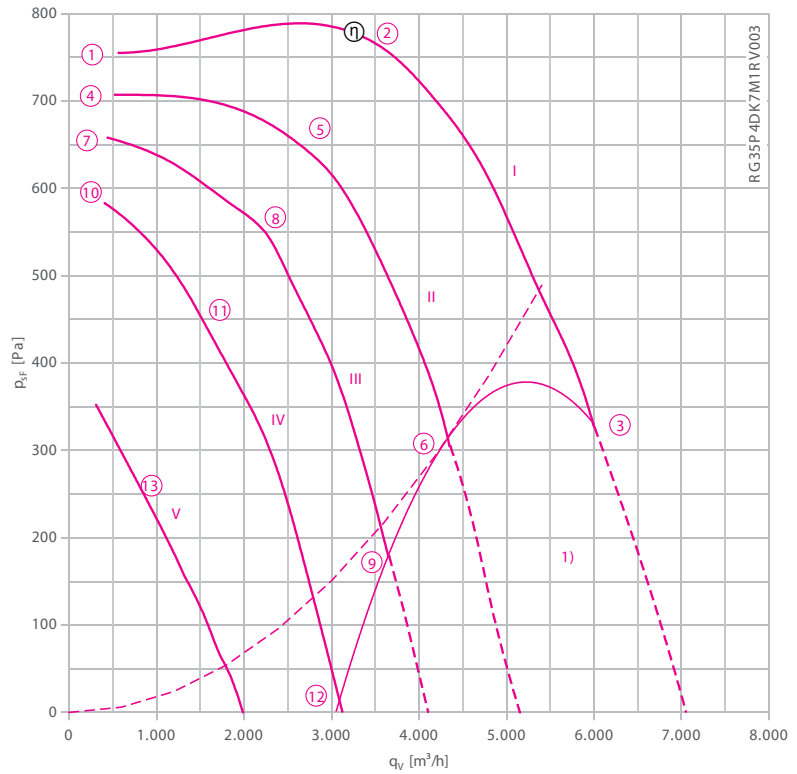
RG35P-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 3.70 kW*
 Rated current I_N : 10.50/6.00 A*
 Rated speed n_N : 1320 min⁻¹*
 Starting current I_s : 42.00 A / 24.00 A
 Dynamic pressure: $p_{d2} = 4.5 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 330 Pa
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 41.2 %
 Efficiency: $N_{actual} = 46.3 / N_{target} = 44$ **
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

- Connection diagram
- System components

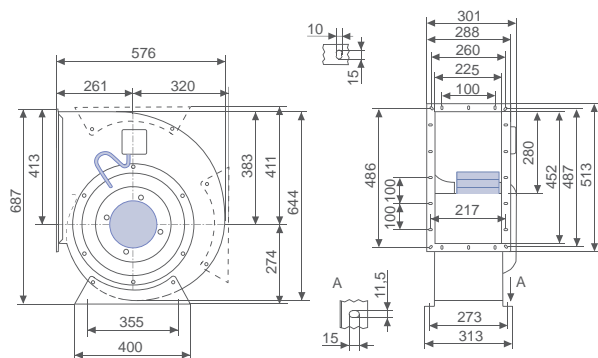
1360-106XA

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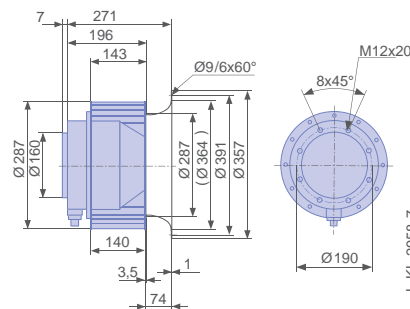
Dimensions [mm]

Fan with housing, single inlet



L-KL-2967-1

Motorised impeller



L-KL-2958-7

Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG35P-4DK.7M.1R | I | 400 | ① | 2.40 | 770 | 1480 | |
| | | 400 | ② | 3.70 | 1850 | 1430 | 88 |
| | | 400* | ③ | 6.00* | 3700* | 1320* | 94 |
| | II | 230 | ④ | 1.95 | 620 | 1440 | |
| | | 230 | ⑤ | 4.10 | 1400 | 1290 | 85 |
| | | 230 | ⑥ | 6.00 | 2300 | 1110 | 87 |
| | III | 180 | ⑦ | 2.20 | 580 | 1390 | |
| | | 180 | ⑧ | 4.10 | 1150 | 1210 | 84 |
| | | 180 | ⑨ | 6.00 | 1750 | 900 | 83 |
| | IV | 140 | ⑩ | 2.50 | 540 | 1300 | |
| | | 140 | ⑪ | 4.10 | 830 | 1090 | 82 |
| | | 140 | ⑫ | 6.00 | 1200 | 580 | 77 |
| | V | 90 | ⑬ | 3.70 | 470 | 780 | |

*rated data

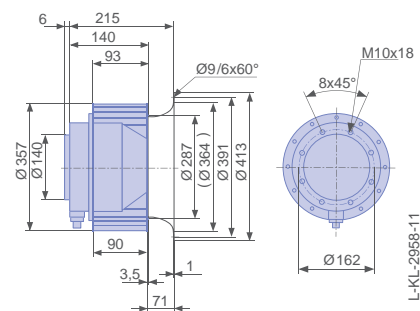
Fan ordering information

| | | | |
|-----------------------|--|---|-------|
| Design | RG | RE | |
| Installation position | H | H/Vu/Vo | |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm | |
| |  |  | |
| Type | RG35P-4DK.7M.1R | RE35P-4DK.6K.2L | |
| Article no. | 210205 | 208916 | |
| Weight [kg] | 48.00 | 32.00 | 18.70 |

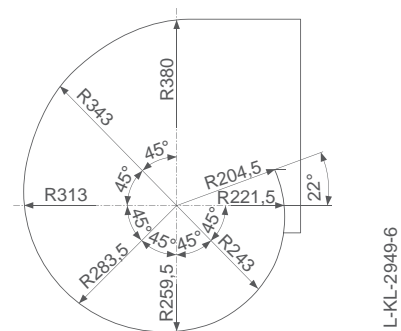
Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Motorised impeller



Used housing



P-series

for three phase alternating current, 6 pole

RG35P-6D



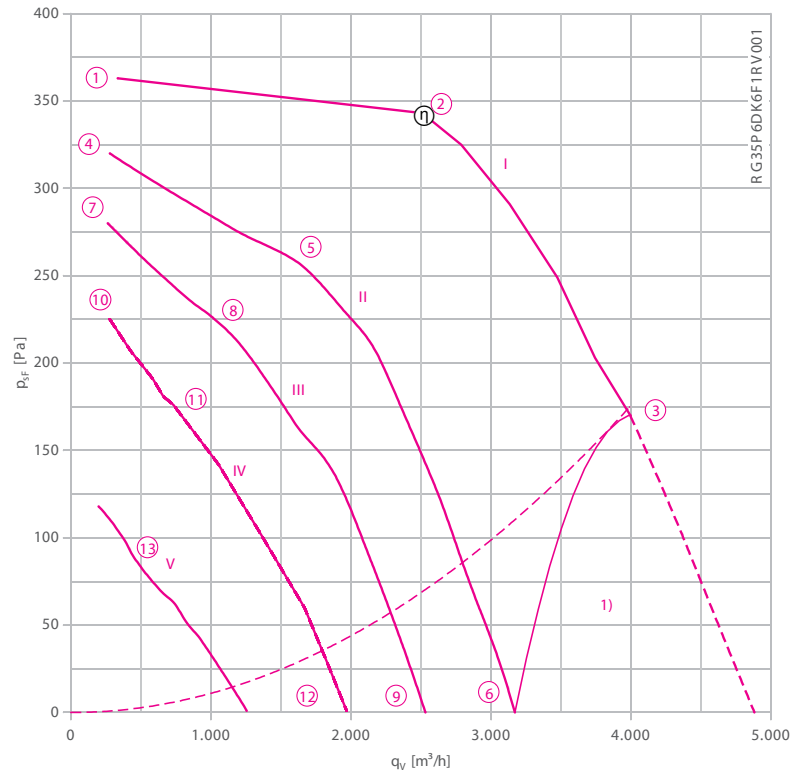
Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 1.10 kW*
 Rated current I_N : 3.50/2.00 A*
 Rated speed n_N : 790 min⁻¹*
 Starting current I_A : 8.50 A / 5.00 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 4.5 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 170 Pa
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 36.6 %
 Efficiency: $N_{actual} = 44.0 / N_{target} = 44$ **
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

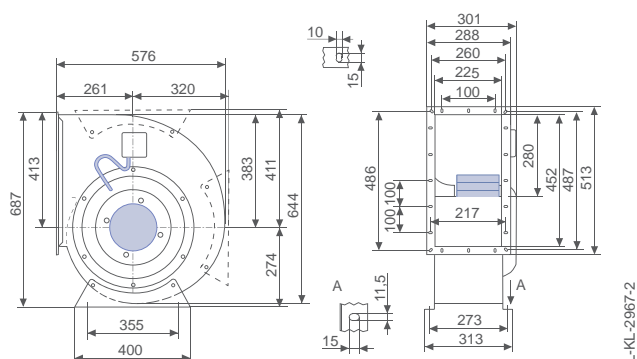
1) Do not operate in this area

- Connection diagram
- System components

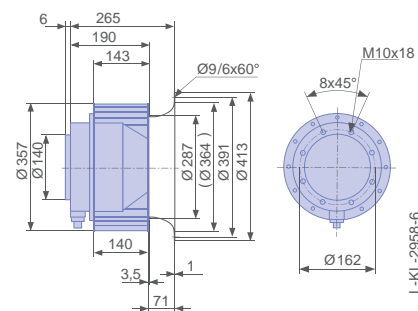
1360-106XA Page 367
 1360-106XA Page 262

Dimensions [mm]

