

EMKI 6035 EC 21

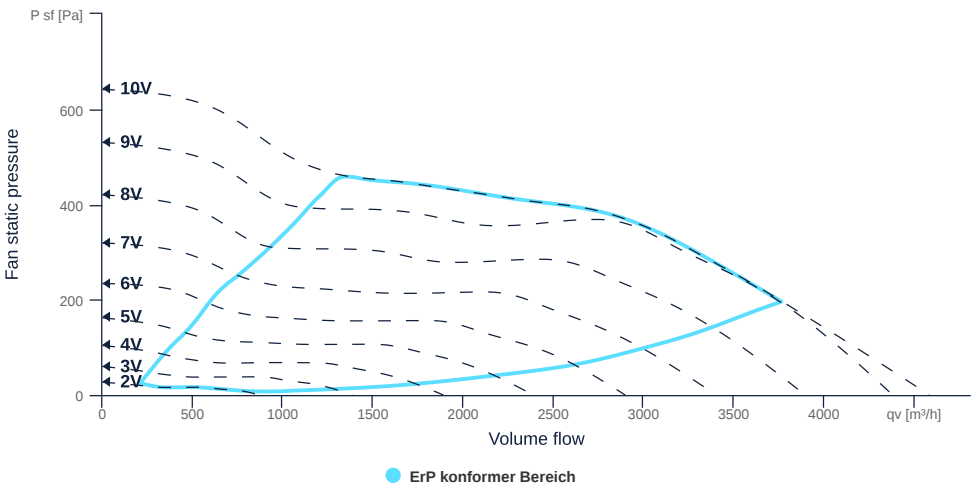
136745

- Efficiency optimized diagonal fan
- Optimally tuned and CFD-optimized aerodynamics
- Soundproof housing made of galvanized sheet steel
- High efficiency EC motor, steplessly controllable
- Conveyed medium temperature up to 45 °C in continuous operation
- Fan unit removable via inspection cover



MAP

Name	Value	Unit
Volume flow	0	m³/h
Pressure	0	Pa



to the product detail page

GENERAL DATA

Name	Value	Unit	Formula symbol
Certifications	CE, UKCA		
Duct size	600x350		WxH _{duct}
Pipe connection size (DN)	-		DN
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat _{casing}
Impeller material	Plastic		mat _{impeller}
Weight	18.9	kg	m
Nominal air flow rate, nominal point m³/h	2818.8	m³/h	q _{v,nom}
Nominal external pressure, static	388	Pa	p _{s,nom}
Fan type	Diagonal		F _{antype}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m³/s	0.78	m³/s	q _{v,nom}
Actual electrical input power, nominal point	0.53	kW	P _{e,nom}
Face velocity, nominal point	3.7	m/s	v _{nom}
Nominal external pressure, static	388	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	65.1	%	η _{es,SUP}
Enclosure sound level, nominal point	67	dB(A)	L _{WA2}
Rating	Product is compliant 2018		

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	534	534	W	P _{ed, max}
Max. operating current (device)	3.66	3.66	A	I _{ed, max}
Max. speed	3220	3220	1/min	n _{max}
Max. stat. efficiency	54.2	54.2	%	η _{es}
Max. fan efficiency	55.1	55.1	%	η _e
Max. flowrate	4580	4580	m³/h	q _{v, max}
Max. stat pressure	640	640	Pa	p _{sf, max}
Max. medium temperature	45	45	°C	T _{m, max}
Max. environment temperature	45	45	°C	T _{amb, max}
Min. environment temperature	-30	-30	°C	T _{amb, min}
Min. voltage	230	230	V	U _{min}



to the product detail page

EMKI 6035 EC 21

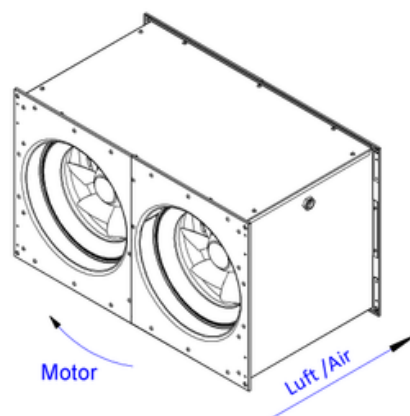
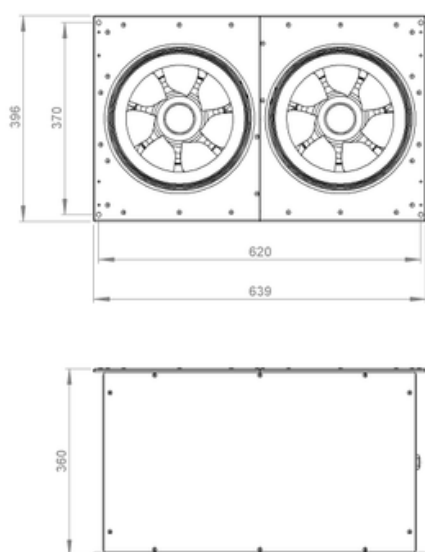
136745



