

FFH 150 EC EOJR 01

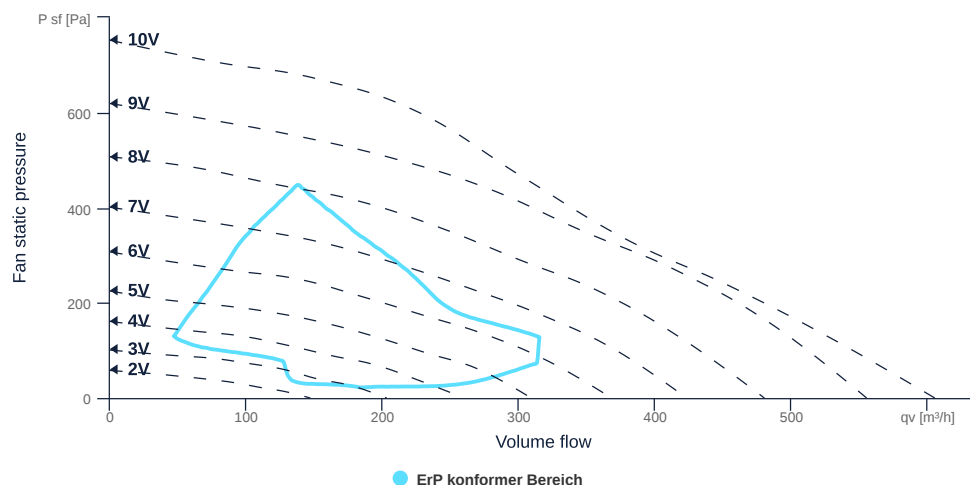
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- Supply air unit in compact design, for ceiling and wall mounting
- Frameless, double wall housing made of galvanized steel sheet, insulated
- Constant air flow EC fans, integrated controls
- Integrated electric heating, safety temperature limiter
- Sensor input, Modbus, 0-10V output for external extract fan
- Integrated outdoor air filter M5



FAN CURVES

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



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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	-		WxH _{duct}
Rated voltage (entire device)	230	V	U _{rated}
Phases (entire device)	1~		phase
Electrical protection (entire device)	16 A		fuse
Housing material	Aluminium		matcasing
IP-protection class (casing)	IP44		IP _{casing}
IP-protection class (entire device)	IPX4		IP _{compl}
Weight	24.8	kg	m
Nominal air flow rate, nominal point m³/h	316.8	m³/h	q _{vnom}
Nominal external pressure, static	128	Pa	p _{s,nom}
Connection side supply air	-		L/R
Type of the ventilation-unit	UVU - with air treatment		AHU _{type}
Type of the heater	Electrical		H _{type}
Type of cooler	No		C _{type}
Outdoor installation	No		outdoor
Speed control	variable speed control		VSD _{type}
Filter class supply air	ISO ePM10 50%		F _{class, sup}

MAXIMAL DATA

Name	Value	Unit	Formula symbol
Max. power consumption (device)	3119	W	P _{ed, max}
Max. operating current (device)	14.03	A	I _{ed, max}
Max. speed	3980	1/min	n _{max}
Max. stat. efficiency	32.3	%	η _{es}
Max. fan efficiency	33.3	%	η _e
Max. flowrate	605	m³/h	q _{v, max}
Max. stat pressure	750	Pa	p _{sf, max}
Max. medium temperature	40	°C	T _{m, max}
Max. environment temperature	40	°C	T _{amb, max}
Min. environment temperature	-30	°C	T _{amb, min}