Fan with housing, single inlet



Motorised impeller





Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG35P-6DK.6F.1R | I | 400 | ① | 1.20 | 300 | 970 | |
| | | 400 | ② | 1.60 | 960 | 890 | 74 |
| | | 400* | ③ | 2.00* | 1100* | 790* | 80 |
| | II | 230 | ④ | 0.87 | 220 | 910 | |
| | | 230 | ⑤ | 1.30 | 400 | 790 | 69 |
| | | 230 | ⑥ | 2.00 | 680 | 470 | 71 |
| | III | 180 | ⑦ | 0.85 | 195 | 850 | |
| | | 180 | ⑧ | 1.20 | 300 | 720 | 67 |
| | | 180 | ⑨ | 1.85 | 440 | 380 | 65 |
| | IV | 140 | ⑩ | 0.87 | 165 | 770 | |
| | | 140 | ⑪ | 1.15 | 220 | 590 | 62 |
| | | 140 | ⑫ | 1.50 | 270 | 300 | 61 |
| | V | 90 | ⑬ | 0.92 | 110 | 380 | |

*rated data

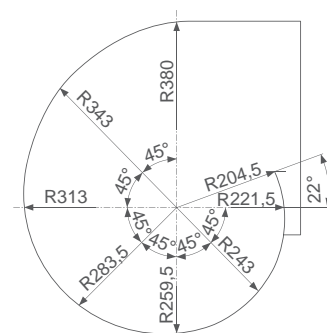
Fan ordering information

| | | |
|-----------------------|--|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm |
| |  |  |
| Type | RG35P-6DK.6F.1R | RE35P-6DK.6F.1R |
| Article no. | 209532 | 209529 |
| Weight [kg] | 31.60 | 15.40 |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-6

P-series

for three phase alternating current, 4 pole

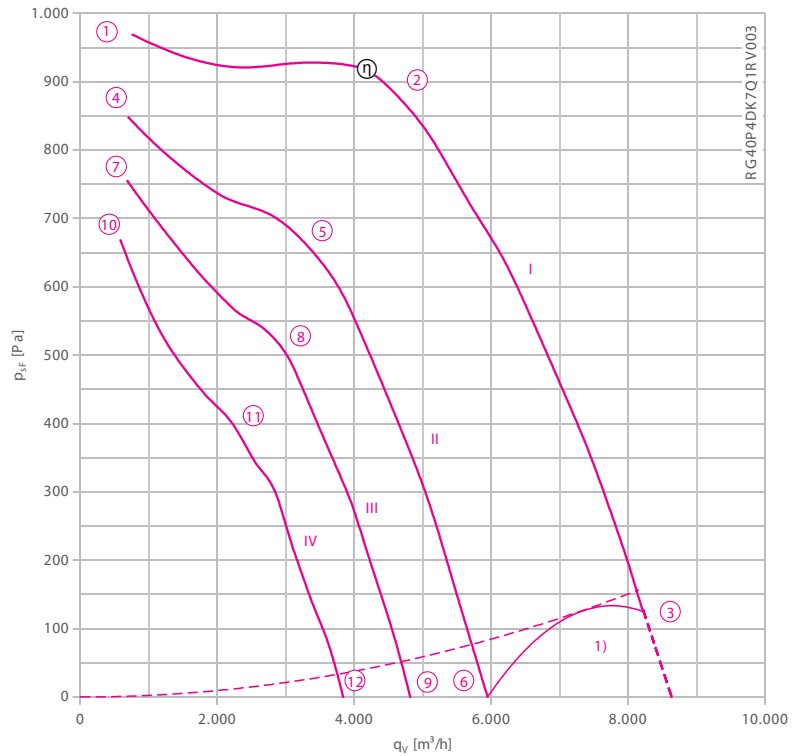
RG40P-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 5.50 kW*
 Rated current I_N : 15.50/8.90 A*
 Rated speed n_N : 1130 min⁻¹*
 Starting current I_s : 46.00 A / 26.00 A
 Current increase ΔI : 0 %
 Dynamic pressure: $p_{d2} = 2.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 125 Pa
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 Housing: Housing unpainted
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 42.8 %
 Efficiency: $N_{actual} = 46.7 / N_{target} = 44$ **
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

- Connection diagram
- System components

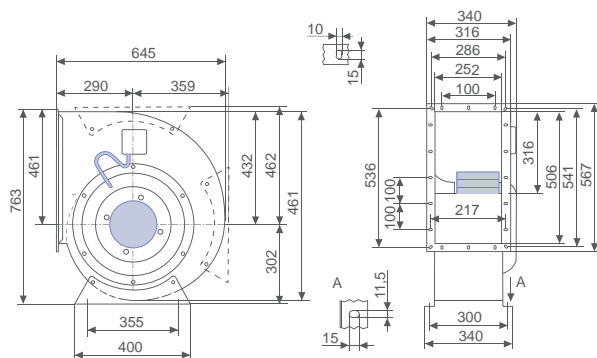
1360-106XA

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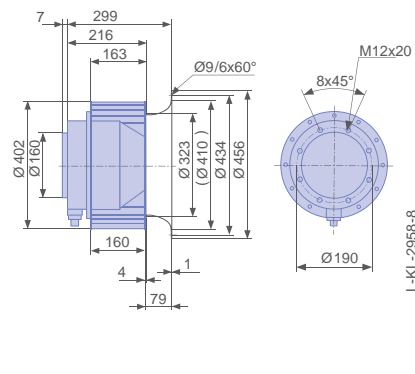
Page 262

Dimensions [mm]

Fan with housing, single inlet



Motorised impeller





Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{wAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RG40P-4DK.7Q.1R | I | 400 | ① | 2.70 | 1050 | 1450 | |
| | | 400 | ② | 4.90 | 2700 | 1330 | 90 |
| | | 400* | ③ | 8.90* | 5500* | 1130* | 95 |
| | II | 230 | ④ | 2.50 | 850 | 1350 | |
| | | 230 | ⑤ | 5.00 | 1800 | 1140 | 85 |
| | | 230 | ⑥ | 8.80 | 3200 | 760 | 87 |
| | III | 180 | ⑦ | 2.70 | 750 | 1280 | |
| | | 180 | ⑧ | 4.80 | 1350 | 1040 | 82 |
| | | 180 | ⑨ | 7.80 | 2100 | 620 | 82 |
| | IV | 140 | ⑩ | 2.90 | 650 | 1200 | |
| | | 140 | ⑪ | 4.60 | 1000 | 910 | 78 |
| | | 140 | ⑫ | 6.70 | 1400 | 490 | 77 |

*rated data

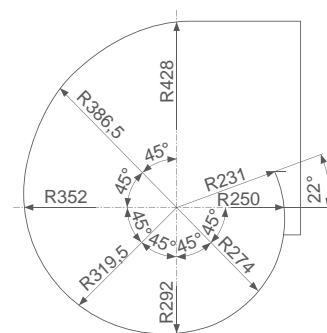
Fan ordering information

| | | |
|-----------------------|---|---|
| Design | RG | RE |
| Installation position | H | H/Vu/Vo |
| Electrical connection | Terminal box fixed on housing. | Supply cable lateral 105cm |
| |  |  |
| Type | RG40P-4DK.7Q.1R | RE40P-4DK.7Q.1R |
| Article no. | 133083 | 131584 |
| Weight [kg] | 57.00 | 37.60 |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-7

P-series

for single phase alternating current, 4 pole

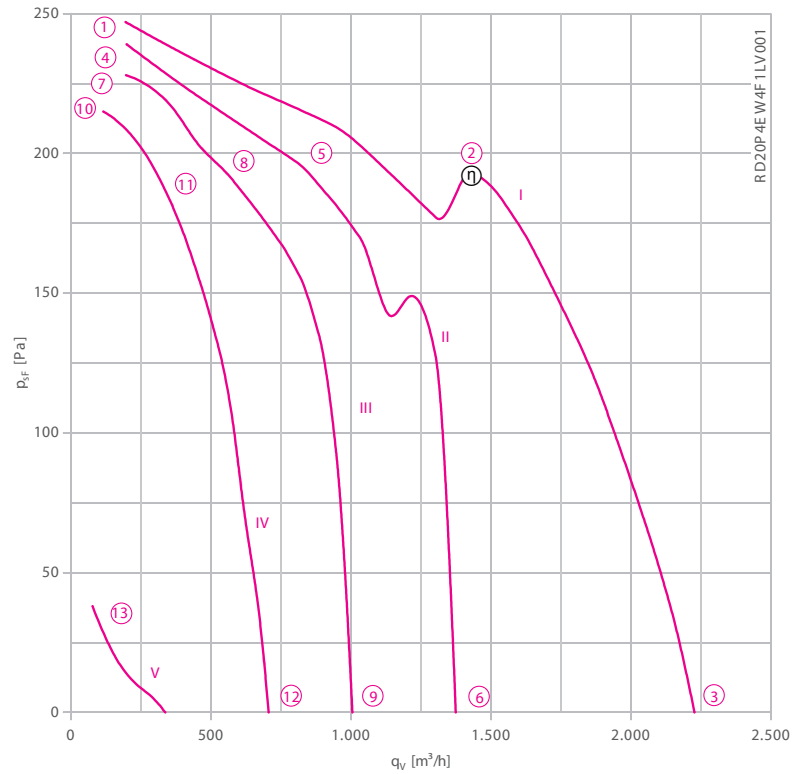
RD20P-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.55 kW*
 Rated current I_N : 2.60 A*
 Rated speed n_N : 1190 min⁻¹*
 Service capacitor C_{400V} : 8.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 50 °C
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

- Connection diagram
- System components

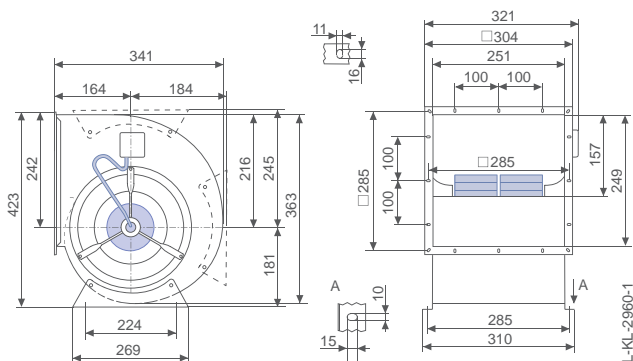
1360-104XB

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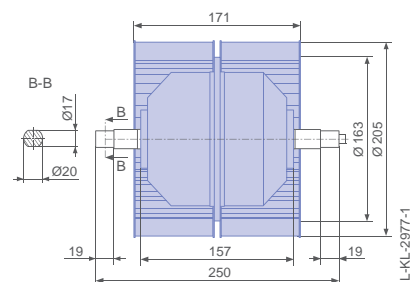
Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


