



Technical specification

Customer		Project	002468-MPE
Reference		Quotation/Order	
Configuration	ACN 560/230-6 A34	Our reference	MPE
		Site/System	

Fan:

NovAx ACN 560/230-6 A34

Volume flow	3.94 m ³ /s
External total pressure	567 Pa
External static pressure	413 Pa
External dynamic pressure	154 Pa
Pressure gain/loss in accessories	0 Pa
Dynamic pressure loss in outlet	0 Pa
Fan total pressure	567 Pa
Blade material	Aluminium
Hub material	Aluminium
Blade angle	34 °
Efficiency	71.3 %
Power	3.13 kW
a-factor	1.41
Speed	3535 rpm
Max. speed	3738 rpm
Altitude of installation	0.0 m
Temperature	20.0 °C
Humidity	50.0 %RH
Inlet	Duct
Outlet	Duct
Total weight of installation	78 kg
Maximum diameter/Width of installation	650 mm
Master product ID	mp-f08
Flange standard	Eurovent 1/2
Moment of inertia	0.09 kgm ²
Startup time	1.8 s
Air density	1.20 kg/m ³
Overall Static Efficiency	46.8 %
Total efficiency (Fan, Motor)	64.2 %
Measurement category (A-D)	D
Efficiency category	Total
Optimum efficiency grade	67.1 %
Target energy efficiency (2026)	59.9 %
Specific ratio	1.01
Specific fan power (SFP)	0.883 kJ/m ³
Fan Efficiency Index (FEI)	1.38

Motor:

Nidec 2P LSES-100LG 3.7kW B14 440YV 60Hz

Manufacturer	Nidec
Product code	LSES-100LG
Rated power	3.7 kW
Max available power	3.7 kW
Rated Torque	12 Nm
Rated speed	3535 rpm
Current	5.9 A
Rated current	6.1 A
Starting Current	44.8 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	90.0 %
Mounting arrangement	B14
Start-up	Direct starting
Windings type	1 speed (1 Winding)
Motor Moment of Inertia	0.00941 kgm ²
Motor weight	35.2 kg
Power input	3.476 kW
Classification	Lloyd's Register of Shipping
Motor item number	927489-0

Motor fit remark:

No T-box, but 1,5m multicore cable



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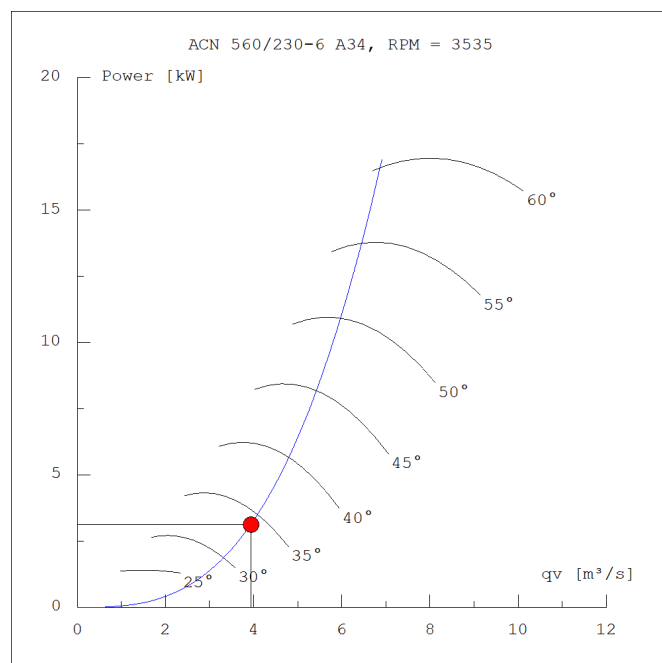
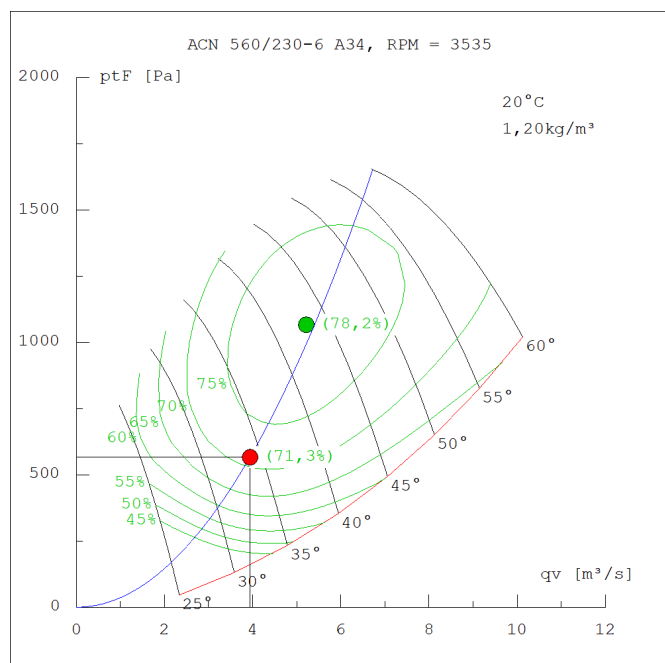
Terminal Box:

Cable glands (power supply)	M20
Wire size (Power Supply)	6 x 0,2mm ² - 4,0mm ²
Wire size (Earth)	1 x 0,2mm ² - 4,0mm ²

Accessories:

None selected

Fan curves:





