



FF15A115UF

standard with fan



Technical data		
APPROVALS		
Approvals	CE; cURus; cULus; cCSAus	
PERFORMANCE		
Max Airflow	230/270	m³/h
	135/159	CFM
Airflow with Exhaust Filter	159/190	m³/h
	94/112	CFM
Max Static Pressure	115/155	Pa
Max Static Fressure	0.46/0.62	in H2O
ELECTRICAL DATA		
Rated Voltage	115	V a.c.
Rated Current	0.28/0.26	A
Rated Power	31/31	W
Operating Voltage	103-126	V a.c.
Frequency	50/60	Hz
Appliance Class	I	
Motor Protection	Thermally Protected	
MECHANICAL DATA		
Mounting Wall Thickness	1.3-3.7	mm
Woulding Wall Hilloniess	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M15FPF-EU3	





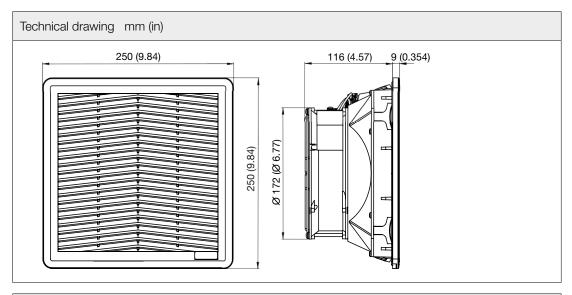
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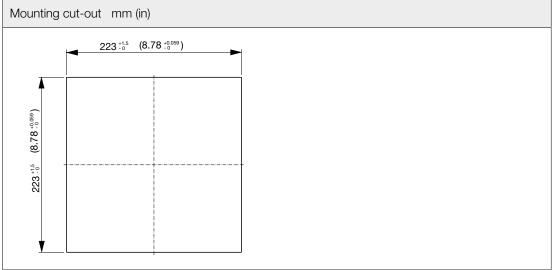
Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Direct	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	40000	h at 40 °C
	40000	h at 104 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	50/55	dB(A)
Filter Class	ISO coarse 55%	ISO 16890
Filter Class	G3	EN 779
Filter Material	thermo-linked progressive structure synthetic fibre	
ENVIRONMENTAL AND THERMAL DATA		
IP Protection Degree	IP54	
Operating Tomperature	-30÷55	°C
Operating Temperature	-22÷131	°F
Ctorage Temperature	-40÷70	°C
Storage Temperature	-40÷158	°F
UL DATA		
UL File Number Recognized Component	E237844	
UL File Number Listed	E500932	

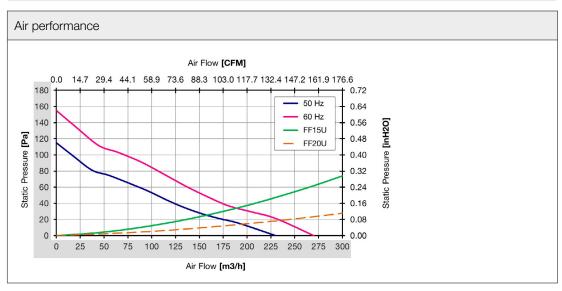




FF15A115UF











FF15A115UFR

standard with fan



Technical data		
APPROVALS		
Approvals	CE; cURus; cULus; cCSAus	
PERFORMANCE		
Max Airflow	240/285	m³/h
IVICA AII IIOW	141/168	CFM
Airflow with Exhaust Filter	160/195	m³/h
	94/115	CFM
	164/210	Pa
Max Static Pressure	0.66/0.84	in H2O
ELECTRICAL DATA		
Rated Voltage	115	V a.c.
Rated Current	0.28/0.26	А
Rated Power	31/31	W
Operating Voltage	103-126	V a.c.
Frequency	50/60	Hz
Appliance Class	I	
Motor Protection	Thermally Protected	
MECHANICAL DATA		
Mounting Wall Thickness	1.3-3.7	mm
Woulding wan Thickness	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M15FPF-EU3	





