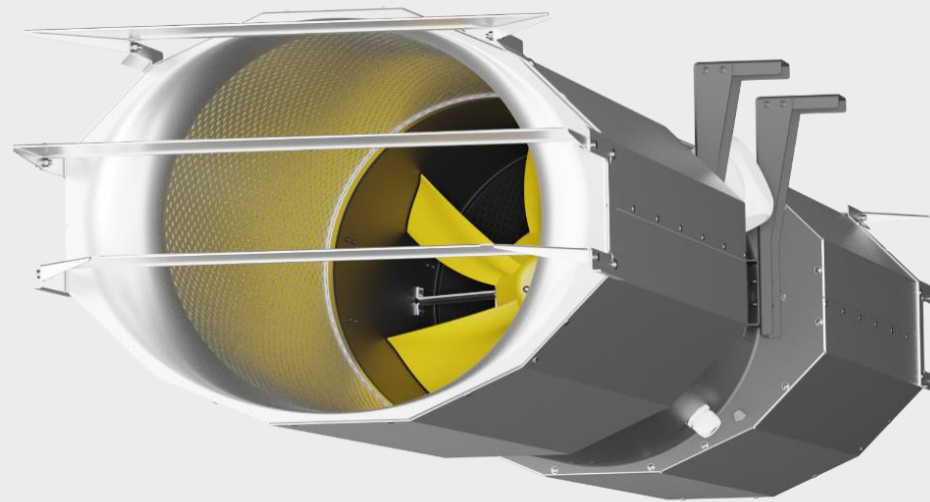


# Car Park Axial

## The new benchmark for JetFans



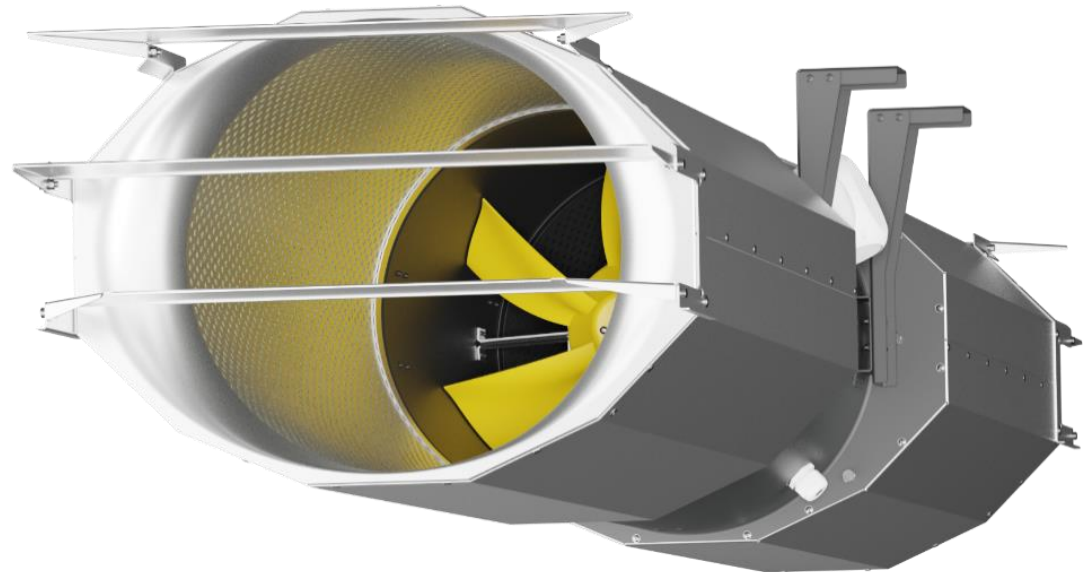
**Available now!**

# Objective

**ruck Ventilatoren** developed the CPA JetFans in three dimensions.  
Our objective: The best aerodynamics.

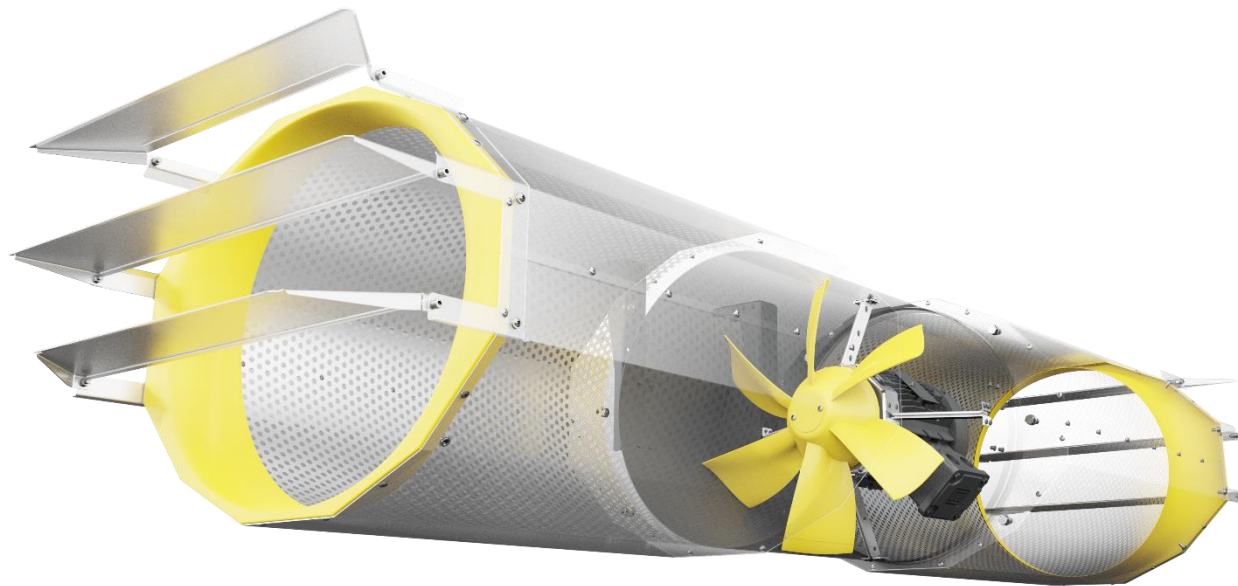
**ruck CPA** fulfills all mandatory parameters for a JetFan:

- **Max. Flow rate or thrust at a given diameter and motor power**
- **Unidirectional and reversible operation**
- **Low overall height**
- **Easy mounting**
- **All relevant approvals**