MOTOR DATA

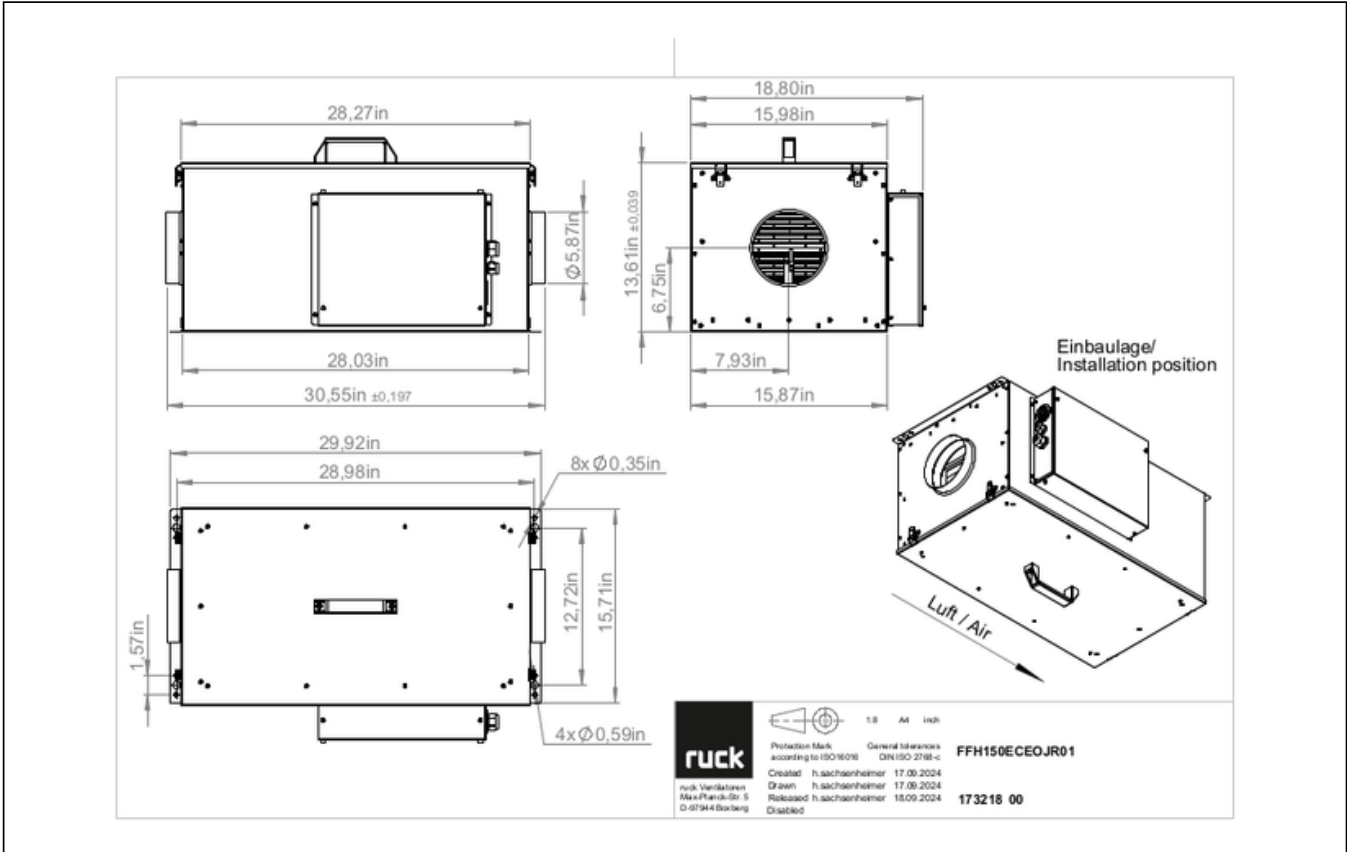
Name	Value	Unit	Formula symbol
Rated frequency (device)	50		f
Motor type	EC		phase
Control type	stepless-controlled		ctrltype
Installation type	ORM (Out)		install
Rotation direction	right		rotation
Isolation class	ISO F		ISOclass
Motor-protection	TEC		protectmotor
Protection class	IP54		IPmotor
Is pole-changeable	No		polexch
Type of power supply	AC 1~		pwrsupmotor
Rated voltage	230	V	U _{rated, f1}
Rated current	0.89	A	I _{rated, f1}
Speed	3960	1/min	n _{f1}
Efficiency	46.8	%	η _{m, f1}
Min. temperature	-30	°C	T _{motor, min}
Cos Phi	0.560000		cos φ
UL-Certification motor	None		ULcert

