



## Technical specification

|               |                                          |                 |        |
|---------------|------------------------------------------|-----------------|--------|
| Customer      |                                          | Project         | 119614 |
| Reference     |                                          | Quotation/Order |        |
| Configuration | ACN 400-230 A26 WEG 0,55 kW<br>440V/60HZ | Our reference   | PAZ    |
|               |                                          | Site/System     |        |

### Fan:

#### NovAx ACN 400/230-6 A26

|                                        |              |
|----------------------------------------|--------------|
| Volume flow                            | 1.00 m³/s    |
| External total pressure                | 299 Pa       |
| External static pressure               | 261 Pa       |
| External dynamic pressure              | 38 Pa        |
| Pressure gain/loss in accessories      | 0 Pa         |
| Dynamic pressure loss in outlet        | 0 Pa         |
| Fan total pressure                     | 299 Pa       |
| Blade material                         | Aluminium    |
| Hub material                           | Aluminium    |
| Blade angle                            | 26 °         |
| Efficiency                             | 62.5 %       |
| Power                                  | 0.48 kW      |
| a-factor                               | 1.99         |
| Speed                                  | 3326 rpm     |
| Max. speed                             | 3487 rpm     |
| Altitude of installation               | 0.0 m        |
| Temperature                            | 20.0 °C      |
| Humidity                               | 50.0 %RH     |
| Inlet                                  | Duct         |
| Outlet                                 | Duct         |
| Total weight of installation           | 36 kg        |
| Maximum diameter/Width of installation | 480 mm       |
| Master product ID                      | mp-f08       |
| Flange standard                        | Eurovent 1/2 |
| Moment of inertia                      | 0.06 kgm²    |
| Startup time                           | 5.4 s        |
| Air density                            | 1.20 kg/m³   |
| Overall Static Efficiency              | 41.5 %       |
| Total efficiency (Fan, Motor)          | 47.5 %       |
| Measurement category (A-D)             | D            |
| Efficiency category                    | Total        |
| Optimum efficiency grade               | 53.0 %       |
| Target energy efficiency (2015)        | 51.0 %       |
| Specific ratio                         | 1.00         |
| Specific fan power (SFP)               | 0.628 kJ/m³  |

### Motor:

#### WEG 2P E3-22-71 0.55kW B14 440YV 60Hz

|                           |                                    |
|---------------------------|------------------------------------|
| Manufacturer              | WEG                                |
| Product code              | E3-22-71                           |
| Rated power               | 0.55 kW                            |
| Max available power       | 0.55 kW                            |
| Rated Torque              | 2 Nm                               |
| Rated speed               | 3326 rpm                           |
| Current                   | 1.0 A                              |
| Rated current             | 1.1 A                              |
| Starting Current          | 6.6 A                              |
| Supply voltage            | 3x440 V                            |
| Rated voltage             | 440Y V                             |
| Supply frequency          | 60 Hz                              |
| Actual motor frequency    | 60 Hz                              |
| Insulation class          | F                                  |
| Temperature rise          | B                                  |
| Enclosure                 | IP55                               |
| Efficiency class          | IE3                                |
| Motor efficiency          | 76.1 %                             |
| Mounting arrangement      | B14                                |
| Start-up                  | Direct starting                    |
| Windings type             | 1 speed (1 Winding)                |
| Motor Moment of Inertia   | 0.000500 kgm²                      |
| Motor weight              | 8.5 kg                             |
| Power input               | 0.627 kW                           |
| Classification            | Lloyd's<br>Register of<br>Shipping |
| EMC terminal box included |                                    |
| Motor item number         | 926551-0                           |



## Technical specification

|               |                                          |                 |        |
|---------------|------------------------------------------|-----------------|--------|
| Customer      |                                          | Project         | 119614 |
| Reference     |                                          | Quotation/Order |        |
| Configuration | ACN 400-230 A26 WEG 0,55 kW<br>440V/60HZ | Our reference   | PAZ    |
|               |                                          | Site/System     |        |

