

# KVR 6030 EC 31

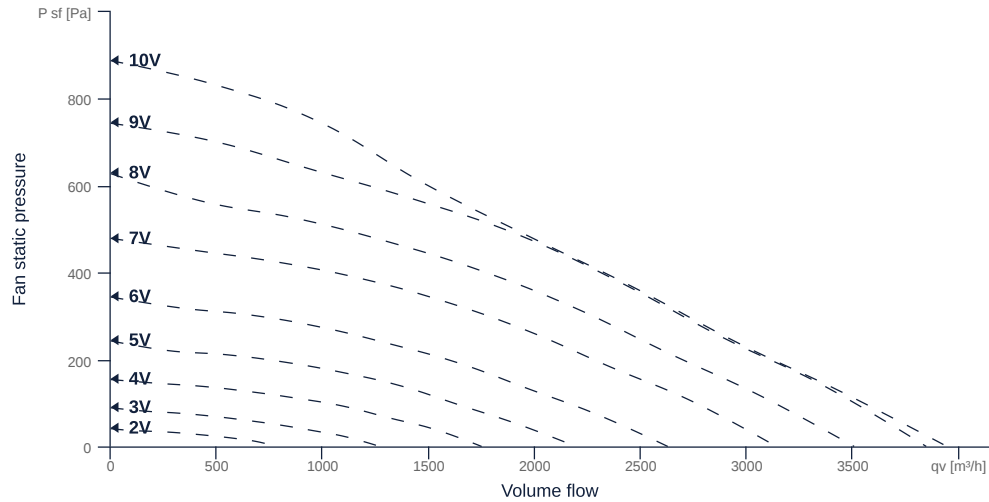
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- Backward curved centrifugal impeller
- Removable fan unit
- Housing made of galvanized sheet steel
- High efficiency EC motor, steplessly controllable
- Conveyed medium temperature up to 50 °C in continuous operation



## 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	600x300		WxH <sub>duct</sub>
Pipe connection size (DN)	-		DN
Rated voltage (entire device)	230	V	U <sub>rated</sub>
Phases (entire device)	1~		phase
Electrical protection (entire device)	6 A		fuse
Housing material	Galvanized steel		mat <sub>casing</sub>
Impeller material	Plastic		mat <sub>impeller</sub>
Weight	24.5	kg	m
Nominal air flow rate, nominal point m <sup>3</sup> /h	2019.6	m <sup>3</sup> /h	q <sub>v,nom</sub>
Nominal external pressure, static	471.6	Pa	p <sub>s,nom</sub>
Fan type	Radial		Fan <sub>type</sub>
Category / Installation situation	A		cat

## ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m <sup>3</sup> /s	0.56	m <sup>3</sup> /s	q <sub>v,nom</sub>
Actual electrical input power, nominal point	0.53	kW	P <sub>e,nom</sub>
Face velocity, nominal point	3.1	m/s	v <sub>nom</sub>
Nominal external pressure, static	471.6	Pa	p <sub>s,nom</sub>
supply air fan static efficiency, nominal point	65.2	%	η <sub>es,SUP</sub>
Highest external air leakage rate	0.7	%	
Enclosure sound level, nominal point	81	dB(A)	L <sub>WA2</sub>
Rating	Product is compliant 2018		



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## MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	537	537	W	P <sub>ed, max</sub>
Max. operating current (device)	2.5	2.5	A	I <sub>ed, max</sub>
Max. speed	1900	1900	1/min	n <sub>max</sub>
Max. stat. efficiency	49.6	49.6	%	η <sub>es</sub>
Max. fan efficiency	50.4	50.4	%	η <sub>e</sub>
Max. flowrate	3940	3940	m <sup>3</sup> /h	q <sub>v, max</sub>
Max. stat pressure	890	890	Pa	p <sub>sf, max</sub>
Max. medium temperature	50	50	°C	T <sub>m, max</sub>
Max. environment temperature	50	50	°C	T <sub>amb, max</sub>
Min. environment temperature	-25	-25	°C	T <sub>amb, min</sub>

## 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		IP55		IP <sub>motor</sub>
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwsup <sub>motor</sub>
Rated voltage	230		V	U <sub>rated, f1</sub>
Rated current	2.2		A	I <sub>rated, f1</sub>
Shaft power	500		W	P <sub>out, f1</sub>
Speed	1500		1/min	n <sub>f1</sub>
Min. temperature	-25		°C	T <sub>motor, min</sub>
UL-Certification motor		UL recognized		ULcert



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