

AL 315 D4 01

154132

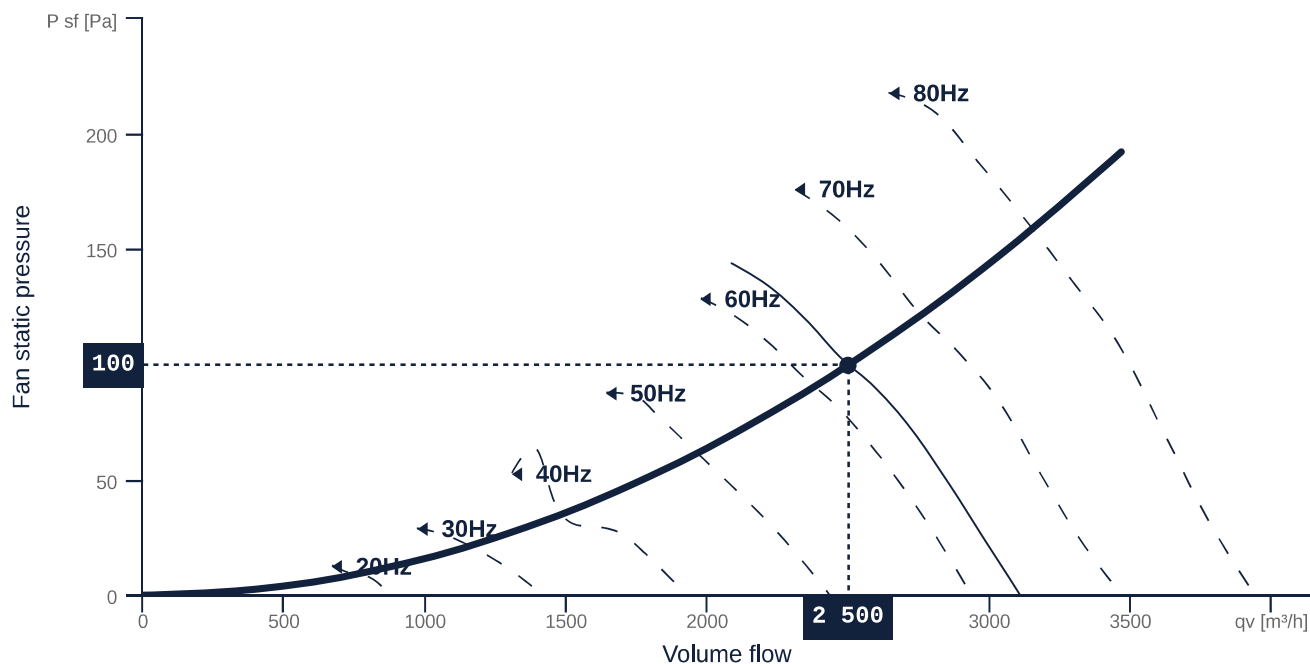
- Innovative, high-efficiency axial fan
- Optimally tuned, CFD-optimized aerodynamics
- Housing weight optimized, powder coated
- Efficient IE3 motor, frequency controllable
- Conveyed medium temperature up to 60 °C in continuous operation
- Exceeds current ErP regulation by 15 - 20%



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FAN CURVES

Name	Value	Unit
Volume flow	2500	m³/h
Pressure	100	Pa



ruck Ventilatoren GmbH certifies that the fan range AL shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program. / July 2026



TECHNICAL SPECIFICATIONS

Name	Value	Unit	Formula symbol
Volume flow	2500	m³/h	qvcalc
Pressure	100	Pa	psfcalc
Fan pressure	147	Pa	pf
Fan static pressure	100	Pa	psf
Current consumption Motor	0.5	A	Ie
Electrical power consumption	205	W	PeK
Frequency	63	Hz	frq
Rotation speed	1873	1/min	N
Total static efficiency	33	%	etaFaPeK
Total efficiency	49	%	etatPeK
SFP (entire device)	295	W/(m³/s)	sfpdevice
Sound power level inlet	73	dB(A)	LwA5
Sound power level outlet	74	dB(A)	LwA6
Sound power level housing radiation	58	dB(A)	LwA2

SOUND DATA

Sound power	mid-frequency tape										Unit	Formula symbol
	Σ	63	125	250	500	1000	2000	4000	8000	16000		
suction	73	25	39	57	67	68	68	65	57	38	dB(A)	LwA5
blowout	74	29	50	61	68	70	69	63	55	39	dB(A)	LwA6
Casing break out	59	22	35	45	56	53	50	46	39	31	dB(A)	LwA2