## Aerodynamics

We achieve the main part of the improvement with an axial impeller specially developed for this application. On the rotor side, the inflow has been improved by the tapered hub already familiar from our AXIALINE. The three-dimensionally curved axial impeller blade is specifically optimized for low pressures and high volume flow.



## Patented inlet nozzle

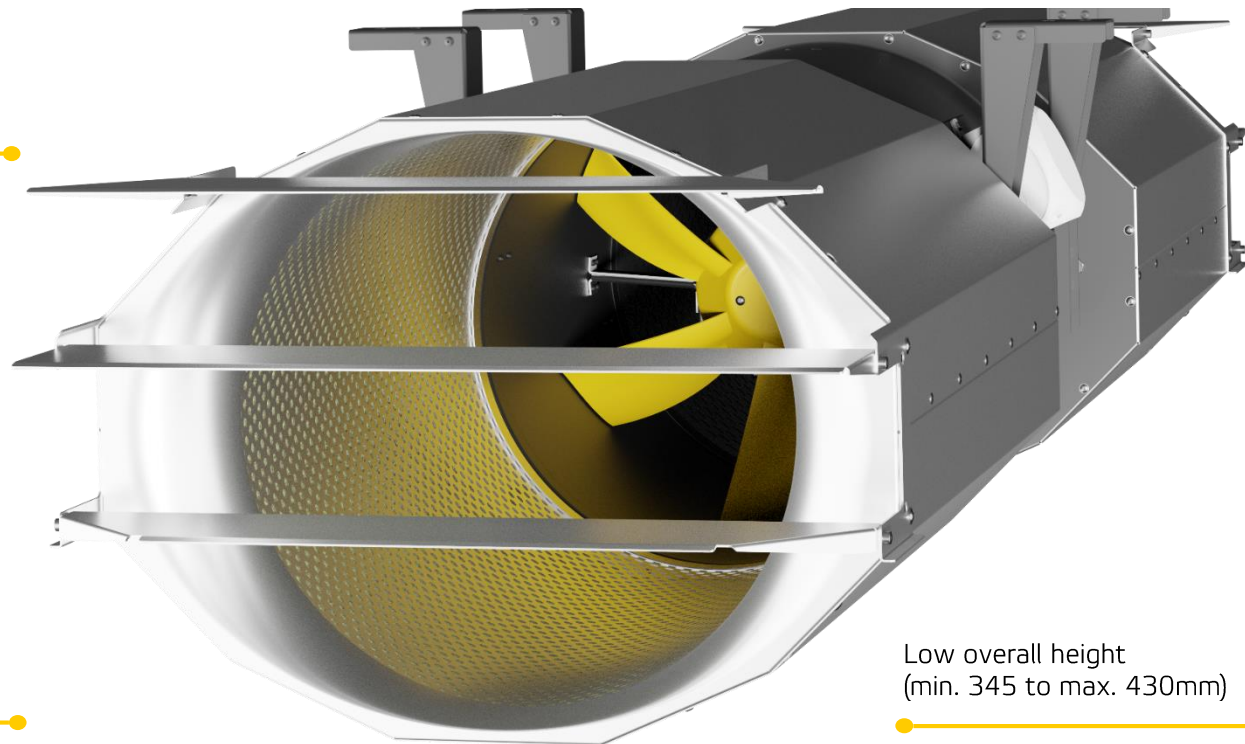
Since low overall height is an important goal, we have aerodynamically optimized the inlet and outlet. A patented inlet nozzle contributes to the good overall result with a 4% increase in volume flow.