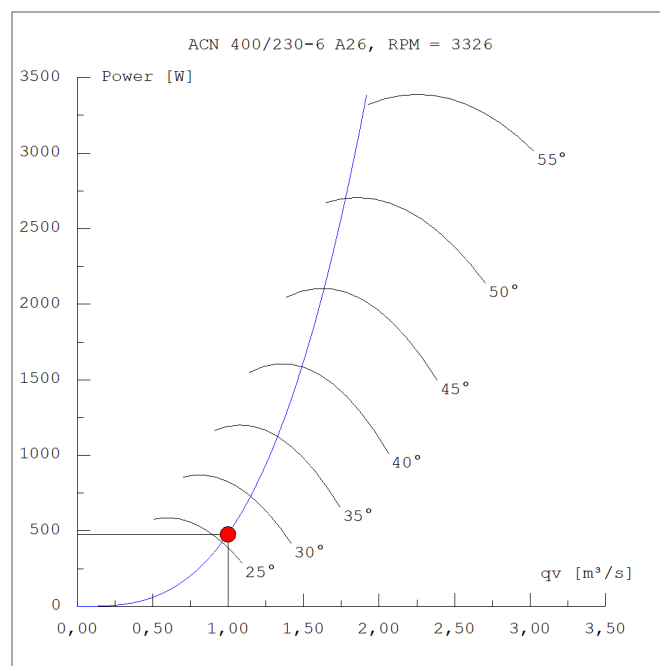
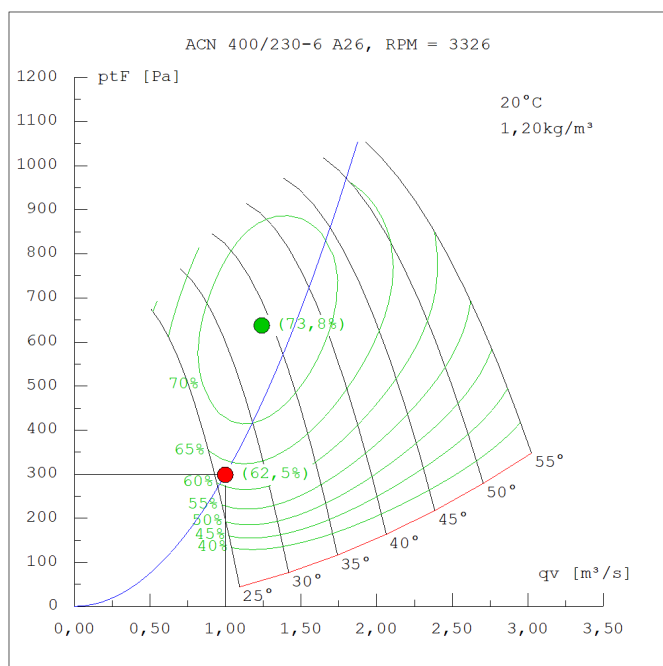
### Terminal Box:

|                                               |                                              |
|-----------------------------------------------|----------------------------------------------|
| Cable glands (power supply)                   | M20                                          |
| Wire size (Power Supply)                      | 6 x 0,2mm <sup>2</sup> - 4,0mm <sup>2</sup>  |
| Wire size (Earth)                             | 1 x 0,2mm <sup>2</sup> - 4,0mm <sup>2</sup>  |
| Wire size (Space Heater / Thermal Protection) | 4 x 0,14mm <sup>2</sup> - 1,5mm <sup>2</sup> |

### Accessories:

None selected

### Fan curves:





## Technical specification

|               |                                          |                 |        |
|---------------|------------------------------------------|-----------------|--------|
| Customer      |                                          | Project         | 119614 |
| Reference     |                                          | Quotation/Order |        |
| Configuration | ACN 400-230 A26 WEG 0,55 kW<br>440V/60HZ | Our reference   | PAZ    |
|               |                                          | Site/System     |        |

### Sound data:

|                                                           | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K | Hz | Total |          |
|-----------------------------------------------------------|----|-----|-----|-----|----|----|----|----|----|-------|----------|
| Inlet sound power level                                   | 71 | 79  | 85  | 86  | 87 | 82 | 78 | 71 | dB | 92 dB | 90 dB(A) |
| Fan sound power level                                     | 71 | 79  | 85  | 86  | 87 | 82 | 78 | 71 | dB | 92 dB | 90 dB(A) |
| Outlet sound power level                                  | 71 | 79  | 85  | 86  | 87 | 82 | 78 | 71 | dB | 92 dB | 90 dB(A) |
| Breakout sound pressure level                             | 51 | 56  | 59  | 57  | 55 | 47 | 40 | 30 | dB | 63 dB | 59 dB(A) |
| Indicative sound pressure level at 3m/45° from the inlet  |    |     |     |     |    |    |    |    |    | 74 dB | 73 dB(A) |
| Indicative sound pressure level at 3m/45° from the outlet |    |     |     |     |    |    |    |    |    | 74 dB | 73 dB(A) |

*Tolerance:  $\pm 3$  dB for total sound levels and  $\pm 4$  dB for octave bands*