SOUND PRESSURE LEVEL CALCULATOR

Name	Value	Unit
Enveloping surface	Halfsphere	
Distance	3	m

Sound pressure	NR	mid-frequency tape										Unit	Formula symbol
		Σ	63	125	250	500	1000	2000	4000	8000	16000		
suction	52	56	7	22	39	49	51	51	47	40	20	dB(A)	LwA5
blowout	53	57	11	32	43	50	52	51	45	37	21	dB(A)	LwA6
Casing break out	37	41	4	18	28	38	35	32	28	22	13	dB(A)	LwA2



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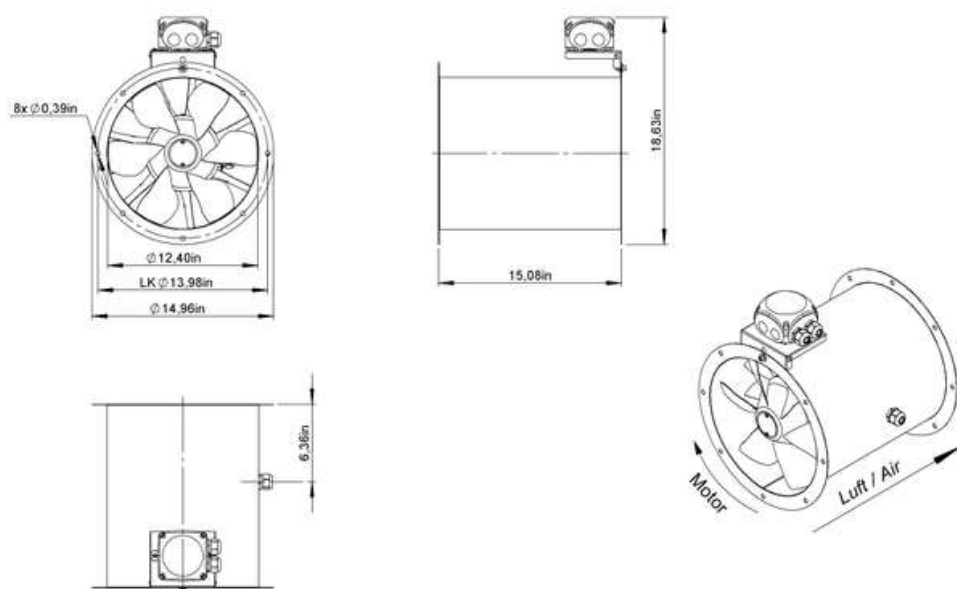
GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA, AMCA		
Duct size	-		WxHduct
Pipe connection size (DN)	DN315		DN
Rated voltage (entire device)	400	v	Urated
Phases (entire device)	3~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Coated steel		matcasing
Impeller material	Coated steel		matimpeller
IP-protection class (entire device)	IPX4		IPcompl
IP-Protection class (terminal box)	IP55		IPebox
Weight	19.3	kg	m
Fan type	Axial		Fanetype
Category / Installation situation	B		cat
Length	383	mm	
Width	380	mm	
Height	380	mm	



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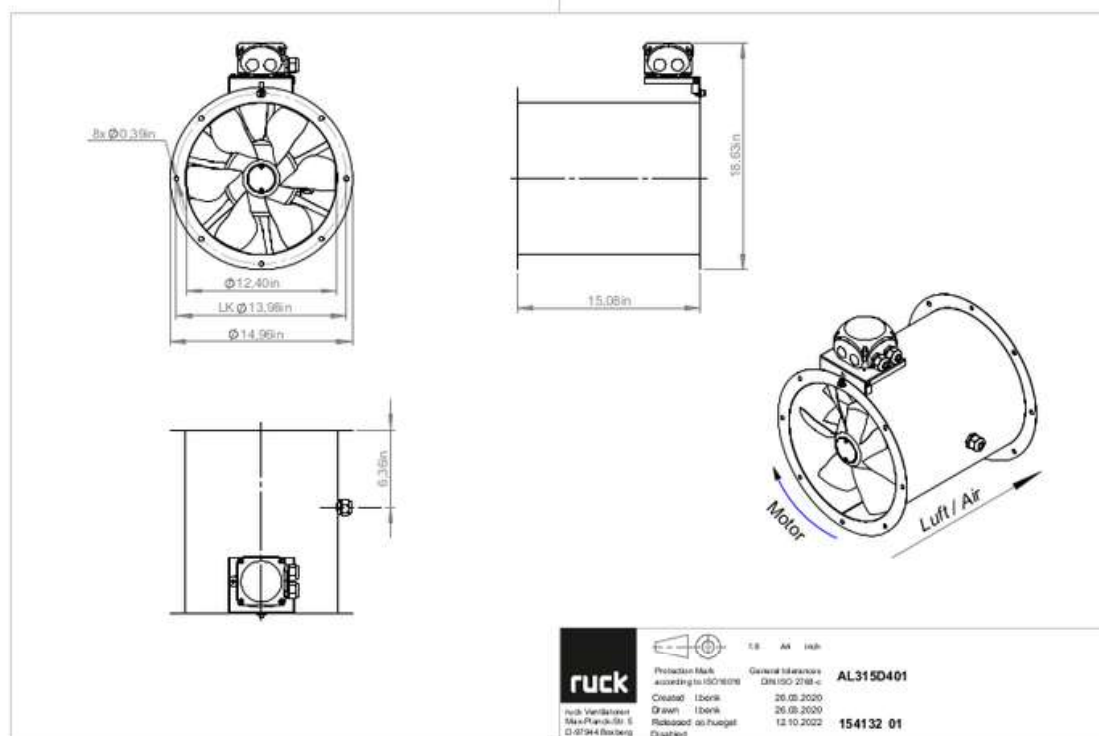
CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



