

KVR 6035 EC 31

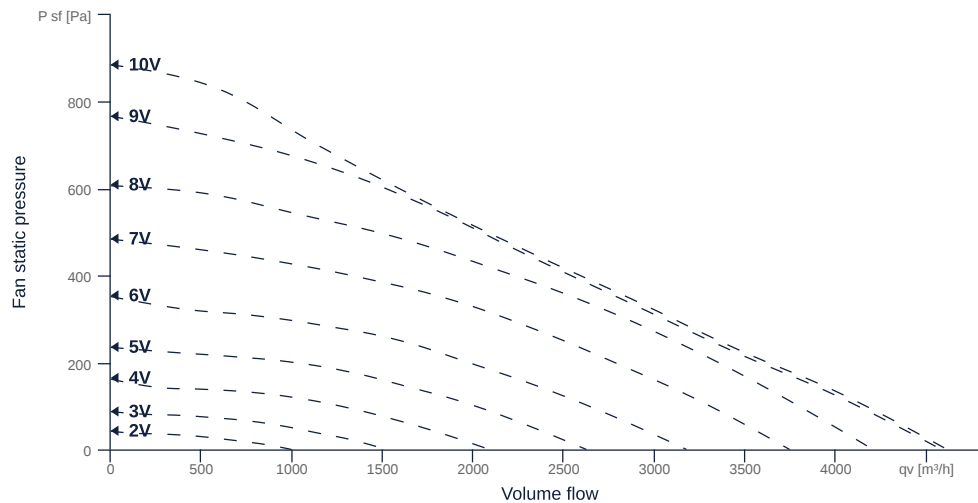
131361

- 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



to the product detail page

KVR 6035 EC 31

131361

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GENERAL DATA

Name	Value	Unit	Formula symbol
Labeling	CE, UKCA		
Duct size	600x350		WxHduct
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		matcasing
Impeller material	Plastic		matimpeller
IP-protection class (entire device)	IPX4		IP _{compl}
IP-Protection class (terminal box)	IP44		IP _{ebox}
Weight	25.1	kg	m
Nominal air flow rate, nominal point m ³ /h	1947.6	m ³ /h	q _{v,nom}
Nominal external pressure, static	334.1	Pa	p _{s,nom}
Fan type	Radial		Fan _{type}
Category / Installation situation	A		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m ³ /s	0.54	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.31	kW	P _{e,nom}
Face velocity, nominal point	2.6	m/s	v _{nom}
Nominal external pressure, static	334.1	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	65.1	%	η _{es,SUP}
Highest external air leakage rate	0.35	%	
Enclosure sound level, nominal point	74	dB(A)	L _{WA2}
Rating	Product is compliant 2018		



to the product detail page

MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	509	509	W	P _{ed, max}
Max. operating current (device)	2.35	2.35	A	I _{ed, max}
Max. speed	1920	1920	1/min	n _{max}
Max. stat. efficiency	53.7	53.7	%	η _{es}
Max. fan efficiency	54.4	54.4	%	η _e
Max. flowrate	4610	4610	m ³ /h	q _{v, max}
Max. stat pressure	885	885	Pa	p _{sf, max}
Max. medium temperature	50	50	°C	T _{m, max}
Max. environment temperature	50	50	°C	T _{amb, max}
Min. environment temperature	-25	-25	°C	T _{amb, min}

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 _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwr _{sup} motor
Rated voltage	230		V	U _{rated, f1}
Rated current	2.2		A	I _{rated, f1}
Shaft power	500		W	P _{out, f1}
Speed	1500		1/min	n _{f1}
Min. temperature	-25		°C	T _{motor, min}
UL-Certification motor		UL recognized		ULcert



to the product detail page