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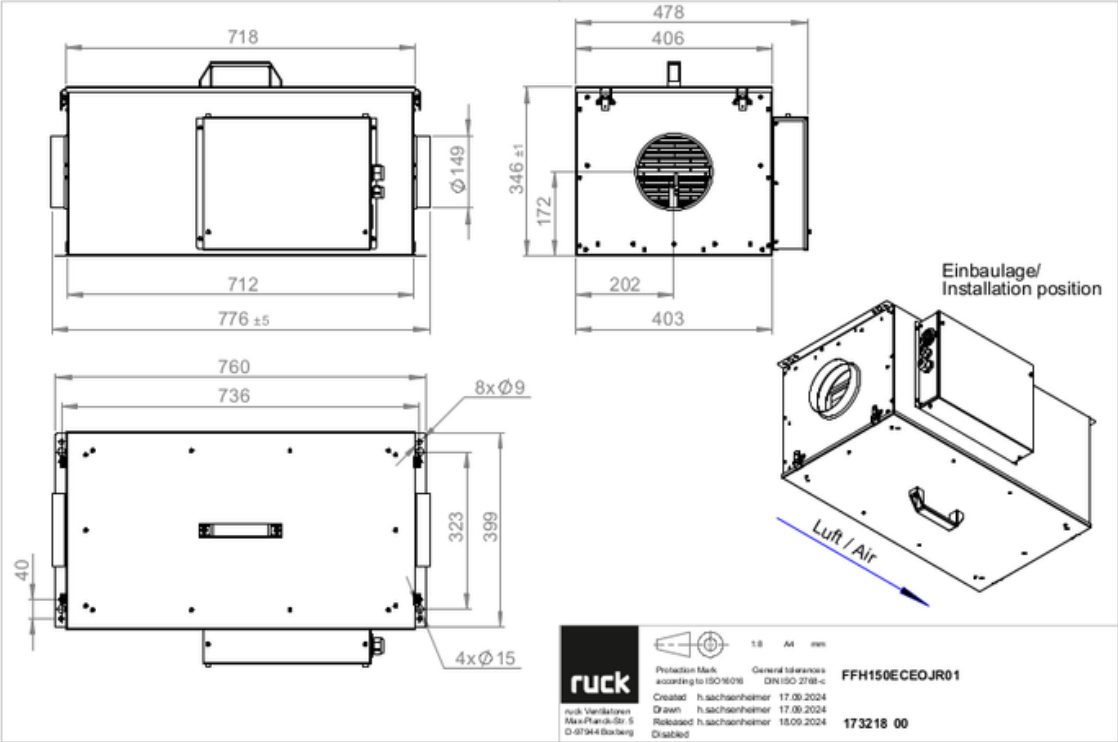