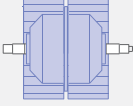


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|--------------------|------------------------|--------------------------------|
| | | U [V] | | I [A] | P ₁ [W] | n [min ⁻¹] | L _{WA5} [dB] |
| RD20P-4EW.4F.1L | I | 230 | ① | 0.97 | 180 | 1460 | |
| | | 230 | ② | 1.45 | 320 | 1390 | 76 |
| | | 230* | ③ | 2.60* | 550* | 1190* | 82 |
| | II | 160 | ④ | 0.74 | 115 | 1440 | |
| | | 160 | ⑤ | 1.20 | 190 | 1350 | 75 |
| | | 160 | ⑥ | 2.50 | 350 | 760 | 71 |
| | III | 130 | ⑦ | 0.75 | 96 | 1400 | |
| | | 130 | ⑧ | 1.10 | 140 | 1320 | 74 |
| | | 130 | ⑨ | 2.20 | 250 | 550 | 64 |
| | IV | 105 | ⑩ | 0.76 | 78 | 1360 | |
| | | 105 | ⑪ | 1.00 | 100 | 1270 | 73 |
| | | 105 | ⑫ | 1.65 | 145 | 470 | 56 |
| | V | 60 | ⑬ | 0.93 | 46 | 590 | |

*rated data

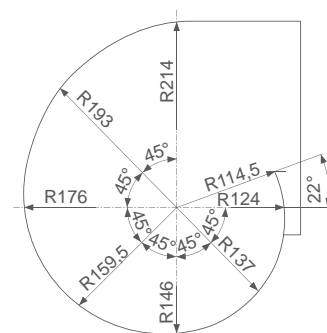
Fan ordering information

| | | |
|---------------------------|--|--|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 110 cm from axle end |
| |  |  |
| Type | RD20P-4EW.4F.1L | RZ20P-4EW.4F.1L |
| Article no. | 209645A | 209644A |
| Weight [kg] | 15.50 | 8.40 |
| * Inlet ring not included | | |

Control technology

| | | | |
|---|--|---|---|
| Frequency inverter Fcontrol 1~  Page 296 | Motor protection units 1~  Page 344 | Transformer-based controllers 1~  Page 334 | Electronic voltage controllers 1~  Page 310 |
|---|--|---|---|

Used housing



L-KL-2949-9

P-series

for single phase alternating current, 4 pole

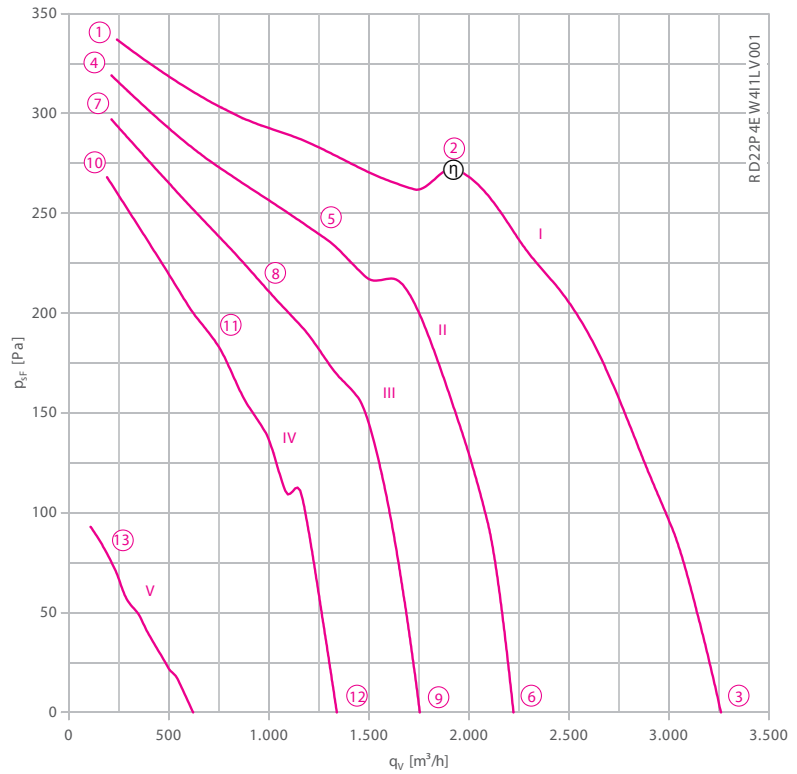
RD22P-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.92 kW*
 Rated current I_N : 4.10 A*
 Rated speed n_N : 1100 min⁻¹*
 Starting current I_s : 6.50 A
 Service capacitor C_{400V} : 14.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-data
 Efficiency η_{statA} : 29.0 %
 Efficiency: $N_{actual} = 37.2 / N_{target} = 37$ **
 * Rated data
 **ErP 2013

Characteristic curve

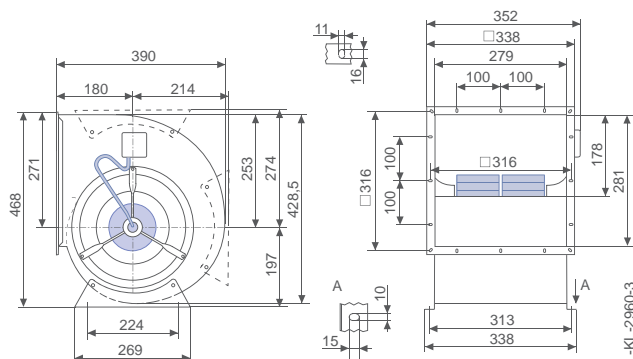


Measured in housing from ZIEHL-ABEGG.

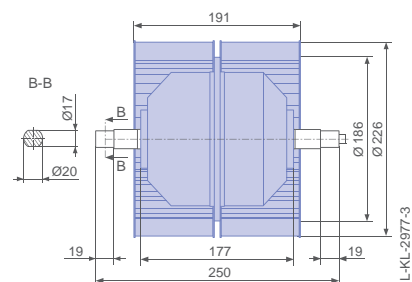
- Connection diagram 1360-104XB Page 367
- System components Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


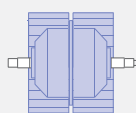


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|--------------------|------------------------|--------------------------------|
| | | U [V] | | I [A] | P ₁ [W] | n [min ⁻¹] | L _{WA5} [dB] |
| RD22P-4EW.4I.1L | I | 230 | ① | 1.55 | 320 | 1440 | |
| | | 230 | ② | 2.30 | 520 | 1350 | 76 |
| | | 230* | ③ | 4.10* | 920* | 1100* | 82 |
| | II | 160 | ④ | 1.30 | 210 | 1390 | |
| | | 160 | ⑤ | 2.40 | 380 | 1200 | 73 |
| | | 160 | ⑥ | 3.60 | 560 | 780 | 73 |
| | III | 130 | ⑦ | 1.30 | 170 | 1350 | |
| | | 130 | ⑧ | 2.10 | 270 | 1160 | 72 |
| | | 130 | ⑨ | 3.20 | 400 | 620 | 68 |
| | IV | 105 | ⑩ | 1.35 | 145 | 1270 | |
| | | 105 | ⑪ | 1.85 | 190 | 1120 | 71 |
| | | 105 | ⑫ | 2.70 | 270 | 500 | 61 |
| | V | 60 | ⑬ | 1.45 | 84 | 720 | |

*rated data

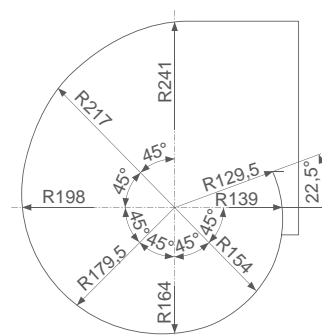
Fan ordering information

| | | |
|---------------------------|---|---|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 105 cm from axle end |
| |  |  |
| Type | RD22P-4EW.4I.1L | RZ22P-4EW.4I.1L |
| Article no. | 209648A | 209647A |
| Weight [kg] | 18.60 | 18.50 |
| * Inlet ring not included | | |

Control technology

| | | | |
|---|--|---|---|
| <p>Frequency inverter Fcontrol 1~</p>  <p>➤ Page 296</p> | <p>Motor protection units 1~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 1~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 1~</p>  <p>➤ Page 310</p> |
|---|--|---|---|

Used housing



L-KL-2949-10

P-series

for three phase alternating current, 4 pole

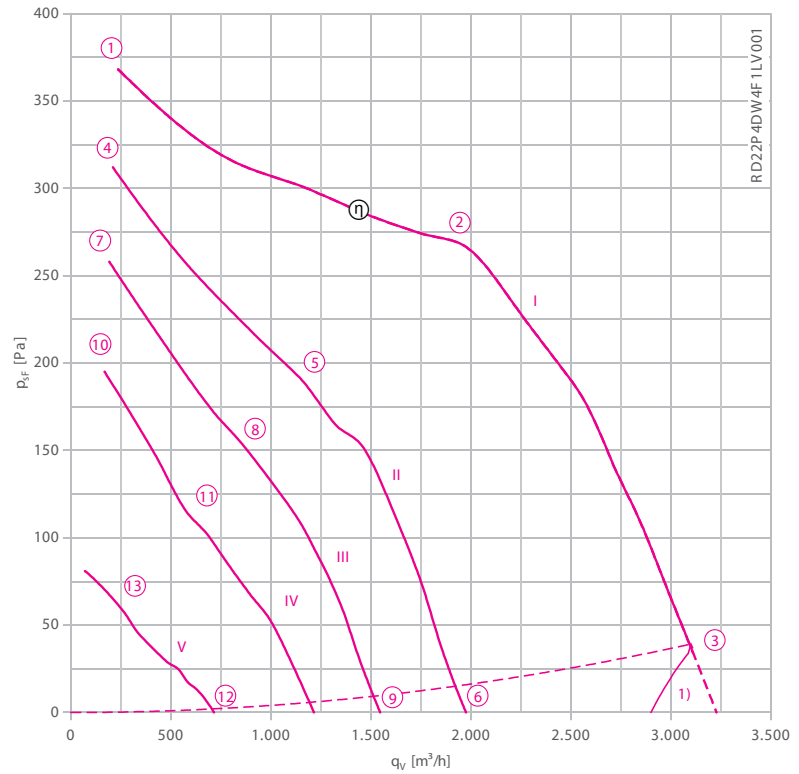
RD22P-4D



Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 0.80 kW*
 Rated current I_N : 2.50/1.45 A*
 Rated speed n_N : 1090 min⁻¹*
 Starting current I_s : 5.50 A / 3.20 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 40 Pa
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA} : 33.4 %
 Efficiency: $N_{actual} = 44.5 / N_{target} = 44$ **
 Frequency inverter required
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