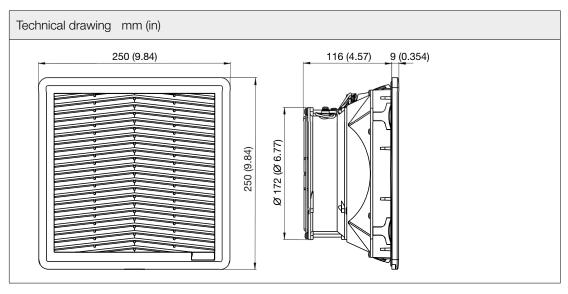
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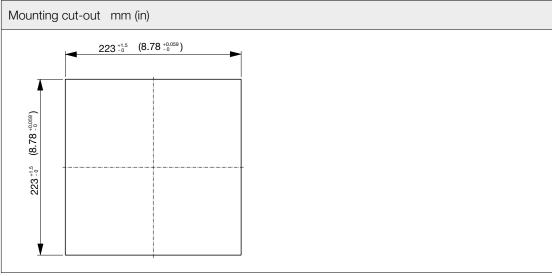
Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Reverse	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	80000	h at 25 °C
	80000	h at 77 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	50/55	dB(A)
Filter Class	ISO coarse 55%	ISO 16890
Filter Class	G3	EN 779
Filter Material	thermo-linked progressive structure synthetic fibre	
ENVIRONMENTAL AND THERMAL DATA		
IP Protection Degree	IP54	
Operating Temperature	-30÷55	°C
Operating Temperature	-22÷131	°F
Storago Tomporaturo	-40÷70	°C
Storage Temperature	-40÷158	°F
UL DATA		
UL File Number Recognized Component	E237844	
UL File Number Listed	E500932	
UL Environmental Type Rating	Type 12	
UL Ambient Temperature	55	°C

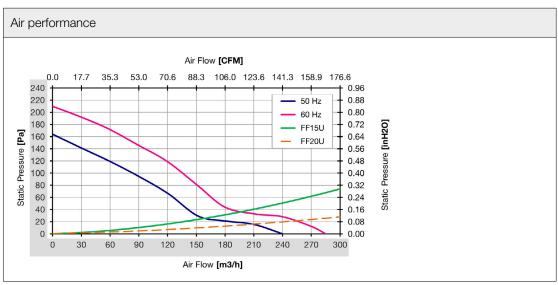




FF15A115UFR











FF15A115UN2

standard with fan



Technical data		
APPROVALS		
Approvals	CE; cURus; cULus; cCSAus	
PERFORMANCE		
Max Airflow	226/264	m³/h
Wax All How	133/155	CFM
Airflow with Exhaust Filter	165/204	m³/h
	97/120	CFM
	144/184	Pa
Max Static Pressure	0.58/0.74	in H2O
ELECTRICAL DATA		
Rated Voltage	115	V a.c.
Rated Current	0.36/0.361	А
Rated Power	39/41	W
Operating Voltage	103-126	V a.c.
Frequency	50/60	Hz
Appliance Class	I	
Motor Protection	Thermally Protected	
MECHANICAL DATA		
Mounting Wall Thickness	1.3-3.7	mm
Woulding Wall Hilckness	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M15FPF-EU3	





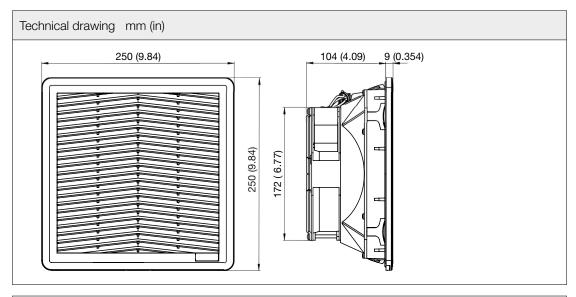
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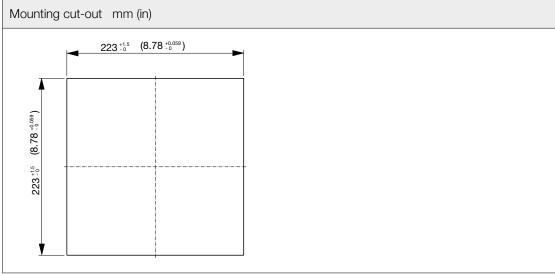
Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Direct	
Electrical Connection	Screwless Terminal Block	
Life Evacatorey	100000	h at 25 °C
Life Expectancy	100000	h at 77 °F
Wires Section	0.75-2.5	mm²
Wires Section	20-14	AWG
Fan Noise	52/56	dB(A)
Filter Class	G3	EN 779
Filter Class	ISO coarse 55%	ISO 16890
Filter Material	thermo-linked progressive structure synthetic fibre	
ENVIRONMENTAL AND THERMAL DATA		
IP Protection Degree	IP54	
Operating Temperature	-10÷55	°C
Operating remperature	14÷131	°F
Ctavaga Tamparatura	-40÷70	°C
Storage Temperature	-40÷158	°F
UL DATA		
UL File Number Recognized Component	E237844	
UL File Number Listed	E500932	
OL FIIE NUMBER LISTED		
UL Environmental Type Rating	Type 12	
	Type 12 55	°C