# The features at a glance

Pre-assembled silencers,  
the device is easily mounted.  
Height is easily adjustable.

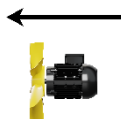
Reversible impeller with up  
to 98% volume flow in  
reversible mode

Specially developed motor  
suspension with high  
stability and low pressure  
losses



Low overall height  
(min. 345 to max. 430mm)

# Technical data



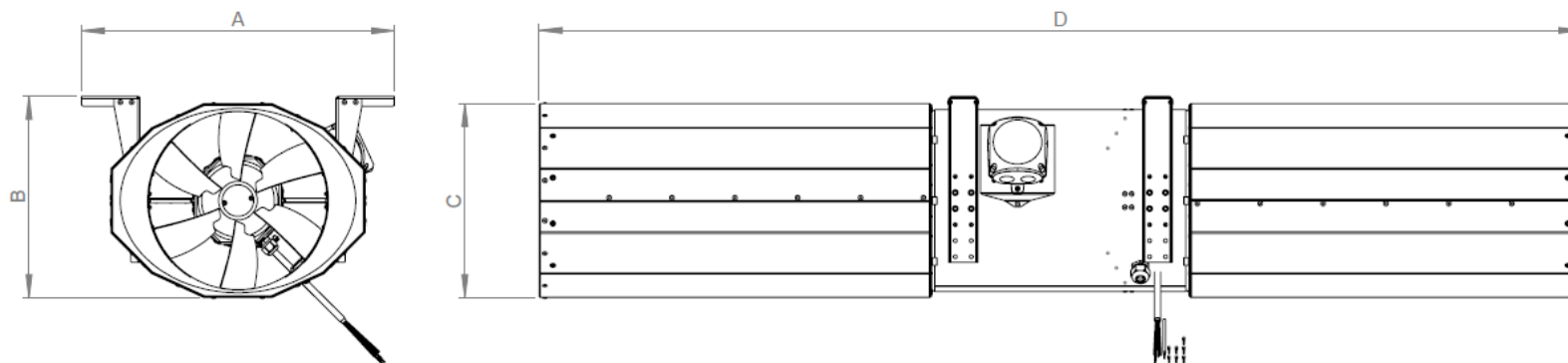
Airflow direction A



Airflow direction B

Product name	Voltage	Frequency	Nominal power P <sub>n</sub>	Direction	Air flow q <sub>v</sub>	Thrust T <sub>c</sub>	Sound pressure level LpA in 3m	Height	Max. conveying medium temperature		
									C°		
	V	Hz	kW		m <sup>3</sup> /h	N	dB(A)	mm	Standard 60°C/24h	F3 300°C/120min	F4 400°C/120min
CPA 315 D42	400	50	1,1	A	4875	28	65	346	√	√	√
				B	4910	29	64				
			0,25	A	2400	7	47				
				B	2450	7	64				
CPA 315 D2	400	50	1,1	A	4875	28	65	346	√	√	√
				B	4910	29	64				
CPA 355 D42	400	50	1,5	A	7330	50	70	394	√	√	√
				B	7050	47	67				
			0,37	A	3640	12	52				
				B	3525	12	50				
CPA 355 D2	400	50	1,5	A	7330	50	70	394	√	√	√
				B	7050	47	67				
CPA 400 D42	400	50	2,2	A	10830	87	73	431	√	√	√
				B	10020	74	72				
			0,55	A	5500	22	54				
				B	5060	19	53				
CPA 400 D2	400	50	2,2	A	10830	87	73	431	√	√	√
				B	10020	74	72				