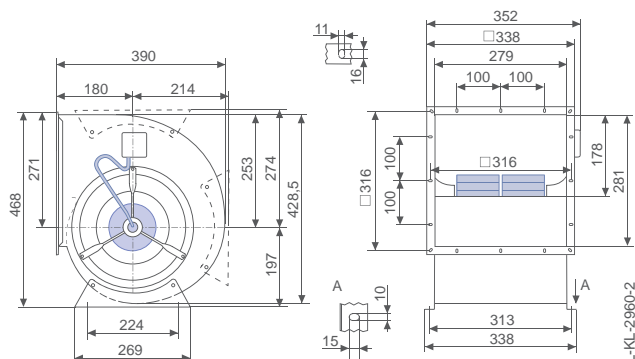
1) Do not operate in this area

- Connection diagram
- System components

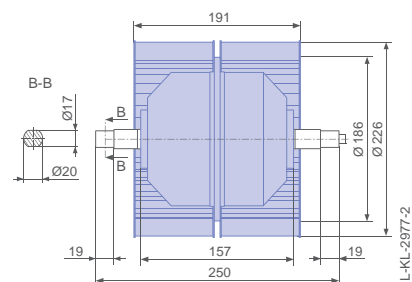
1360-106XB Page 367
 Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


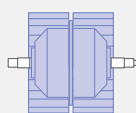


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RD22P-4DW.4F.1L | I | 400 | ① | 0.65 | 190 | 1440 | |
| | | 400 | ② | 0.92 | 460 | 1310 | 75 |
| | | 400* | ③ | 1.45* | 800* | 1090* | 80 |
| | II | 230 | ④ | 0.50 | 150 | 1320 | |
| | | 230 | ⑤ | 0.78 | 250 | 1110 | 71 |
| | | 230 | ⑥ | 1.20 | 360 | 660 | 68 |
| | III | 180 | ⑦ | 0.52 | 125 | 1210 | |
| | | 180 | ⑧ | 0.72 | 180 | 990 | 68 |
| | | 180 | ⑨ | 0.98 | 230 | 530 | 62 |
| | IV | 140 | ⑩ | 0.52 | 100 | 1050 | |
| | | 140 | ⑪ | 0.62 | 120 | 880 | 64 |
| | | 140 | ⑫ | 0.80 | 145 | 430 | 57 |
| | V | 90 | ⑬ | 0.47 | 56 | 640 | |

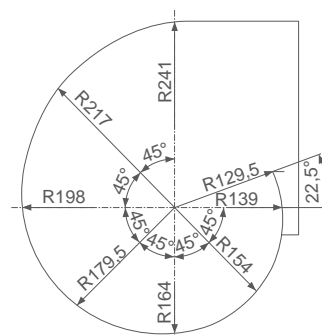
*rated data

Fan ordering information

| | | |
|---------------------------|---|---|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 110 cm from axle end |
| |  |  |
| Type | RD22P-4DW.4F.1L | RZ22P-4DW.4F.1L |
| Article no. | 209654A | 209653A |
| Weight [kg] | 17.00 | 8.80 |
| * Inlet ring not included | | |

Control technology

Used housing



L-KL-2949-10

P-series

for single phase alternating current, 4 pole

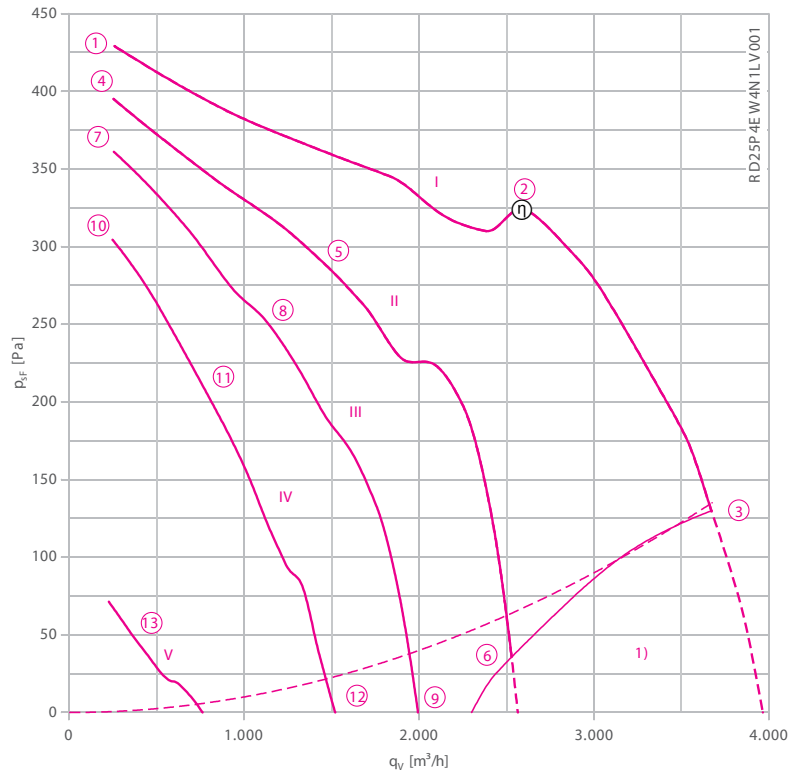
RD25P-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 1.20 kW*
 Rated current I_N : 5.30 A*
 Rated speed n_N : 1090 min⁻¹*
 Starting current I_A : 8.50 A
 Service capacitor C_{400V} : 16.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 130 Pa
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-data
 Efficiency η_{statA} : 29.2 %
 Efficiency: $N_{actual} = 37.4 / N_{target} = 37$ **
 Frequency inverter required
 * Rated data
 **ErP 2013

Characteristic curve



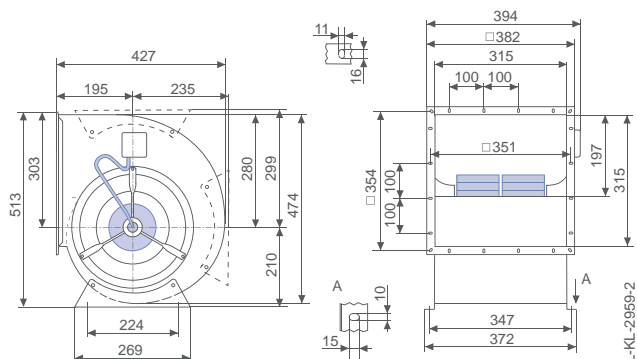
Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

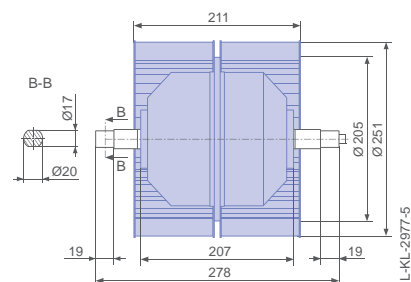
- Connection diagram 1360-104XB Page 367
- System components Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


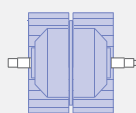


Performance data





| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|-------------------|-------|--------------------------------|
| | | U [V] | | | | | |
| RD25P-4EW.4N.1L | I | 230 | ① | 1.95 | 450 | 1420 | |
| | | 230 | ② | 3.60 | 820 | 1290 | 76 |
| | | 230* | ③ | 5.30* | 1200* | 1090* | 81 |
| | II | 160 | ④ | 1.90 | 310 | 1370 | |
| | | 160 | ⑤ | 2.90 | 460 | 1250 | 74 |
| | | 160 | ⑥ | 5.10 | 780 | 680 | 71 |
| | III | 130 | ⑦ | 1.95 | 250 | 1310 | |
| | | 130 | ⑧ | 2.80 | 360 | 1160 | 73 |
| | | 130 | ⑨ | 4.60 | 570 | 460 | 64 |
| | IV | 105 | ⑩ | 2.10 | 210 | 1220 | |
| | | 105 | ⑪ | 2.60 | 270 | 1070 | 71 |
| | | 105 | ⑫ | 3.90 | 380 | 380 | 58 |
| | V | 60 | ⑬ | 2.10 | 120 | 530 | |

*rated data

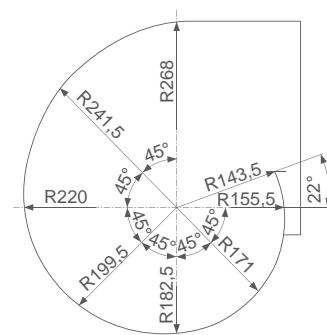
Fan ordering information

| | | |
|---------------------------|--|---|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 110 cm from axle end |
| |  |  |
| Type | RD25P-4EW.4N.1L | RZ25P-4EW.4N.1L |
| Article no. | 209634A | 209633A |
| Weight [kg] | 23.70 | 14.10 |
| * Inlet ring not included | | |

Control technology

| | | | |
|---|--|---|---|
| Frequency inverter Fcontrol 1~  Page 296 | Motor protection units 1~  Page 344 | Transformer-based controllers 1~  Page 334 | Electronic voltage controllers 1~  Page 310 |
|---|--|---|---|