CIRCUIT DIAGRAMS / DIMENSIONAL DRAWINGS



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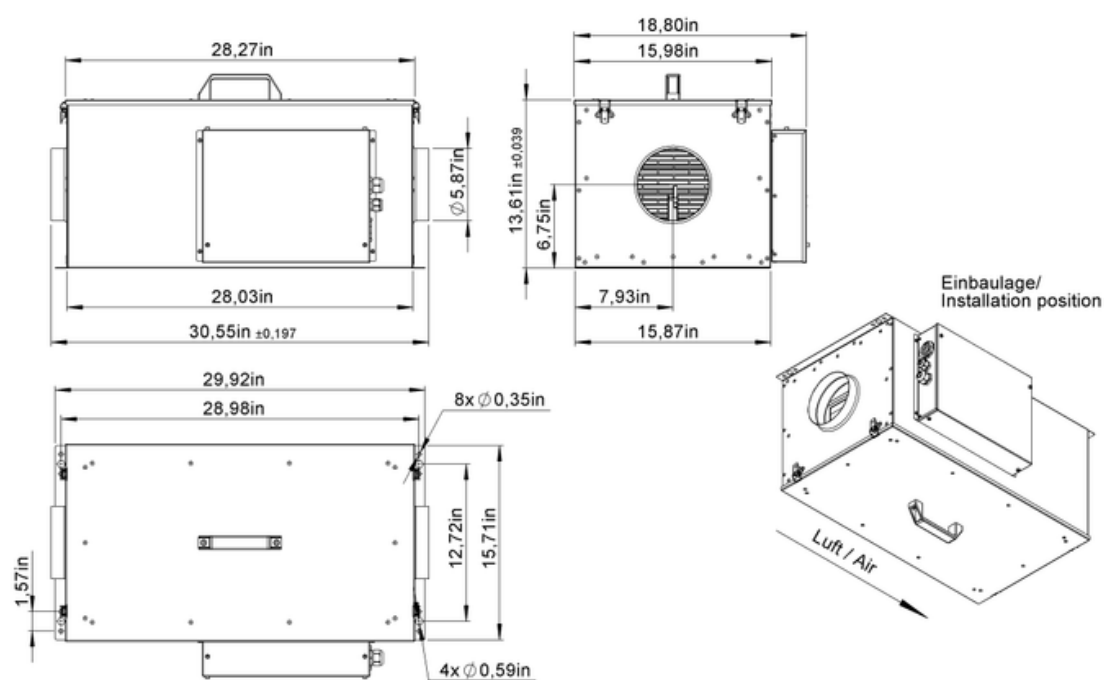
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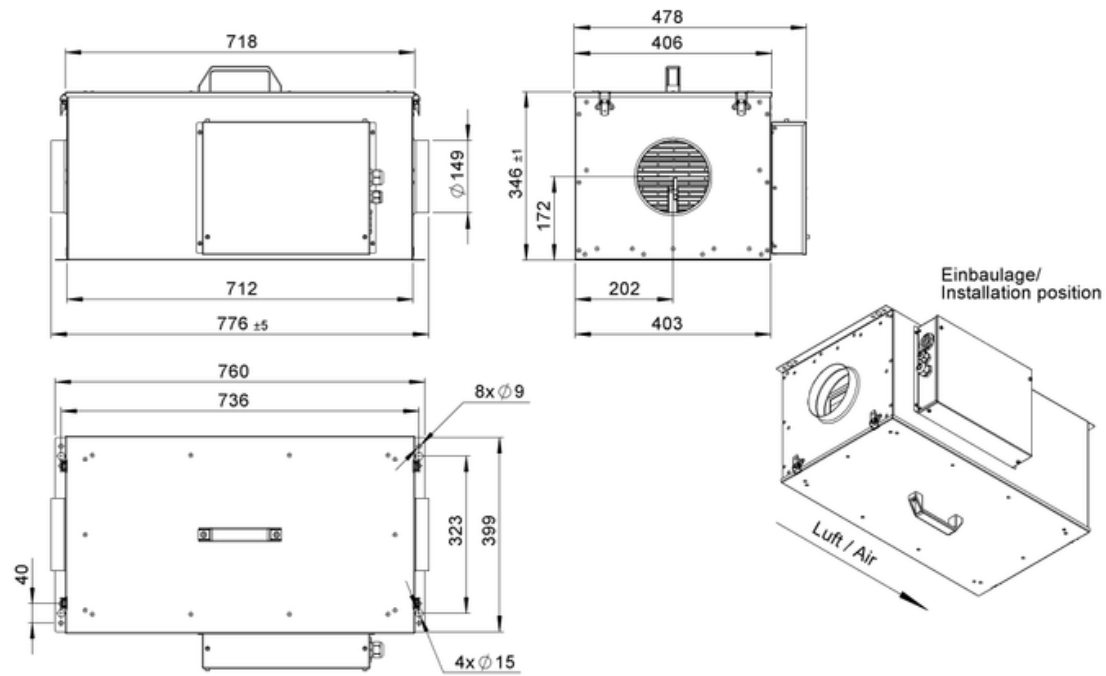
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