# Technical data



Product name	A	B	C	D
	mm			
CPA 315 D42	547	346	339	1824
CPA 315 D2	547	346	339	1824
CPA 355 D42	589	394	379	1824
CPA 355 D2	589	394	379	1824
CPA 400 D42	635	431	424	1824
CPA 400 D2	635	431	424	1824

# Comparison competitive products

## Reversible JetFans Ø 315

Manufacturer	Type	Diameter	Thrust Tc	Thrust comparison* %
<b>ruck</b>	<b>CPA 315</b>	<b>315</b>	<b>29</b>	<b>100%</b>
A	A 1.1 r	315	22	76%
	A 1.2 r	315	22	77%
	A 1.3 r	315	26	89%
	A 1.4 r	315	22	77%
	A 1.5 r	315	22	77%
	A 1.6 r	315	26	89%
B	B 1.1 r	315	23	80%
	B 1.2 r	315	23	80%
	B 1.3 r	315	23	80%
	B 1.4 r	315	23	80%
C	C 1.1 r	315	15	52%
D	D 1.1 r	315	18	61%
	D 1.2 r	315	14	<b>48%</b>
E	E 1.1 r	315	23	80%
	E 1.2 r	315	23	80%
	E 1.3 r	315	21	72%
	E 1.4 r	315	23	80%
	E 1.5 r	315	23	80%
	E 1.6 r	315	23	80%
F	F 1.1 r	315	24	85%
	F 1.2 r	315	28	98%
	F 1.3 r	315	24	85%

\* Result in % of thrust values Tc ruck and competitive products

# Comparison competitive products

## Reversible JetFans Ø 355

Manufacturer	Type	Diameter	Thrust Tc	Thrust comparison* %
<b>ruck</b>	<b>CPA 355</b>	<b>355</b>	<b>48</b>	<b>100%</b>
A	A 2.1 r	355	36	74%
	A 2.2 r	355	46	94%
	A 2.3 r	355	44	90%
	A 2.4 r	355	44	90%
	A 2.5 r	355	46	94%
B	B 2.1 r	355	37	77%
	B 2.2 r	355	38	79%
D	D 2.1 r	355	33	68%
	D 2.2 r	355	33	68%
E	E 2.1 r	355	38	78%
	E 2.2 r	355	38	78%
	E 2.3 r	355	34	70%
	E 2.4 r	355	45	92%
	E 2.5 r	355	38	78%
	E 2.6 r	355	38	78%
F	F 1.1 r	355	45	92%
	F 2.1 r	355	45	92%
G	G 2.1 r	355	38	78%
	G 2.2 r	355	38	78%

\* Result in % of thrust values Tc ruck and competitive products



# Comparison competitive products

## Reversible JetFans Ø 400

Manufacturer	Type	Diameter	Thrust Tc	Thrust comparison* %
<b>ruck</b>	<b>CPA 400</b>	<b>400</b>	<b>86</b>	<b>100%</b>
A	A 3.1 r	400	59	69%
	A 3.2 r	400	56	66%
	A 3.3 r	400	56	66%
B	B 3.1 r	400	62	73%
	B 3.2 r	400	60	69%
	B 3.3 r	400	60	69%
C	C 3.1 r	400	52	61%
	C 3.2 r	400	50	58%
	C 3.3 r	400	53	62%
D	D 3.1 r	400	63	73%
E	E 3.1 r	400	56	65%
	E 3.2 r	400	66	76%
	E 3.3 r	400	56	65%
	E 3.4 r	400	66	76%
	E 3.5 r	400	66	76%
	E 3.6 r	400	56	65%
	E 3.7 r	400	56	65%
	E 3.8 r	400	66	76%
	E 3.9 r	400	56	65%
F	F 3.1 r	400	68	79%
	F 3.2 r	400	68	79%
G	G 3.1 r	400	50	58%
	G 3.2 r	400	50	58%