Used housing



L-KL-2949-11

P-series

for three phase alternating current, 4 pole

RD25P-4D

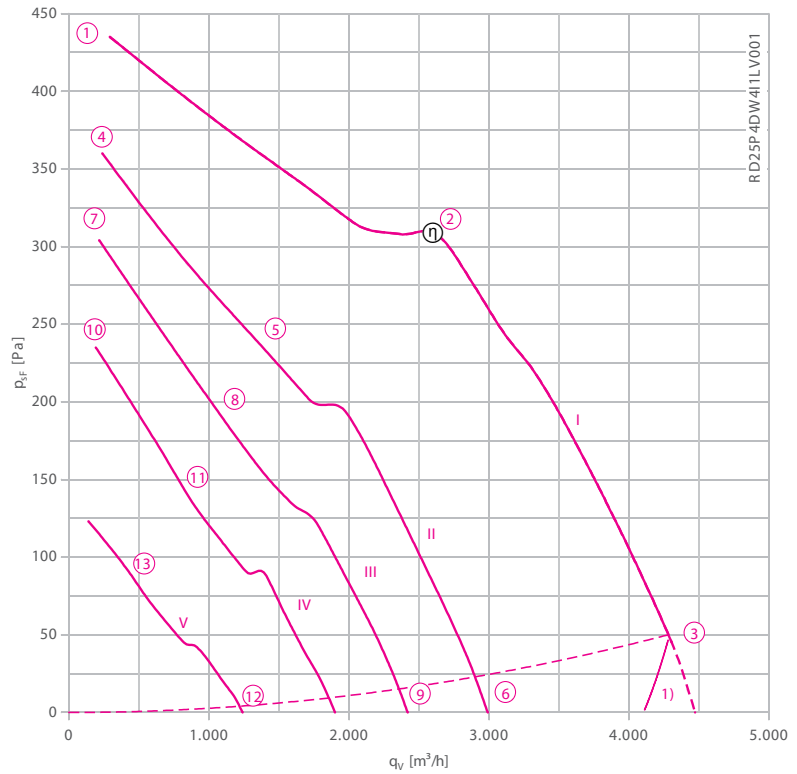


Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 1.25 kW*
 Rated current I_N : 3.60/2.10 A*
 Rated speed n_N : 1030 min⁻¹*
 Starting current I_s : 6.50 A / 3.80 A
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 50 Pa
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE

ErP-data
 Efficiency η_{statA} : 32.5 %
 Efficiency: $N_{actual} = 40.7 / N_{target} = 37$ **
 * Rated data
 **ErP 2013

Characteristic curve

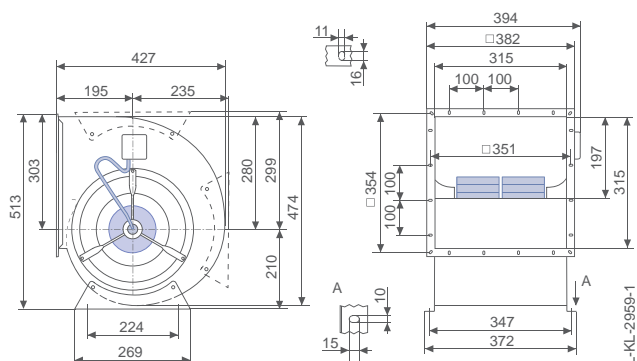


Measured in housing from ZIEHL-ABEGG.
 1) Do not operate in this area

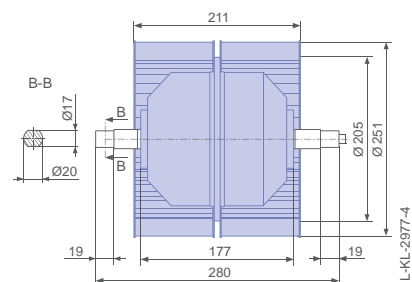
- Connection diagram 1360-106XB Page 367
- System components Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


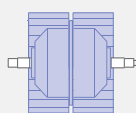


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RD25P-4DW.4I.1L | I | 400 | ① | 1.05 | 310 | 1410 | |
| | | 400 | ② | 1.40 | 710 | 1260 | 75 |
| | | 400* | ③ | 2.10* | 1250* | 1030* | 82 |
| | II | 230 | ④ | 0.74 | 220 | 1290 | |
| | | 230 | ⑤ | 1.05 | 350 | 1120 | 72 |
| | | 230 | ⑥ | 1.75 | 610 | 680 | 73 |
| | III | 180 | ⑦ | 0.73 | 185 | 1190 | |
| | | 180 | ⑧ | 0.99 | 260 | 1000 | 69 |
| | | 180 | ⑨ | 1.50 | 410 | 560 | 67 |
| | IV | 140 | ⑩ | 0.72 | 150 | 1050 | |
| | | 140 | ⑪ | 0.91 | 190 | 850 | 65 |
| | | 140 | ⑫ | 1.25 | 270 | 450 | 61 |
| | V | 90 | ⑬ | 0.73 | 100 | 630 | |

*rated data

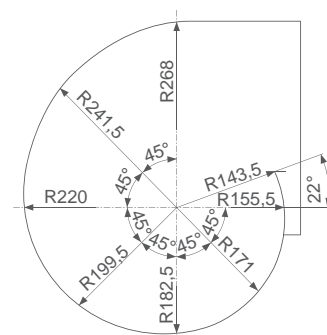
Fan ordering information

| | | |
|---------------------------|--|---|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 110 cm from axle end |
| |  |  |
| Type | RD25P-4DW.4I.1L | RZ25P-4DW.4I.1L |
| Article no. | 209639A | 209638A |
| Weight [kg] | 20.70 | 11.10 |
| * Inlet ring not included | | |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-11

P-series

for single phase alternating current, 4 pole

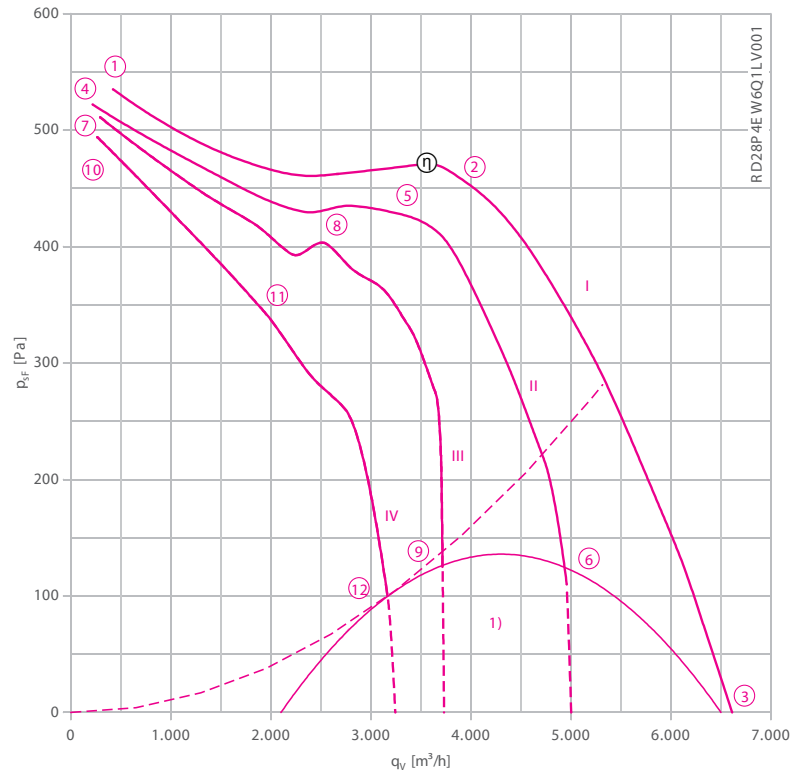
RD28P-4E



Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V \pm 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 2.90 kW*
 Rated current I_N : 13.00 A*
 Rated speed n_N : 1290 min⁻¹*
 Starting current I_A : 28.00 A
 Service capacitor C_{400V} : 35.0 μ F
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 0 Pa
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE
ErP-data
 Efficiency η_{statA} : 34.7 %
 Efficiency: $N_{actual} = 40.2 / N_{target} = 37$ **
 * Rated data
 **ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

- Connection diagram
- System components

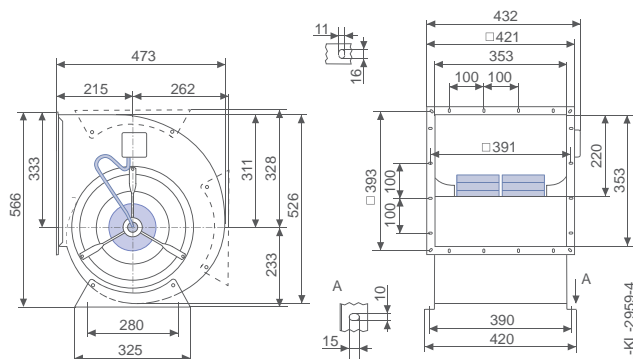
1360-104XB

Page 367

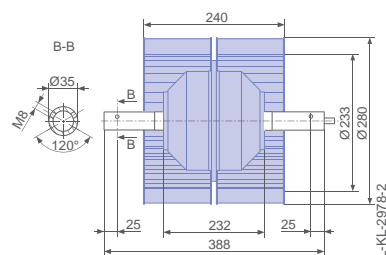
Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


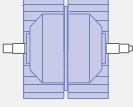


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|--------------------|------------------------|--------------------------------|
| | | U [V] | | I [A] | P ₁ [W] | n [min ⁻¹] | L _{WAS} [dB] |
| RD28P-4EW.6Q.1L | I | 230 | ① | 3.20 | 710 | 1480 | |
| | | 230 | ② | 6.70 | 1500 | 1430 | 87 |
| | | 230* | ③ | 13.00* | 2900* | 1290* | 94 |
| | II | 160 | ④ | 3.10 | 480 | 1460 | |
| | | 160 | ⑤ | 7.10 | 1150 | 1370 | 84 |
| | | 160 | ⑥ | 14.00 | 2100 | 930 | 83 |
| | III | 130 | ⑦ | 3.20 | 410 | 1450 | |
| | | 130 | ⑧ | 6.70 | 880 | 1350 | 82 |
| | | 130 | ⑨ | 14.00 | 1650 | 830 | 76 |
| | IV | 105 | ⑩ | 3.40 | 360 | 1420 | |
| | | 105 | ⑪ | 5.20 | 550 | 1360 | 81 |
| | | 105 | ⑫ | 14.00 | 1400 | 680 | 67 |