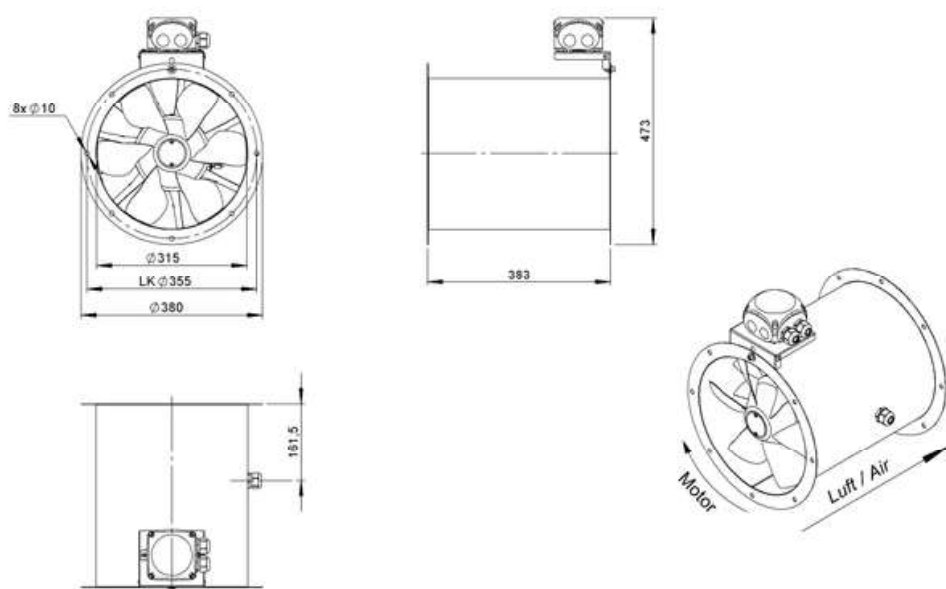
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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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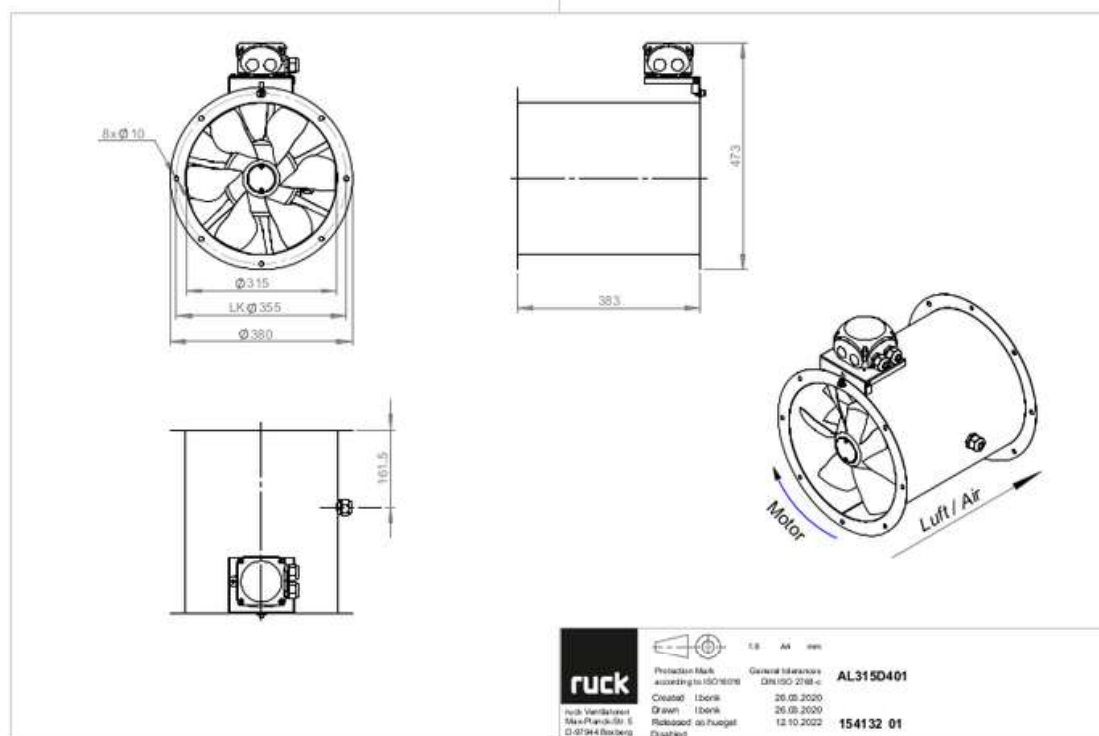


