

KVR 04020EC-32

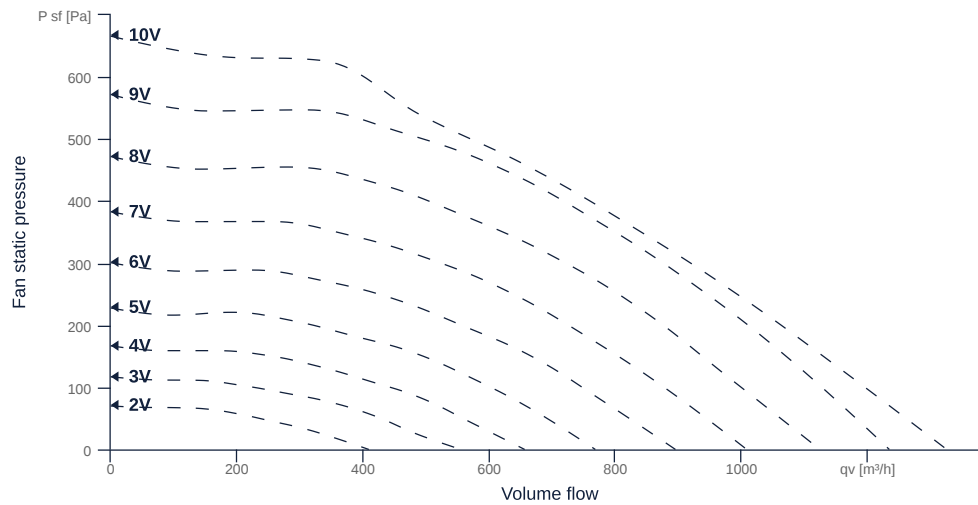
158350

- Backward curved centrifugal impeller
- Removable fan unit
- Housing made of galvanized sheet steel
- Robust single phase AC 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	400x200		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	9.1	kg	m
Nominal air flow rate, nominal point m ³ /h	536.4	m ³ /h	q _{v,nom}
Nominal external pressure, static	294.4	Pa	p _{s,nom}
Fan type	Radial		Fan _{type}
Category / Installation situation	B		cat

ERP DATA (LOT 6)

Name	Value	Unit	Formula symbol
Nominal air flow rate, nominal point m ³ /s	0.15	m ³ /s	q _{v,nom}
Actual electrical input power, nominal point	0.09	kW	P _{e,nom}
Face velocity, nominal point	1.9	m/s	v _{nom}
Nominal external pressure, static	294.4	Pa	p _{s,nom}
supply air fan static efficiency, nominal point	55	%	η _{es,SUP}
Highest external air leakage rate	0.27	%	
Enclosure sound level, nominal point	74	dB(A)	L _{WA2}
Rating	Product is compliant 2018		



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MAXIMAL DATA

Name	Value		Unit	Formula symbol
	50 Hz	60 Hz		
Max. power consumption (device)	169	169	W	$P_{ed, max}$
Max. operating current (device)	1.41	1.41	A	$I_{ed, max}$
Max. speed	2795	2795	1/min	n_{max}
Max. stat. efficiency	48.4	48.4	%	η_{es}
Max. fan efficiency	48.7	48.7	%	η_e
Max. flowrate	1325	1325	m ³ /h	$q_{v, max}$
Max. stat pressure	670	670	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	-30	-30	°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		IP54		IP _{motor}
Is pole-changeable		No		polexch
Type of power supply		AC 1~		pwrsupmotor
Rated voltage	230		V	$U_{rated, f1}$
Rated current	1.2		A	$I_{rated, f1}$
Shaft power	165		W	$P_{out, f1}$
Speed	2600		1/min	n_{f1}
Efficiency	46.9		%	$\eta_{m, f1}$
Min. temperature	-30		°C	$T_{motor, min}$
Cos Phi	0.600000	0.000000		$\cos \varphi$
UL-Certification motor		None		ULcert



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