*rated data

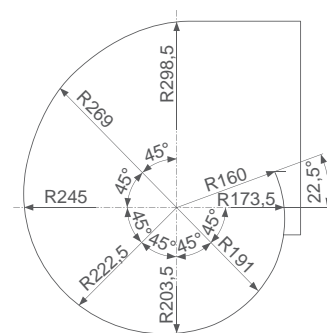
Fan ordering information

| | | |
|---------------------------|---|---|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 115 cm from axle end |
| |  |  |
| Type | RD28P-4EW.6Q.1L | RZ28P-4EW.6Q.1L |
| Article no. | 210409 | 210408 |
| Weight [kg] | 40.80 | 28.40 |
| * Inlet ring not included | | |

Control technology

| | | | |
|--|---|--|--|
| Frequency inverter Fcontrol 1~  ➤ Page 296 | Motor protection units 1~  ➤ Page 344 | Transformer-based controllers 1~  ➤ Page 334 | Electronic voltage controllers 1~  ➤ Page 310 |
|--|---|--|--|

Used housing



L-KL-2949-12

P-series

for three phase alternating current, 4 pole

RD28P-4D



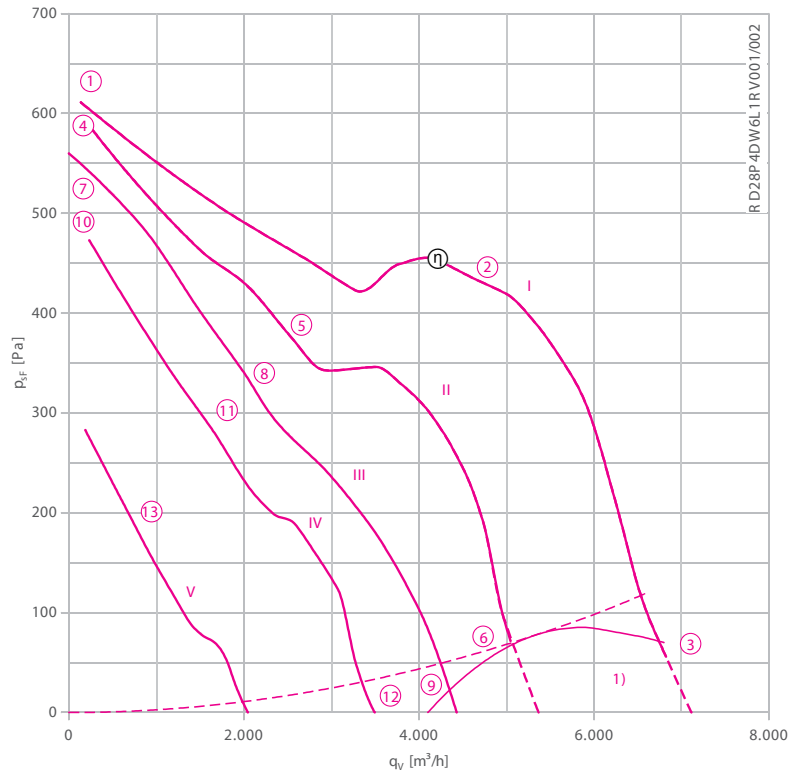
Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 2.80 kW*
 Rated current I_N : 7.90/4.60 A*
 Rated speed n_N : 1260 min⁻¹*
 Starting current I_s : 28.00 A / 16.00 A
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 70 Pa
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 42.1 %
 Efficiency: $N_{actual} = 48.1 / N_{target} = 44^{**}$
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

- Connection diagram
- System components

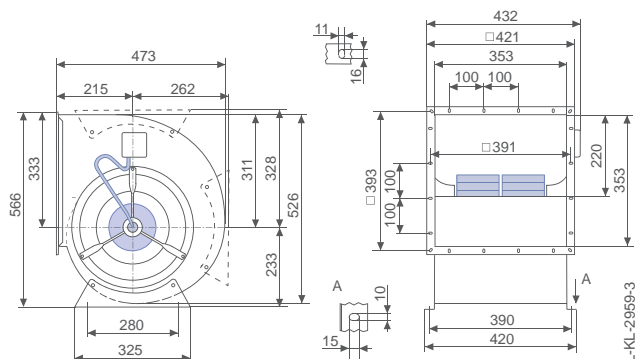
1360-106XB

Page 367

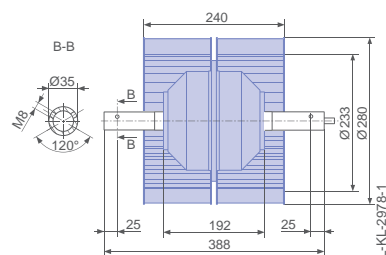
Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


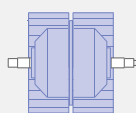


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RD28P-4DW.6L.1L | I | 400 | ① | 2.10 | 530 | 1480 | |
| | | 400 | ② | 3.20 | 1600 | 1390 | 86 |
| | | 400* | ③ | 4.60* | 2800* | 1260* | 92 |
| | II | 230 | ④ | 1.45 | 410 | 1440 | |
| | | 230 | ⑤ | 3.40 | 1200 | 1250 | 83 |
| | | 230 | ⑥ | 4.60 | 1800 | 1070 | 87 |
| | III | 180 | ⑦ | 1.55 | 370 | 1370 | |
| | | 180 | ⑧ | 3.20 | 900 | 1170 | 80 |
| | | 180 | ⑨ | 4.60 | 1350 | 870 | 83 |
| | IV | 140 | ⑩ | 1.65 | 350 | 1320 | |
| | | 140 | ⑪ | 2.80 | 620 | 1100 | 78 |
| | | 140 | ⑫ | 4.30 | 1000 | 660 | 77 |
| | V | 90 | ⑬ | 2.50 | 170 | 880 | |

*rated data

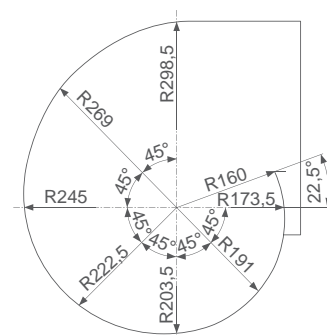
Fan ordering information

| | | |
|---------------------------|--|---|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 105 cm from axle end |
| |  |  |
| Type | RD28P-4DW.6L.1L | RZ28P-4DW.6L.1L |
| Article no. | 209669A | 209668A |
| Weight [kg] | 34.00 | 21.50 |
| * Inlet ring not included | | |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-12

P-series

for three phase alternating current, 4 pole

RD31P-4D



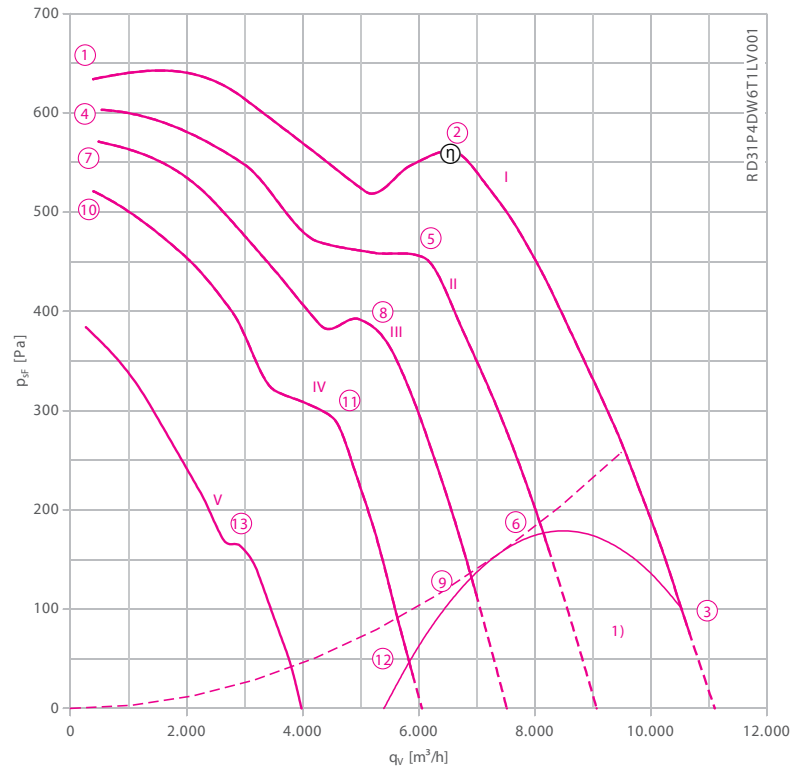
Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 5.50 kW*
 Rated current I_N : 16.00/9.20 A*
 Rated speed n_N : 1330 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 100 Pa
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2013, CE

ErP-data

Efficiency η_{statA} : 34.9 %
 Efficiency: $N_{actual} = 38.3 / N_{target} = 37$ **
 * Rated data
 **ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

- Connection diagram
- System components

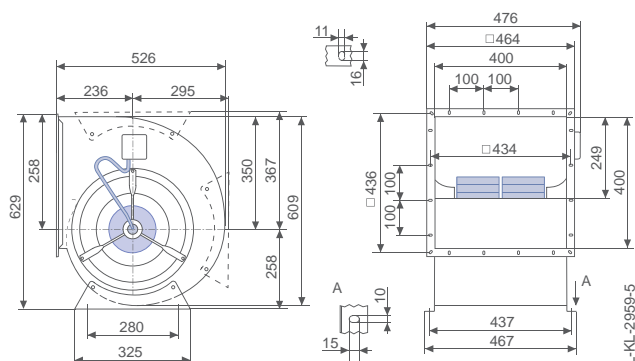
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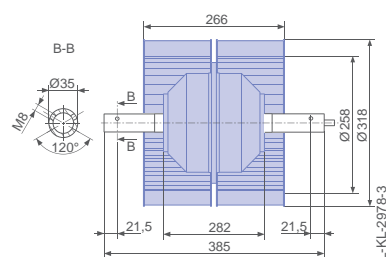
Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