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Sound data:

	63	125	250	500	1K	2K	4K	8K	Hz	Total	
Inlet sound power level	81	90	97	96	97	92	88	85	dB	103 dB	101 dB(A)
Fan sound power level	81	90	97	96	97	92	88	85	dB	103 dB	101 dB(A)
Outlet sound power level	81	90	97	96	97	92	88	85	dB	103 dB	101 dB(A)
Breakout sound pressure level	61	67	71	67	65	57	50	44	dB	74 dB	69 dB(A)
Indicative sound pressure level at 3m/45° from the inlet										85 dB	83 dB(A)
Indicative sound pressure level at 3m/45° from the outlet										85 dB	83 dB(A)

Tolerance: ± 3 dB for total sound levels and ± 4 dB for octave bands

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

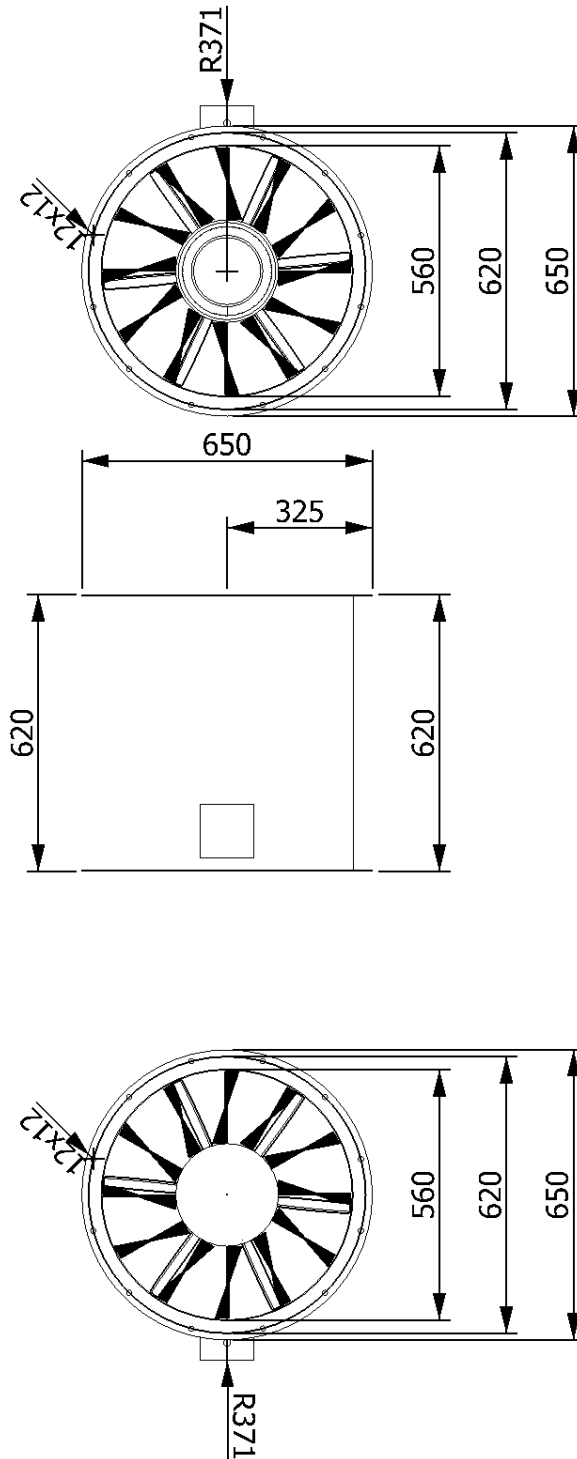
Indicative sound pressure level is under free field conditions at an angle of 45°.

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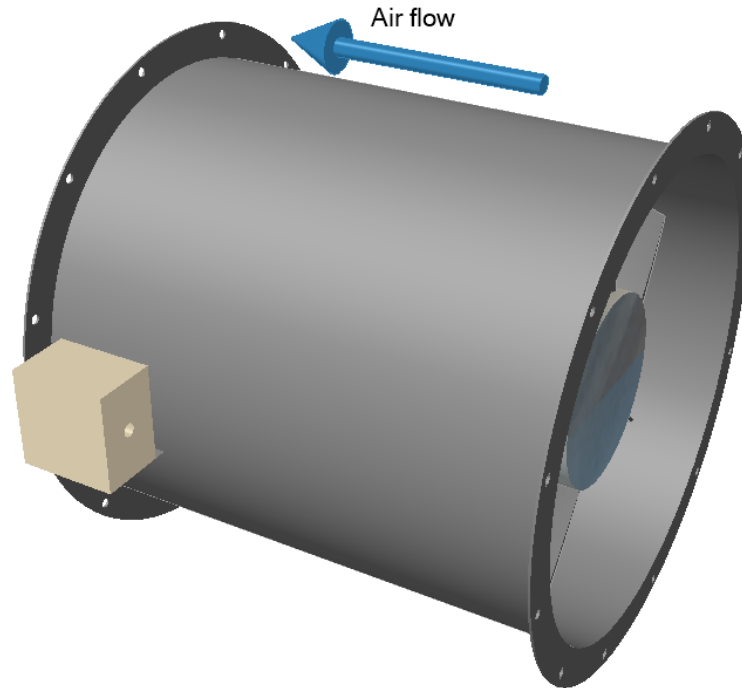
Sketch [mm]:



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Drawing:



Spare parts:

None selected



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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.