

# VKM 100 Q



Inline centrifugal fans in steel casing

- Maximum airflow: 233
- Sound pressure level LpA at 3 m: 38
- Motor type: AC
- Impeller type: Centrifugal backward curved blades
- Casing material: Coated steel
- Installation in any position

	Unit of measurement	VKM 100 Q
Connected air duct size	mm	100
Speed	-	1
Minimum supply voltage	V	220
Maximum supply voltage	V	240
Power supply frequency	Hz	50/60
Rated power	W	45
Unit current	A	0.24
Maximum airflow	m <sup>3</sup> /h	233
Sound pressure level LpA at 3 m	dB(A)	38
Weight	kg	2.1
Transported air temperature (max)	°C	45
Transported air temperature (min)	°C	-25
Ingress protection rating	-	IPX4
Ingress protection rating of the drive	-	IP44
ErP compliance	-	2016, 2018
Cold - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	50.5
SEC Class Cold	-	A+
Average - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	23.4
SEC Class Average	-	C
Warm - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	7.9
SEC Class Warm	-	F

Unit category	-	RVU
Type of ventilation unit	-	Unidirectional
Type of drive installed	-	Variable speed
Type of heat recovery system	-	None
Maximum flow rate	m <sup>3</sup> /h	170
Electric power input	W	45
Reference flow rate	m <sup>3</sup> /s	0.033
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m <sup>3</sup> /h)	0.37
Control typology	-	Local demand control
Maximum external leakage rates	%	2.7
Cold - The annual electricity consumption (AEC)	kWh/a	196
Average - The annual electricity consumption (AEC)	kWh/a	196
Warm - Jährlicher Stromverbrauch (JSV)	kWh/a	196
Cold - The annual heating saved (AHS)	kWh/a	5536
The annual heating saved (AHS) Average	kWh/a	2830
The annual heating saved (AHS) Warm	kWh/a	1280
Declared typology	-	RVU UVU
Sound power level	dB(A)	56

## Dimensions

ØD	ØD1	B	B1	L	L1	L2	L3
98	255	310	270	205	20	25	30