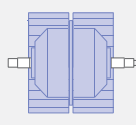


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|-------------------|-------|--------------------------------|
| | | U [V] | | | | | |
| RD31P-4DW.6T.1L | I | 400 | ① | 4.80 | 1200 | 1480 | |
| | | 400 | ② | 6.40 | 3100 | 1410 | 91 |
| | | 400* | ③ | 9.20* | 5500* | 1330* | 98 |
| | II | 230 | ④ | 3.00 | 850 | 1440 | |
| | | 230 | ⑤ | 6.80 | 2500 | 1280 | 88 |
| | | 230 | ⑥ | 9.20 | 3600 | 1150 | 92 |
| | III | 180 | ⑦ | 2.90 | 780 | 1400 | |
| | | 180 | ⑧ | 6.70 | 2000 | 1200 | 86 |
| | | 180 | ⑨ | 9.20 | 2800 | 1020 | 91 |
| | IV | 140 | ⑩ | 3.20 | 820 | 1350 | |
| | | 140 | ⑪ | 7.30 | 1700 | 1030 | 82 |
| | | 140 | ⑫ | 9.20 | 2100 | 810 | 84 |
| | V | 90 | ⑬ | 6.30 | 910 | 800 | |

*rated data

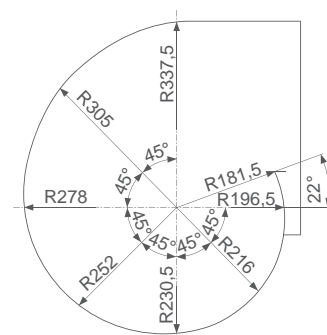
Fan ordering information

| | | |
|---------------------------|--|--|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 95 cm from axle end |
| |  |  |
| Type | RD31P-4DW.6T.1L | RZ31P-4DW.6T.1L |
| Article no. | 210419 | 210418 |
| Weight [kg] | 53.30 | 37.60 |
| * Inlet ring not included | | |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-13

P-series

for three phase alternating current, 6 pole

RD31P-6D



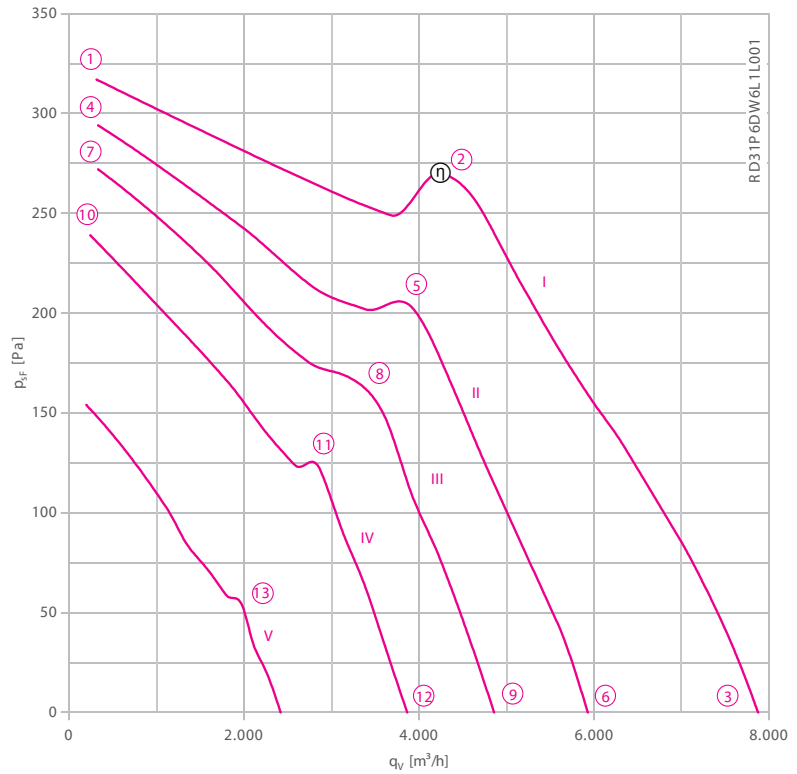
Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 2.00 kW*
 Rated current I_N : 5.90/3.40 A*
 Rated speed n_N : 820 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 36.0 %
 Efficiency: $N_{actual} = 44.2 / N_{target} = 44$ **
 Frequency inverter required
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

- Connection diagram
- System components

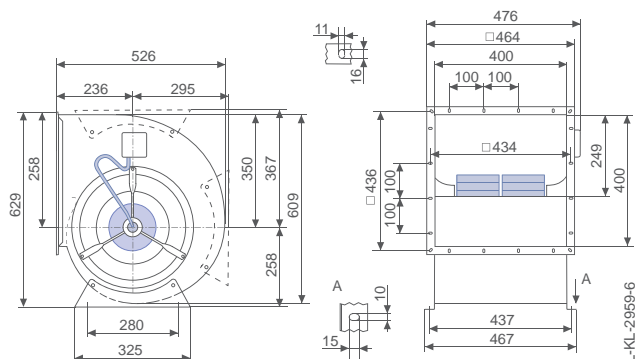
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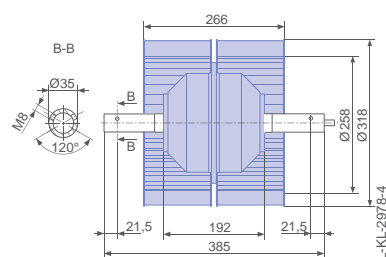
Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


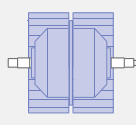


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RD31P-6DW.6L.1L | I | 400 | ① | 1.90 | 380 | 980 | |
| | | 400 | ② | 2.20 | 910 | 930 | 79 |
| | | 400* | ③ | 3.40* | 2000* | 820* | 85 |
| | II | 230 | ④ | 1.15 | 290 | 940 | |
| | | 230 | ⑤ | 2.00 | 730 | 810 | 75 |
| | | 230 | ⑥ | 3.20 | 1200 | 620 | 78 |
| | III | 180 | ⑦ | 1.10 | 260 | 910 | |
| | | 180 | ⑧ | 1.90 | 550 | 760 | 72 |
| | | 180 | ⑨ | 3.00 | 860 | 520 | 74 |
| | IV | 140 | ⑩ | 1.10 | 230 | 850 | |
| | | 140 | ⑪ | 1.90 | 440 | 640 | 69 |
| | | 140 | ⑫ | 2.60 | 570 | 420 | 69 |
| | V | 90 | ⑬ | 1.50 | 210 | 550 | |

*rated data

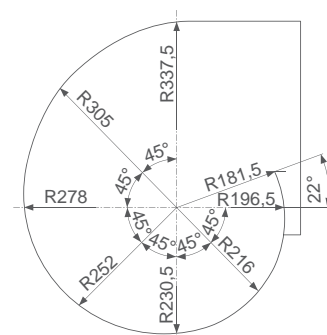
Fan ordering information

| | | |
|---------------------------|--|--|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 115 cm from axle end |
| |  |  |
| Type | RD31P-6DW.6L.1L | RZ31P-6DW.6L.1L |
| Article no. | 210258 | 210257 |
| Weight [kg] | 38.30 | 22.50 |
| * Inlet ring not included | | |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-13

P-series

for three phase alternating current, 4 pole

RD35P-4D



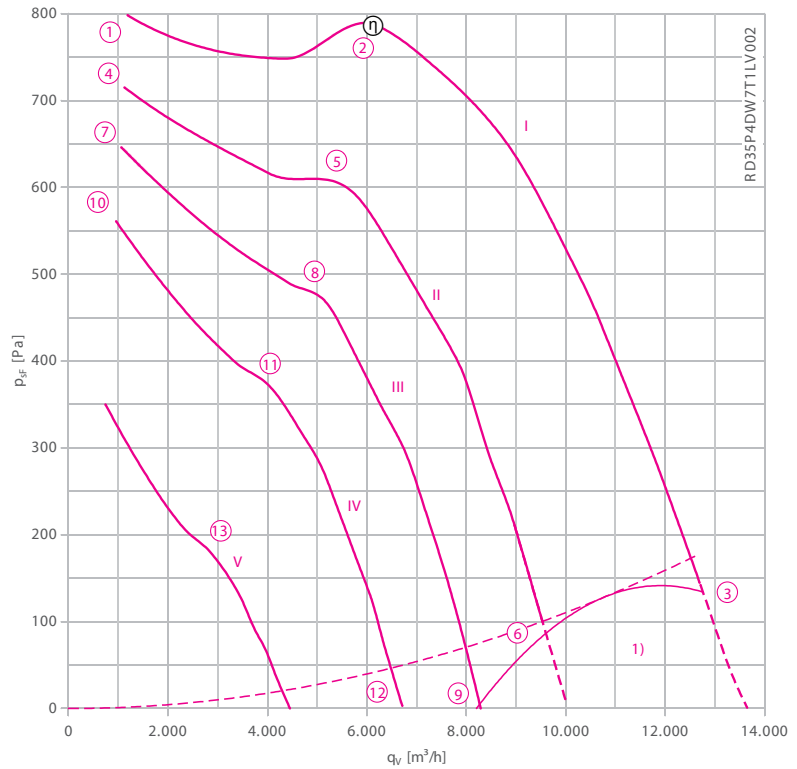
Description

Motor technology: AC
 Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 7.30 kW*
 Rated current I_N : 20.00/11.50 A*
 Rated speed n_N : 1220 min⁻¹*
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Minimum pressing $p_{SF(min)}$: 130 Pa
 Protection class: IP54
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 41.0 %
 Efficiency: $N_{actual} = 44.0 / N_{target} = 44$ **
 * Rated data
 **ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