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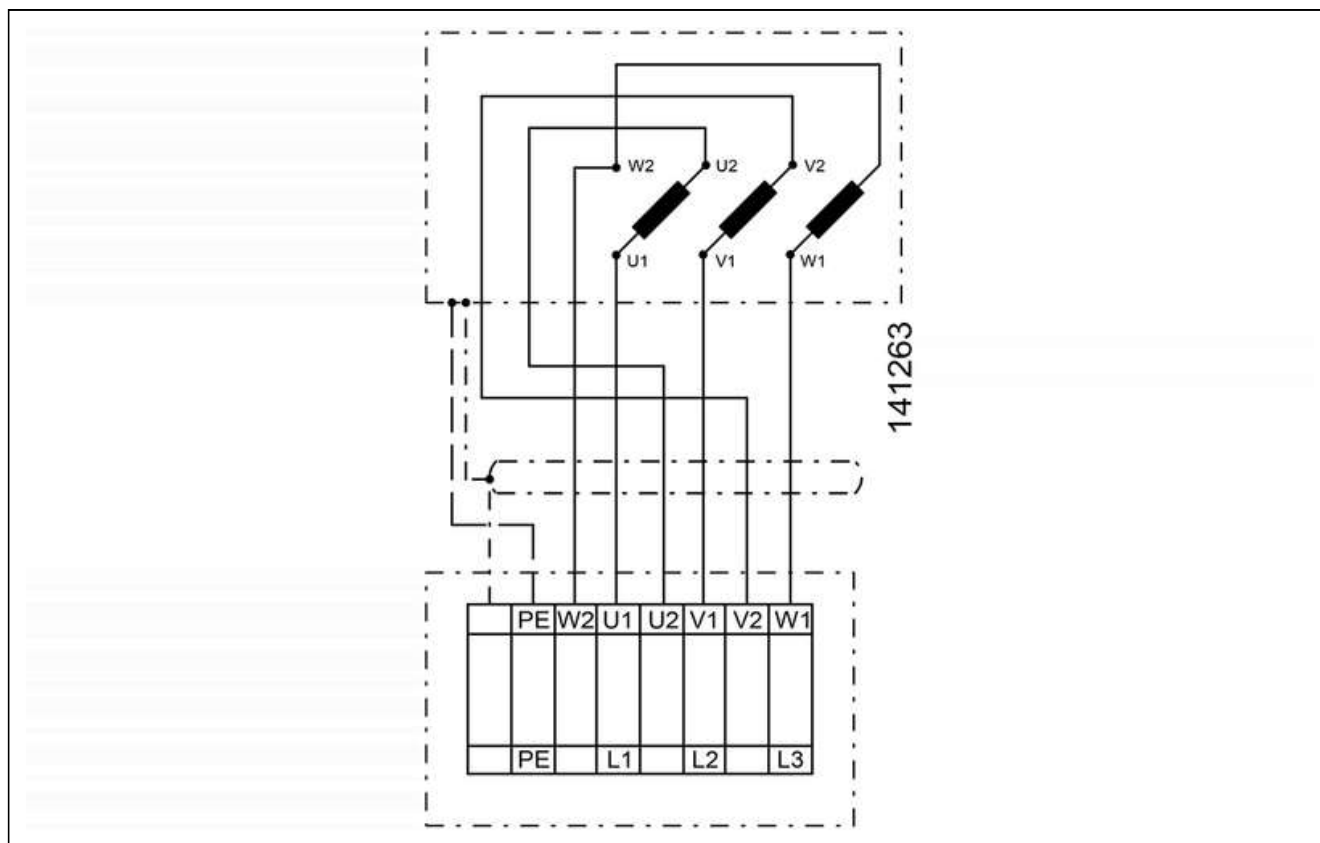