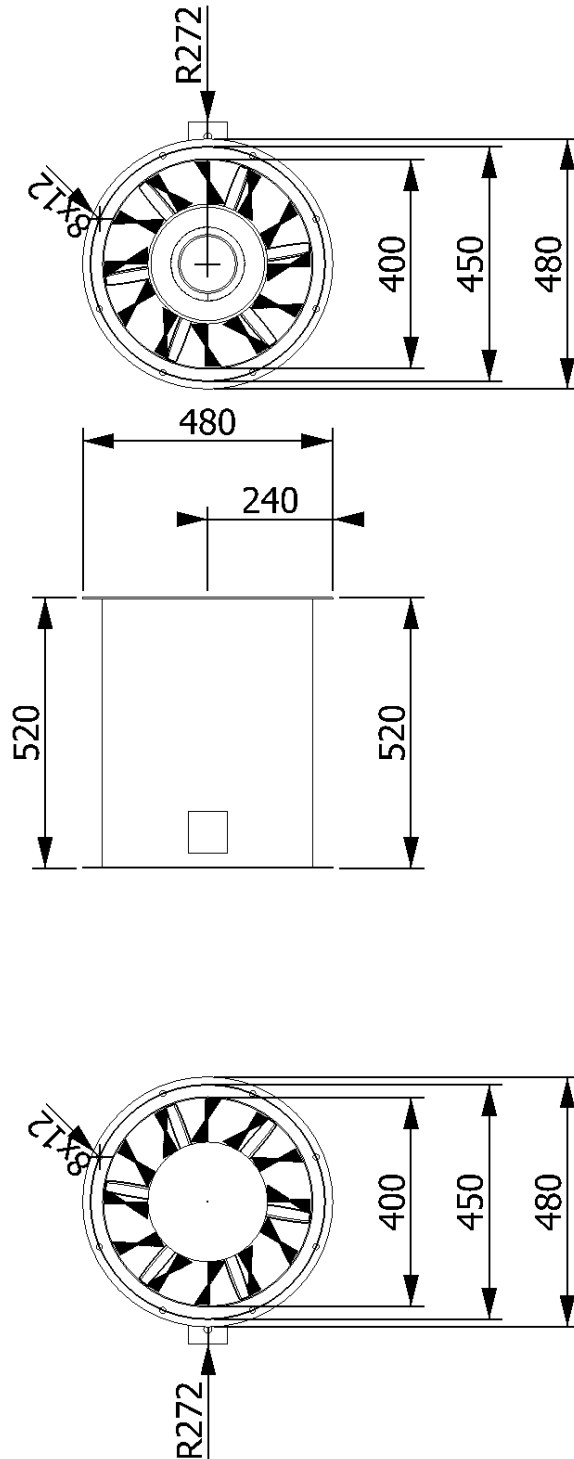
*Breakout noise does not take into account flexible connections and other accessories. Breakout noise is measured at 1 meter.*

*Indicative sound pressure level is under free field conditions at an angle of 45°.*

## Technical specification

|               |                                          |                 |        |
|---------------|------------------------------------------|-----------------|--------|
| Customer      |                                          | Project         | 119614 |
| Reference     |                                          | Quotation/Order |        |
| Configuration | ACN 400-230 A26 WEG 0,55 kW<br>440V/60HZ | Our reference   | PAZ    |
|               |                                          | Site/System     |        |

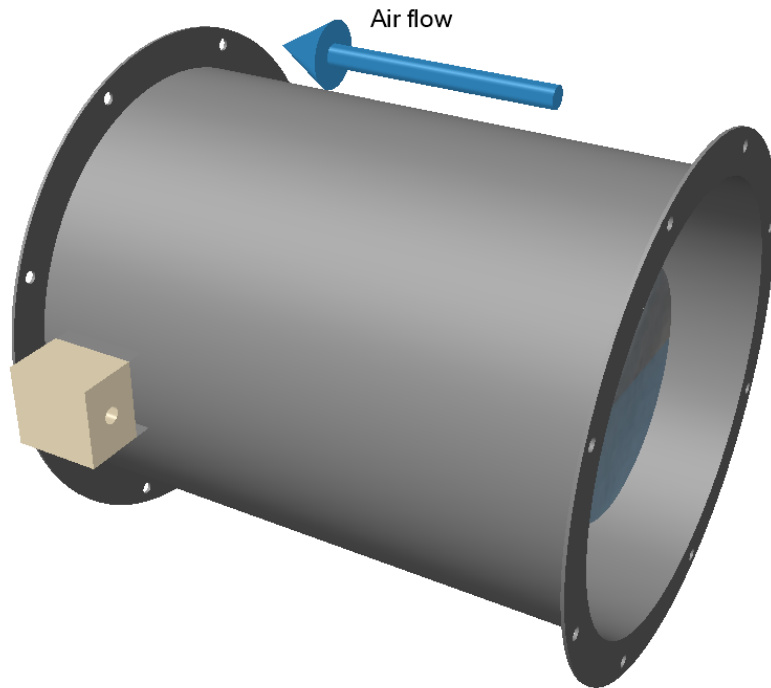
### Sketch [mm]:



## Technical specification

|               |                                          |                 |        |
|---------------|------------------------------------------|-----------------|--------|
| Customer      |                                          | Project         | 119614 |
| Reference     |                                          | Quotation/Order |        |
| Configuration | ACN 400-230 A26 WEG 0,55 kW<br>440V/60HZ | Our reference   | PAZ    |
|               |                                          | Site/System     |        |

### Drawing:



### Spare parts:

None selected



## Technical specification

|               |                                          |                 |        |
|---------------|------------------------------------------|-----------------|--------|
| Customer      |                                          | Project         | 119614 |
| Reference     |                                          | Quotation/Order |        |
| Configuration | ACN 400-230 A26 WEG 0,55 kW<br>440V/60HZ | Our reference   | PAZ    |
|               |                                          | Site/System     |        |

### Disposal of product:

Disassembly of the fan is described in the installation and maintenance guide. Pure metal and plastic parts can be handed in for recycling directly. Motors containing oil and heavy metals, cables as well as panels with insulation must be treated as environmentally unsafe scrap.