IQAir[®] Atem[®] X

Technical Specifications and Features Overview



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	Fan speed	1	2	3	4	5	6	7	8
Air delivery rate ¹ Filter class	m³/h based on EN 1822	100 H13	150 H13	200 E12	300 E12	400 E12	500 E12	650 E12	750 E11
iound pressure ²	dB(A) @ 1 m	15	18	24	33	37	43	48	54
Power consumption	Watt	6	7	9	12	21	34	57	86
LEAN AIR DELIVERY RATE			1	1	1		1	1	1
CADR - GB/T 18801-2015	particulate matter	> 800 m ³ /h							
FILTRATION EFFICIENCY	<i>,</i>								
Contaminant	Туре	Eliminatio	n Rate	Time		Test Repo	ort	Test Stan	dard
nfluenza A virus (H1N1)	virus	> 99.90 %		10 minutes ³		ASCR092516		EPA/600/R-10/127	
Influenza A virus (H1N1) Human coronavirus (HCoV-229E)	virus virus	> 99.99 % > 99.99 %		60 minutes		2021FM18	924KUTD	T/SAEPI 00	JS-2020
Human enterovirus 71 (EV71)	virus	> 99.99 %		60 minutes					
Escherichia coli (E. coli)	bacteria (gram-negative)	> 99.94 %		60 minute	54	2021FM18	3924R02D	GB 21551	3.3-2010
Staphylococcus albus (S. epidermidis)	bacteria (gram-positive)	> 99.92 %		60 minute	54				
Aspergillus niger (A. niger)	fungi (mold spore)	> 99.96 %		60 minute	54	2021FM18	3924R02D	GB 21551	3.3-2010
Pollen Allergen (Bet v1)	Bet v1	> 97.59 % ⁵		60 minute	4	2022FM07	160R01D	T/GIEHA 0	09-2018
Ultrafine Particles (0.09 - 0.10 µm)	particulate matter	> 92.05 %		10 minute	54	WCk-22-50)287	GBT 18801	1-2022
	particulatermater	> 99.47 %		70 minute:		WCK-22-50207 GBT 10001-2022			
FILTER SPECIFICATIONS									
QAir® Impaktor	Technology	triple Impa	ktor with a to	tal of 195 coll	ection blades				
Art. No. 275 12 00 03	Purpose					ktend yield of	HEPA filter		
	Surface	ABS, washa							
	Filtration principle	inertial imp	paction *						
Atem X HyperHEPA® HF Filter	Technology triple HyperHEPA® HF filter (non-woven, mini-pleated, multi-layer synthetic microfiber m						crofiber media	a)	
Art. No. 275 20 10 05	Purpose control of particulate matter incl. dust, soot, allergens, pollen, mold spores, bacteria and viruses								
	Surface approx. 2.8 m ²								
	Filtration principle diffusion, interception, inertial impaction and electrostatic attraction * * The Atem X deploys mechanical filtration processes only and does not use potentially harmful technologies, such as UV radiation, ionisation or ozonation.								
	* The Atem X deploys mechanic							ionisation or or	zonation
KEY FEATURES	* The Atem X deploys mechanic							n, ionisation or oz	zonation.
KEY FEATURES		al filtration proc	esses only and d	loes not use pote	entially harmful t	echnologies, suo	h as UV radiation		zonation.
KEY FEATURES High-performance fan motor BioniCore™ architecture	Centrifugal forward curved	al filtration proc	esses only and d	loes not use pote apacity, yet er	entially harmful t hergy efficien	echnologies, suc	h as UV radiation		zonation.
High-performance fan motor		al filtration procession of the second se	esses only and d r offers high-c an air with les	loes not use pote apacity, yet er ss noise and le	entially harmful t hergy efficien	echnologies, suc	h as UV radiation		zonation.
High-performance fan motor BioniCore™architecture	Centrifugal forward curved Unique orbital design deli	al filtration proc d EC fan motor vers more cle outlet for opt	offers high-c an air with les	apacity, yet er ss noise and le circulation	entially harmful t hergy efficien ss energy con	t performance sumption	th as UV radiation with 8 fan spe		zonation.
High-performance fan motor BioniCore™ architecture Flexible Air Rotation (FAR)	Centrifugal forward curved Unique orbital design deli Allows 320° rotation of air	al filtration proce d EC fan motor vers more cle outlet for opt d airflow guic	esses only and d r offers high-c an air with les imal clean air le fins and "fai	apacity, yet en so noise and le circulation n-in-centre" de	entially harmful t hergy efficien ss energy con esign effectiv	t performance sumption	th as UV radiation with 8 fan spe airflow noise		zonation.
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