- Connection diagram
- System components

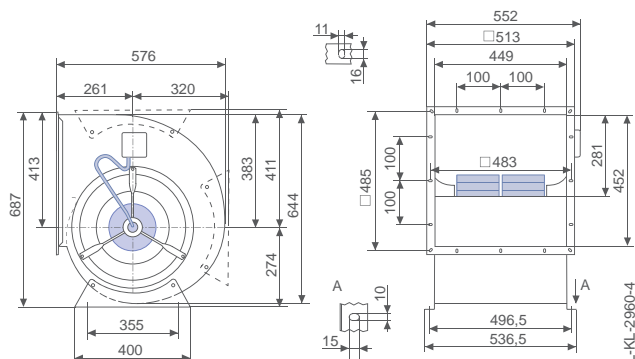
1360-106XB

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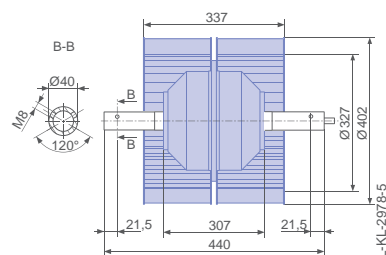
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Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


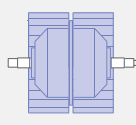


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level L_{WAS} [dB] |
|-----------------|----------------------|---------|-----------------|---------|-------------------|------------------------|--|
| | | U [V] | | I [A] | P_1 [W] | n [min ⁻¹] | |
| RD35P-4DW.7T.1L | I | 400 | ① | 4.90 | 1700 | 1460 | |
| | | 400 | ② | 6.70 | 3400 | 1390 | 88 |
| | | 400* | ③ | 11.50* | 7300* | 1220* | 97 |
| | II | 230 | ④ | 4.10 | 1300 | 1380 | |
| | | 230 | ⑤ | 7.60 | 2800 | 1220 | 86 |
| | | 230 | ⑥ | 11.50 | 4500 | 940 | 90 |
| | III | 180 | ⑦ | 4.40 | 1200 | 1320 | |
| | | 180 | ⑧ | 7.90 | 2300 | 1090 | 83 |
| | | 180 | ⑨ | 11.50 | 3500 | 730 | 86 |
| | IV | 140 | ⑩ | 4.80 | 1050 | 1220 | |
| | | 140 | ⑪ | 7.60 | 1700 | 970 | 79 |
| | | 140 | ⑫ | 11.00 | 2400 | 600 | 80 |
| | V | 90 | ⑬ | 6.70 | 940 | 690 | 72 |

*rated data

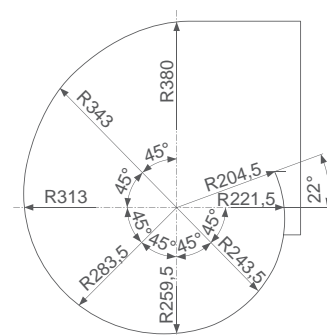
Fan ordering information

| | | |
|---------------------------|--|--|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 115 cm from axle end |
| |  |  |
| Type | RD35P-4DW.7T.1L | RZ35P-4DW.7T.1L |
| Article no. | 210156 | 210155 |
| Weight [kg] | 69.60 | 50.20 |
| * Inlet ring not included | | |

Control technology

| | | | |
|--|---|--|---|
| Frequency inverter Fcontrol 3~  Page 302 | Motor protection units 3~  Page 344 | Transformer-based controllers 3~  Page 334 | Electronic voltage controllers 3~  Page 324 |
|--|---|--|---|

Used housing



L-KL-2949-14

P-series

for three phase alternating current, 4 pole

RD40P-4D



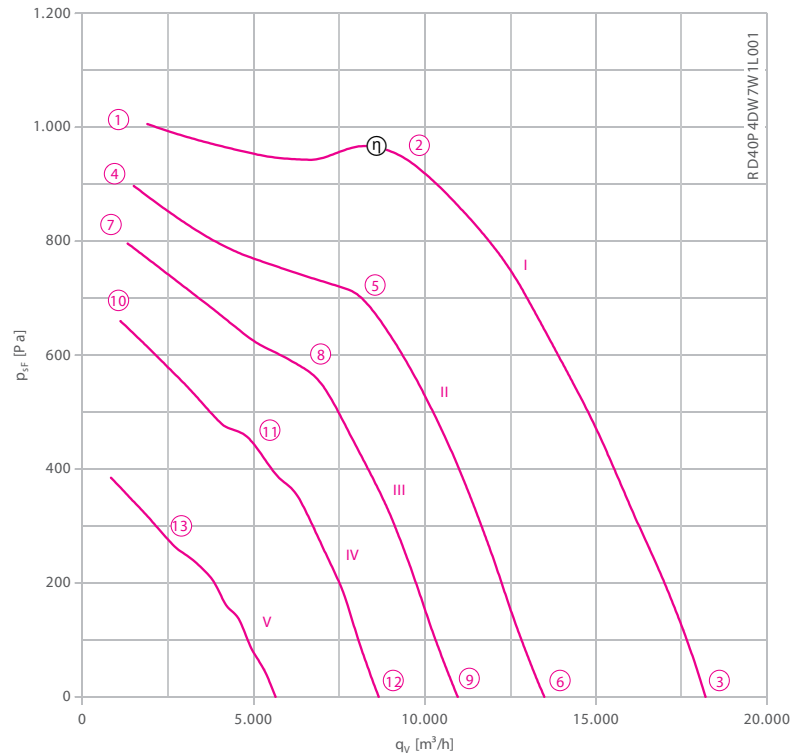
Description

Motor technology: AC
 Rated voltage U_N : 3- 400 V (Δ) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 13.00 kW*
 Rated current I_N : 20.00 A*
 Rated speed n_N : 1150 min⁻¹*
 Current increase ΔI : 0 %
 Thermal class: THCL155*
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 40 °C
 Protection class: IP10
 Motor protection: thermal contact
 Impeller : Impeller made of galvanised sheet metal,
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 42.9 %
 Efficiency: $N_{actual} = 44.7 / N_{target} = 44$ **
 * Rated data
 **ErP 2015

Characteristic curve



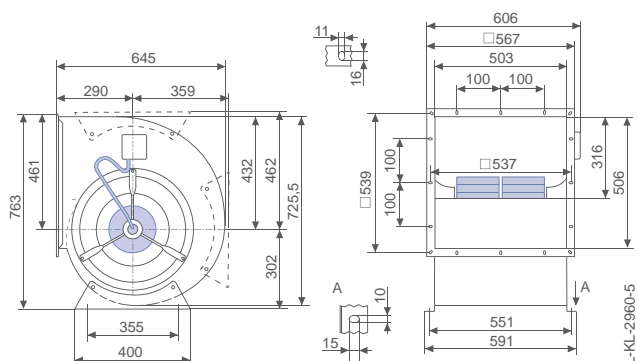
Measured in housing from ZIEHL-ABEGG.

- Connection diagram
- System components

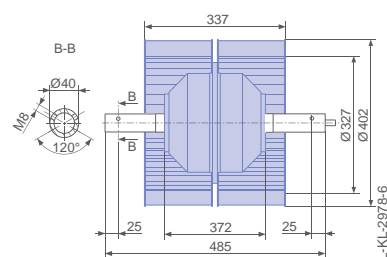
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Dimensions [mm]

Fan with housing, double inlet



Motorised impeller


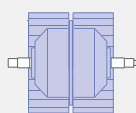


Performance data

| Type | Characteristic curve | Voltage | Operating point | Current | Motor input power | Speed | Suction side sound power level |
|-----------------|----------------------|---------|-----------------|---------|-------------------|-------|--------------------------------|
| | | U [V] | | | | | |
| RD40P-4DW.7W.1L | I | 400 | ① | 6.70 | 2600 | 1440 | |
| | | 400 | ② | 11.00 | 6100 | 1350 | 95 |
| | | 400* | ③ | 20.00* | 13000* | 1150* | 102 |
| | II | 230 | ④ | 6.20 | 2100 | 1360 | |
| | | 230 | ⑤ | 11.50 | 4300 | 1190 | 93 |
| | | 230 | ⑥ | 20.00 | 7700 | 850 | 96 |
| | III | 180 | ⑦ | 6.70 | 1900 | 1290 | |
| | | 180 | ⑧ | 11.00 | 3200 | 1100 | 91 |
| | | 180 | ⑨ | 19.00 | 5300 | 690 | 90 |
| | IV | 140 | ⑩ | 7.40 | 1650 | 1180 | |
| | | 140 | ⑪ | 10.50 | 2400 | 980 | 88 |
| | | 140 | ⑫ | 16.50 | 3500 | 540 | 83 |
| | V | 90 | ⑬ | 9.70 | 1350 | 710 | |

*rated data

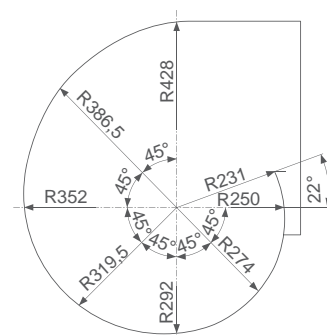
Fan ordering information

| | | |
|---------------------------|--|---|
| Design | RD | RZ |
| Installation position | H | H |
| Electrical connection | Terminal box fixed on housing | Connecting cable axial 115 cm from axle end |
| |  |  |
| Type | RD40P-4DW.7W.1L | RZ40P-4DW.7W.1L |
| Article no. | 210143 | 210142 |
| Weight [kg] | 90.50 | 67.30 |
| * Inlet ring not included | | |

Control technology

| | | | |
|---|--|---|--|
| <p>Frequency inverter Fcontrol 3~</p>  <p>➤ Page 302</p> | <p>Motor protection units 3~</p>  <p>➤ Page 344</p> | <p>Transformer-based controllers 3~</p>  <p>➤ Page 334</p> | <p>Electronic voltage controllers 3~</p>  <p>➤ Page 324</p> |
|---|--|---|--|

Used housing



L-KL-2949-15