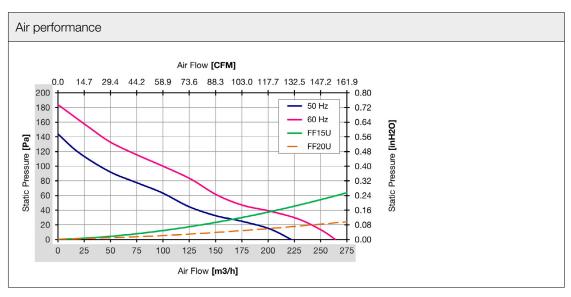




FF15A115UN2











FF15A230UF

standard with fan



Technical data		
APPROVALS		
Approvals	CE; cURus; cULus; cCSAus	
PERFORMANCE		
Max Airflow	230/270	m³/h
	135/159	CFM
Airflow with Exhaust Filter	159/190	m³/h
	94/112	CFM
Max Static Pressure	115/155	Pa
Wax Static Flessure	0.46/0.62	in H2O
ELECTRICAL DATA		
Rated Voltage	230	V a.c.
Rated Current	0.14/0.16	А
Rated Power	32/36	W
Operating Voltage	207-253	V a.c.
Frequency	50/60	Hz
Appliance Class	1	
Motor Protection	Thermally Protected	
MECHANICAL DATA		
Mounting Wall Thickness	1.3-3.7	mm
woulding wall fillentiess	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M15FPF-EU3	





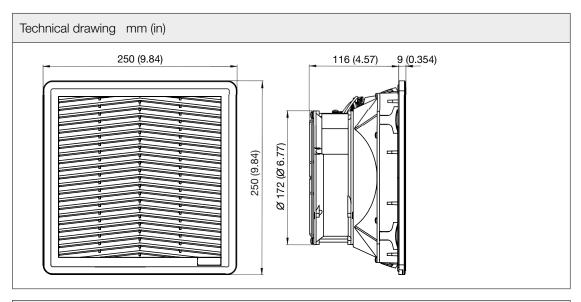
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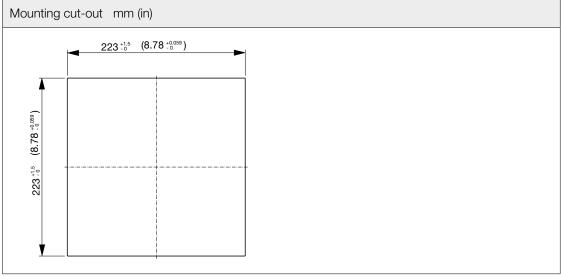
Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Direct	
Electrical Connection	Screwless Terminal Block	
Life Evpertoney	40000	h at 40 °C
Life Expectancy	40000	h at 104 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	50/55	dB(A)
Filter Class	ISO coarse 55%	ISO 16890
Filter Class	G3	EN 779
Filter Material	thermo-linked progressive structure synthetic fibre	
ENVIRONMENTAL AND THERMAL DATA		
IP Protection Degree	IP54	
Operating Temperature	-30÷55	°C
Operating remperature	-22÷131	°F
	-40÷70	°C
Storage Temperature		
Storage Temperature	-40÷158	°F
Storage Temperature UL DATA	-40÷158	°F
· .	-40÷158 E237844	°F
UL DATA		°F
UL DATA UL File Number Recognized Component	E237844	°F
UL DATA UL File Number Recognized Component UL File Number Listed	E237844 E500932	°F