\* Result in % of thrust values Tc ruck and competitive products

# Comparison competitive products

## Unidirectional JetFans Ø 315

Manufacturer	Type	Diameter	Thrust Tc	Thrust comparison* %
<b>ruck</b>	<b>CPA 315</b>	<b>315</b>	<b>29</b>	<b>100%</b>
B	B 1.1 u	315	25	88%
	B 1.2 u	315	23	80%
	B 1.3 u	315	24	84%
	B 1.4 u	315	24	84%
C	C 1.1 u	315	21	73%
D	D 1.1 u	315	22	75%
	D 1.2 u	315	22	75%
F	F 1.1 u	315	31	110%
	F 1.2 u	315	33	115%
	F 1.3 u	315	31	110%
	F 1.4 u	315	33	115%
G	G 1.1 u	315	28	98%
	G 1.2 u	315	28	98%
H	H 1.1 u	315	24	84%
	H 1.2 u	315	31	108%
	H 1.3 u	315	24	84%
	H 1.4 u	315	31	108%
I	I 1.1 u	315	27	94%

\* Result in % of thrust values Tc ruck and competitive products

# Comparison competitive products

## Unidirectional JetFans Ø 355

Manufacturer	Type	Diameter	Thrust Tc	Thrust comparison* %
<b>ruck</b>	<b>CPA 355</b>	<b>355</b>	<b>48</b>	<b>100%</b>
B	B 2.1 u	355	46	95%
	B 2.2 u	355	43	89%
	B 2.3 u	355	46	95%
	B 2.4 u	355	46	95%
C	C 2.1 u	355	50	103%
	C 2.2 u	355	50	103%
D	D 2.1 u	355	38	78%
	D 2.2 u	355	38	78%
F	F 2.1 u	355	53	109%
	F 2.2 u	355	53	109%
G	G 2.1 u	355	48	100%
	G 2.2 u	355	48	100%
H	H 2.1 u	355	39	80%
	H 2.2 u	355	39	80%
I	I 2.1 u	355	47	97%

\* Result in % of thrust values  
Tc ruck and competitive  
products

# Comparison competitive products

## Unidirectional JetFans Ø 400

Manufacturer	Type	Diameter	Thrust Tc	Thrust comparison* %
<b>ruck</b>	<b>CPA 400</b>	<b>400</b>	<b>86</b>	<b>100%</b>
B	B 3.1 u	400	68	79%
	B 3.2 u	400	65	76%
	B 3.3 u	400	65	76%
C	C 3.1 u	400	57	66%
	C 3.2 u	400	50	58%
D	D 3.1 u	400	63	73%
F	F 3.1 u	400	77	90%
	F 3.2 u	400	77	90%
G	G 3.1 u	400	55	64%
	G 3.2 u	400	55	64%
	G 3.3 u	400	74	86%
	G 3.4 u	400	74	86%
H	H 3.1 u	400	56	65%
	H 3.2 u	400	73	85%
	H 3.3 u	400	56	65%
	H 3.4 u	400	73	85%
I	I 3.1 u	400	79	92%

\* Result in % of thrust values Tc ruck and competitive products

# Prices

Customer ID	Ruck ID	Product name	F3 300°C/120Min	F4 400°C/120Min	Price €	Motors on stock
159059	159050	CPA 315 D2 1,1kW 01			1.556,00	√
159128	159127	CPA 315 D2 1,1kW F3 01	√		2.074,00	
159134	159133	CPA 315 D2 1,1kW F4 01		√	2.791,00	√
159079	159078	CPA 315 D42 0,25/1,1kW 01			1.721,00	√
159139	159138	CPA 315 D42 0,25/1,1kW F3 01	√		2.039,00	√
159167	159166	CPA 315 D42 0,25/1,1kW F4 01		√	2.802,00	√
159061	159060	CPA 355 D2 1,5kW 01			1.797,00	
159107	159106	CPA 355 D2 1,5kW F3 01	√		2.198,00	
159112	159111	CPA 355 D2 1,5kW F4 01		√	3.283,00	
159074	159073	CPA 355 D42 0,37/1,5kW 01			1.900,00	√
159119	159118	CPA 355 D42 0,37/1,5kW F3 01	√		2.093,00	√
159124	159123	CPA 355 D42 0,37/1,5kW F4 01		√	3.131,00	√
159064	159063	CPA 400 D2 2,2 kW 01			1.909,00	√
159103	159102	CPA 400 D2 2,2kW F3 01	√		2.393,00	
159098	159097	CPA 400 D2 2,2kW F4 01		√	3.354,00	√
159069	159068	CPA 400, D42 0,5/2,2kW 01			1.928,00	√
159093	159092	CPA 400 D42 0,5/2,2kW F3 01	√		2.281,00	√
159087	159086	CPA 400 D42 0,5/2,2kW F4 01		√	3.221,00	√

# CPC

Planned start of production June/July 2022