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CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



MECHANICAL ACCESSORIES

RVK 315 | 153873



- Automatic tube shutter
- Sheet steel, powder coated
- For vertical installation
- Flange mounting

RVK H 315 | 155010



- Automatic tube shutter
- Sheet steel, powder coated
- For horizontal installation
- Flange mounting

RAF 315 | 154016



- Round flange
- Sheet steel, powder coated

RVS 315 01 | 154174



- Tube connection spigot
- Sheet steel, powder coated
- Suitable for outdoor installation
- Flange mounting

RAS 315 | 154246



- Round spigot, flexible
- Galvanized steel sheet, plastic band (PES)
- Temperature resistant up to 75 °C
- Flange mounting

ESD 315 | 153962



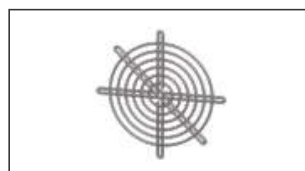
- Inlet cone
- Steel sheet, powder coated
- Flange mounting

FAL 315 | 154805



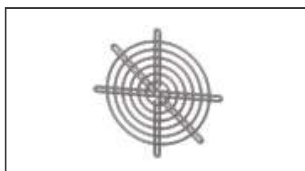
- Mounting foot
- Sheet steel, powder coated

SGW 315 | 154047



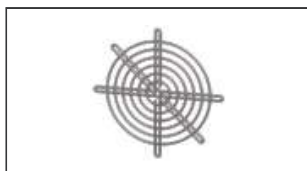
- Protection grille, wide meshed
- Steel sheet, galvanized
- Flange mounting

SGW 355 | 154049



- Protection grille, wide meshed
- Steel sheet, galvanized
- Flange mounting

SGE 315 | 154058



- Protection grille, narrow meshed
- Steel sheet, galvanized
- Flange mounting

FSD 01 | 155498



- Set of 4 vibration dampers
- All metal design, galvanized

FSD 05 | 155502



- Set of 4 vibration dampers
- Made of natural rubber, hardness 55 Shore A

MR 315 | 165670



- Mounting ring
- For vertical mounting
- Powder-coated sheet steel
- Flange mounting DN 315



ELECTRICAL ACCESSORIES

MS 01 | 140407



- Motor protection switch with Isolator switchfunktion
- I_{max} = 400 V, 50/60 Hz
- Max. 0.55 kW
- Protection class IP 55

MTP 20 | 128146



- Potentiometer 10 kΩ
- Switching contact 1A/250V AC - 2,5A/12V DC
- Max. ambient temperature 50 °C

SEN AIR | 148641



- Airflow and temperature transducer
- Measuring range temperature 0...+50 °C
- With adjustable switching threshold (air speed)
- Measuring range air velocity up to 20 m/s

CON P1000 | 115259



- Constant pressure control
- Actual value display possible via optional control unit
- Output 0-10 V DC + FC enable + setpoint reached
- Pressure setting by means of decade switch

FU 075 56 | 155804



- Frequency converter
- Supply voltage 230 V 1~ 50/60 Hz
- Output voltage 0 - 230 V 3~
- Protection class IP 20, for switch cabinet

FU 075 57 | 155805



- Frequency converter IP66
- Supply voltage 230 V 1~ 50/60 Hz
- Output voltage 0 - 230 V 3~
- Fire mode function (smoke extract fans)

FU 075 58 | 155806



- Frequency converter
- Supply voltage 400 V 3~ 50/60 Hz
- Output voltage 0 - 400 V 3~
- Protection class IP 20, for switch cabinet

FU 075 59 | 155807



- Frequency converter
- Supply voltage 400 V 3~ 50/60 Hz
- Output voltage 0 - 400 V 3~
- Fire mode function (smoke extract fans)

GS 02 | 169671



- Isolator switch
- U_{max} = 400 V, 50/60 Hz
- Switching capacity 400 V 3~ = 7,5 kW
- I_{max} = 25 A

MTP 30 | 177381



- Stepped potentiometer 10 kΩ
- Step 1 + 2 settable 10 % - 100 % Vdc
- Step 3 100 % Vdc
- Supply voltage +10Vdc