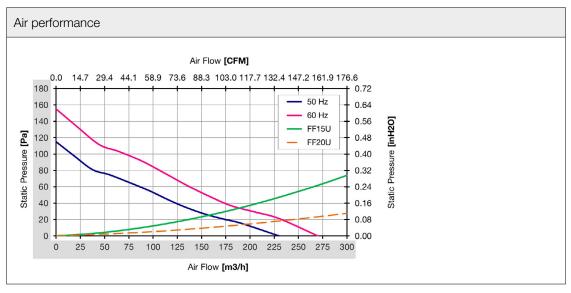




FF15A230UF











FF15A230UFR

standard with fan



Technical data		
APPROVALS		
Approvals	CE; cURus; cULus; cCSAus	
PERFORMANCE		
Max Airflow	240/285	m³/h
IVIAA AII IIOW	141/168	CFM
Airflow with Exhaust Filter	160/195	m³/h
	94/115	CFM
Max Static Pressure	164/210	Pa
Max Static Fressure	0.66/0.84	in H2O
ELECTRICAL DATA		
Rated Voltage	230	V a.c.
Rated Current	0.14/0.16	А
Rated Power	32/36	W
Operating Voltage	207-253	V a.c.
Frequency	50/60	Hz
Appliance Class	I	
Motor Protection	Thermally Protected	
MECHANICAL DATA		
Mounting Wall Thickness	1.3-3.7	mm
Woulding Wall Trickness	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M15FPF-EU3	





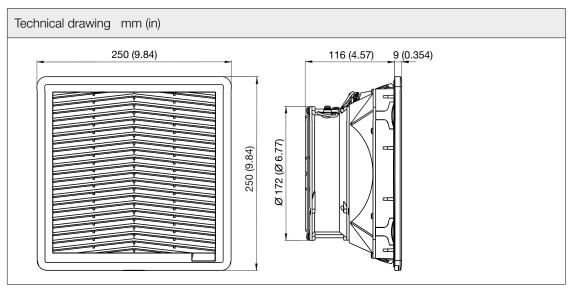
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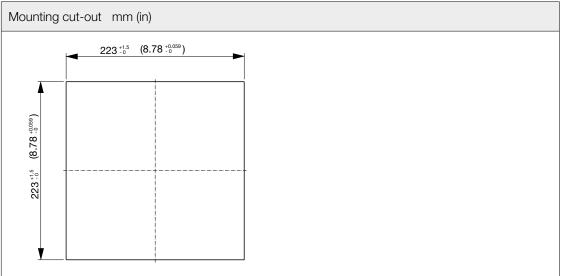
Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Reverse	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	80000	h at 25 °C
	80000	h at 77 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	50/55	dB(A)
Filter Class	ISO coarse 55%	ISO 16890
Filter Class	G3	EN 779
Filter Material	thermo-linked progressive structure synthetic fibre	
ENVIRONMENTAL AND THERMAL DATA		
IP Protection Degree	IP54	
Operating Temperature	-30÷55	°C
Operating Temperature		_
Operating remperature	-22÷131	°F
	-22÷131 -40÷70	
Storage Temperature		°F
	-40÷70	°F °C
Storage Temperature	-40÷70	°F °C
Storage Temperature UL DATA	-40÷70 -40÷158	°F °C
Storage Temperature UL DATA UL File Number Recognized Component	-40÷70 -40÷158 E237844	°F °C
Storage Temperature UL DATA UL File Number Recognized Component UL File Number Listed	-40÷70 -40÷158 E237844 E500932	°F °C