MOTOR DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Rated frequency (device)		50		f
Motor type		EC		phase
Control type		stepless-controlled		ctrltype
Installation type		ORM (Out)		install
Rotation direction		right		rotation
Isolation class		ISO F		ISOclass
Motor-protection		TEC		protectmotor
Protection class		IP33		IPmotor
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Rated voltage	230	230	V	Urated, f1
Rated current	1.72	1.72	A	Irated, f1
Shaft power	267	267	W	Pout, f1
Speed	3047	3047	1/min	nr1
Min. temperature	-30	-30	°C	Tmotor, min
UL-Certification motor		None		ULcert

CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



136745 00

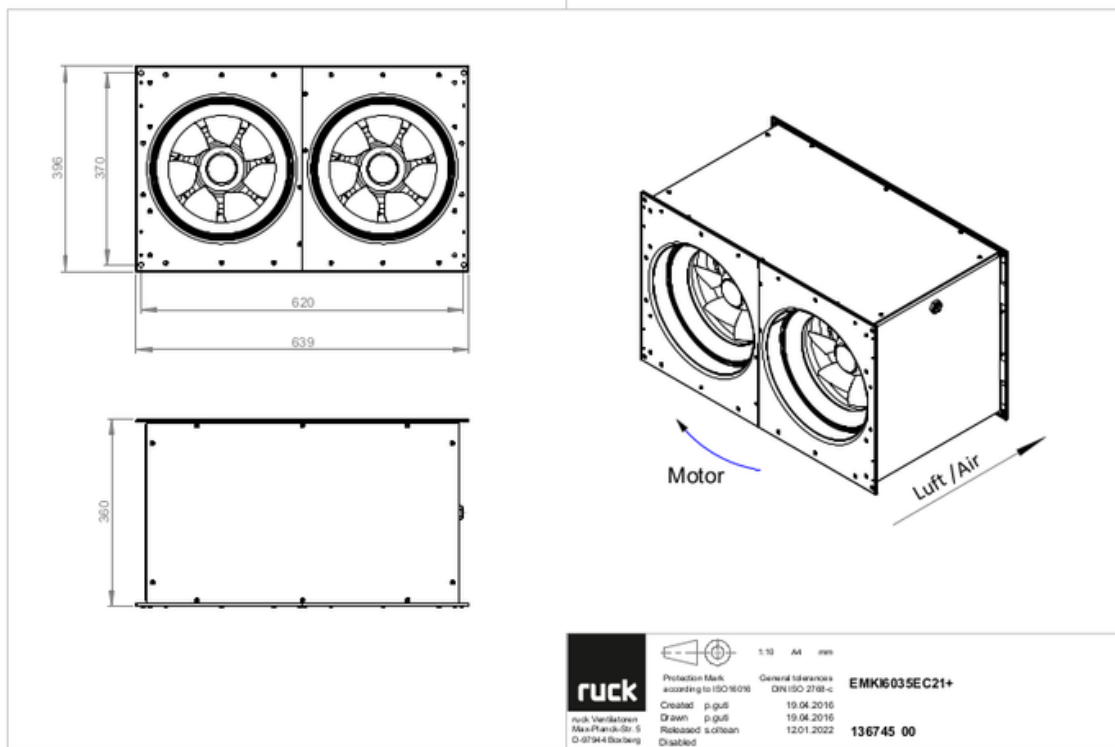


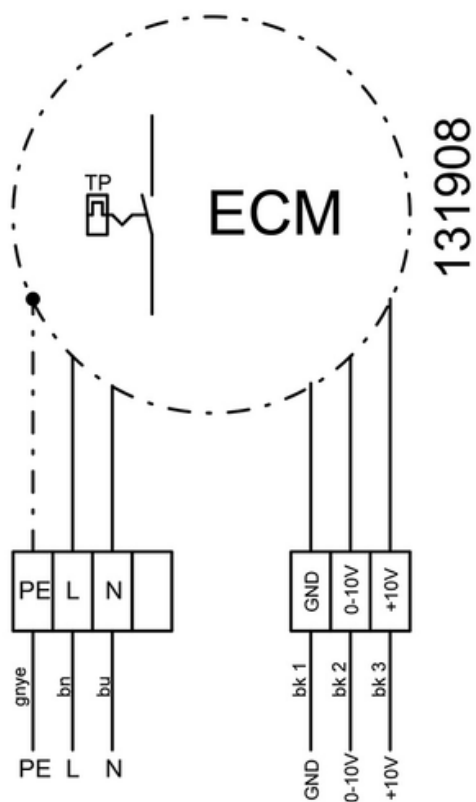
to the product detail page

EMKI 6035 EC 21

136745

ruck

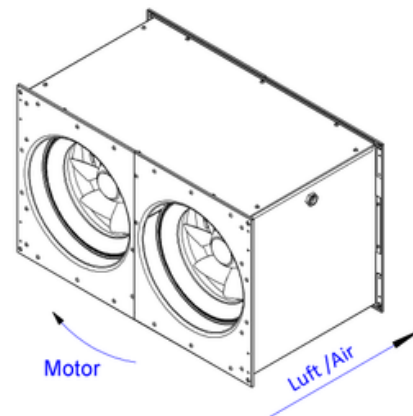
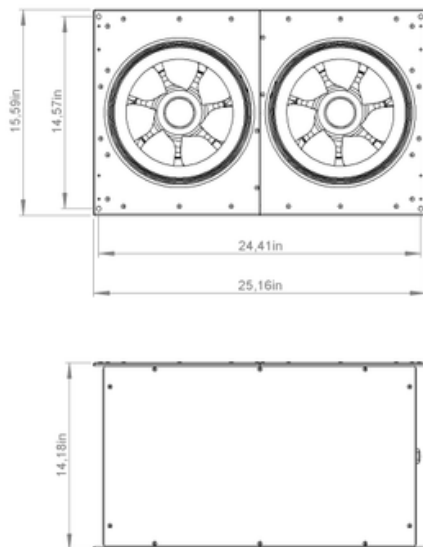




EMKI 6035 EC 21

136745

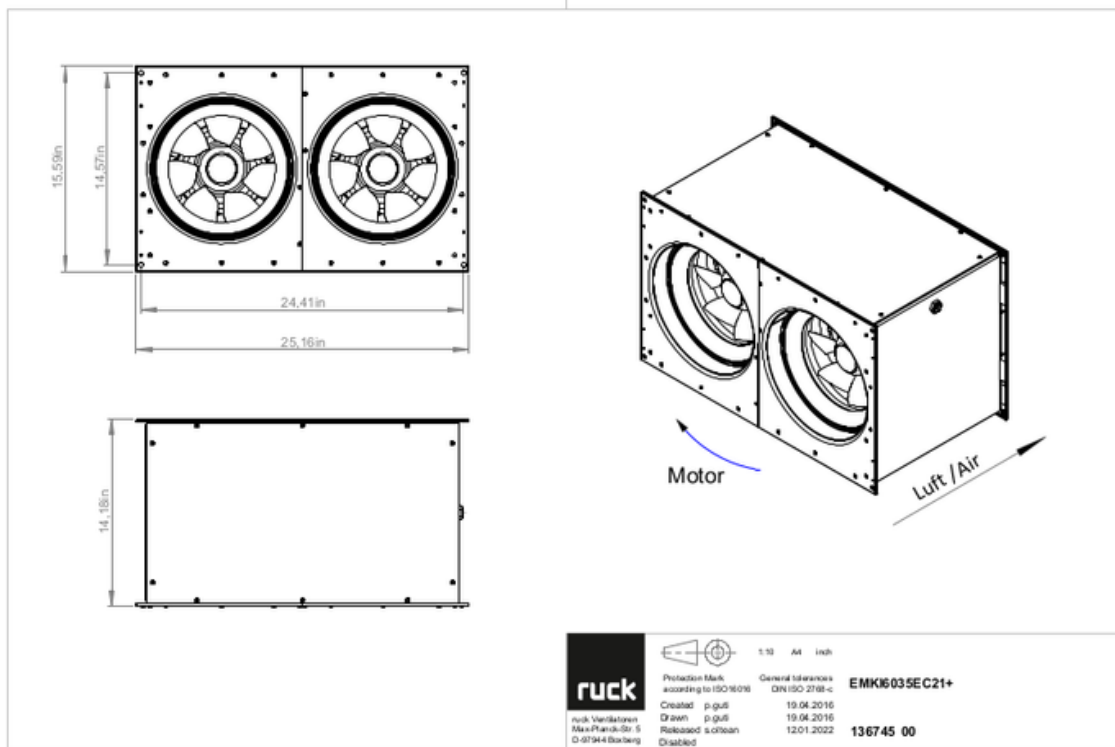
ruck



136745 00



to the product detail page



MECHANICAL ACCESSORIES

VS 6035 | 102808



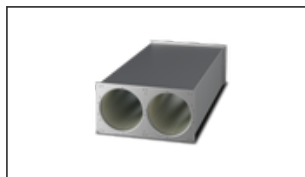
- Duct connector, flexible
- Standard profile flange P20
- Galvanized steel sheet, plastic band (PVC)
- Temperature resistant up to 70 °C

VKK 6035 | 103892



- Automatic shutter
- Plastic, weather resistant
- Temperature resistant up to 70 °C

SDE 6035 L02 | 127751



- Duct silencer
- Sendzimir galvanized sheet steel housing
- Sound absorption by mineral wool with fleece covering on air side
- 20 mm flange profiles



ELECTRICAL ACCESSORIES

GS 01 | 102787



- Isolator switch
- $U_{max} = 400 \text{ V}$, 50/60 Hz
- Switching capacity $400 \text{ V } 3\sim = 5,5 \text{ kW}$
- $I_{max} = 16 \text{ A}$

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

MTP 20 | 128146



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

MTP 30 | 143289



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

MTP 40 | 147359



- Potentiometer 10 k Ω
- Connection in terminal box
- Max. ambient temperature 50 °C
- PU: 20 pieces

MTP 50 | 153133



- Potentiometer with multifunction output
- 230 VAC $\pm 10 \%$ / 50-60 Hz
- Selectable output: 1-10 VDC / 2-20 mA / 10-100 % PWM
- Min. and max. output value adjustable



to the product detail page