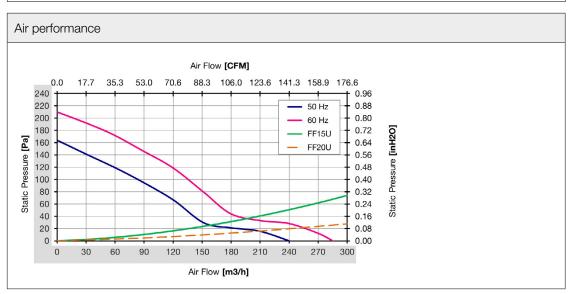




FF15A230UFR











FF15A230UNR2

standard with fan



Technical data		
APPROVALS		
Approvals	CE; cURus; cULus; cCSAus	
PERFORMANCE		
Max Airflow	238/283	m³/h
	140/167	CFM
Airflow with Exhaust Filter	185/222	m³/h
	109/131	CFM
Max Static Pressure	195/252	Pa
iviax Static Fressure	0.78/1.01	in H2O
ELECTRICAL DATA		
Rated Voltage	230	V a.c.
Rated Current	0.185/0.192	А
Rated Power	42/45	W
Operating Voltage	184-253	Va.c.
Frequency	50/60	Hz
Appliance Class	I	
Motor Protection	Thermally Protected	
MECHANICAL DATA		
Mounting Wall Thickness	1.3-3.7	mm
Woulding Wall Hilloniess	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M15FPF-EU3	





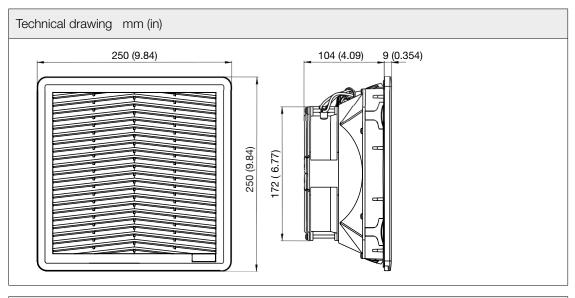
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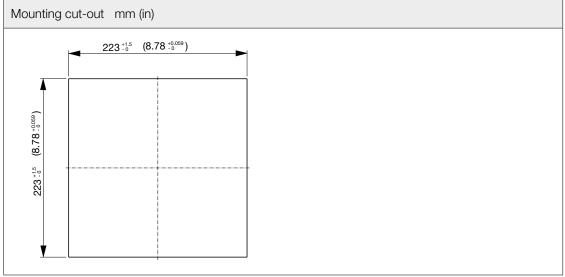
Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Reverse	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	100000	h at 25 °C
	100000	h at 68 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	52/56	dB(A)
Filter Class	ISO coarse 55%	ISO 16890
Filter Class	G3	EN 779
Filter Material	thermo-linked progressive structure synthetic fibre	
ENVIRONMENTAL AND THERMAL DATA		
IP Protection Degree	IP54	
Operating Temperature	-10÷55	°C
Operating remperature	14÷131	°F
Storage Temperature	-40÷70	°C
Storage Temperature		°F
	-40÷158	F
UL DATA	-40÷158	Г
UL DATA UL File Number Recognized Component	-40÷158 E237844	F
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UL File Number Recognized Component	E237844	F
UL File Number Recognized Component UL File Number Listed	E237844 E500932	°C

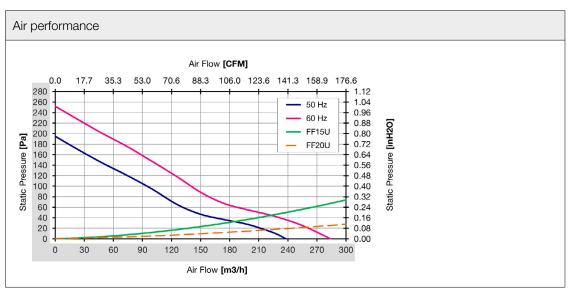




FF15A230UNR2











FF15MA230UFR

standard with fan



Technical data			
APPROVALS			
Approvals	CE		
PERFORMANCE			
Max Airflow	138/154	m³/h	
	81/91	CFM	
Airflow with Exhaust Filter	109/124	m³/h	
Alfilow with Exhaust Filter	64/73	CFM	
Max Static Pressure	80/55	Pa	
Wax Static Flessure	0.32/0.22	in H2O	
ELECTRICAL DATA			
Rated Voltage	230	V a.c.	
Rated Current	0.14/0.13	А	
Rated Power	21/20	W	
Operating Voltage	207-253	V a.c.	
Frequency	50/60	Hz	
Appliance Class	1		
Motor Protection	Impedance Protected		
MECHANICAL DATA			
Mounting Well Thickness	1.3-3.7	mm	
Mounting Wall Thickness	0.05-0.15	in	
GENERIC DATA			
Spare Parts Filter Media	M15FPF-EU3		





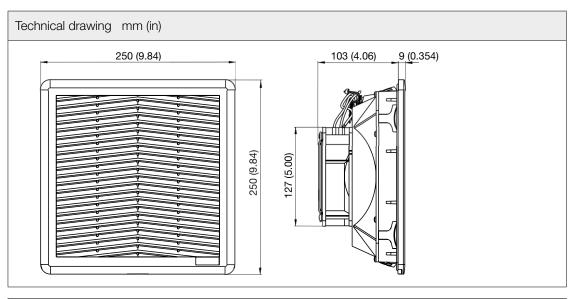
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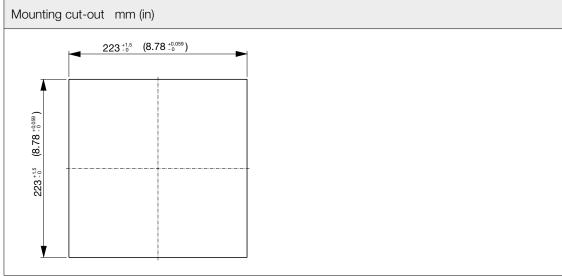
Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Reverse	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	80000	h at 25 °C
	80000	h at 77 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	46/50	dB(A)
Filter Class	ISO coarse 55%	ISO 16890
Filter Class	G3	EN 779
Filter Material	thermo-linked progressive structure synthetic fibre	
ENVIRONMENTAL AND THERMAL DATA		
IP Protection Degree	IP54	
Operating Temperature	-30÷60	°C
	-22÷140	°F
Stavaga Tamparatura	-40÷70	°C
Storage Temperature	-40÷158	°F

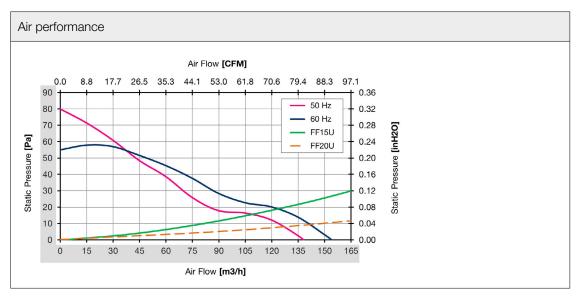




FF15MA230UFR











FF15PA230UFR

standard with fan



Technical data			
APPROVALS			
Approvals	CE; cURus; cULus; cCSAus		
PERFORMANCE			
Max Airflow	108/123	m³/h	
IVIAX AITHOW	64/72	CFM	
Airflow with Exhaust Filter	91/104	m³/h	
Alfilow with exhaust Filter	54/61	CFM	
Max Static Pressure	67/70	Pa	
Max Static Pressure	0.27/0.28	in H2O	
ELECTRICAL DATA			
Rated Voltage	230	V a.c.	
Rated Current	0.11/0.1	A	
Rated Power	18/17	W	
Operating Voltage	216-244	V a.c.	
Frequency	50/60	Hz	
Appliance Class	I		
Motor Protection	Impedance Protected		
MECHANICAL DATA			
Mounting Wall Thickness	1.3-3.7	mm	
Mounting Wall Thickness	0.05-0.15	in	
GENERIC DATA			
Spare Parts Filter Media	M15FPF-EU3		





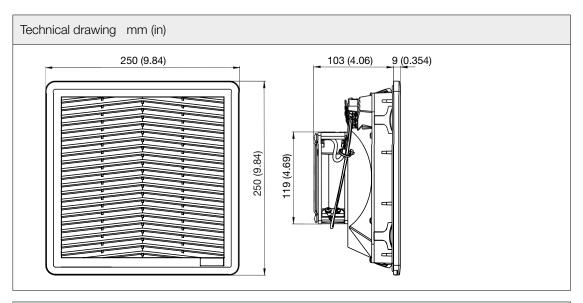
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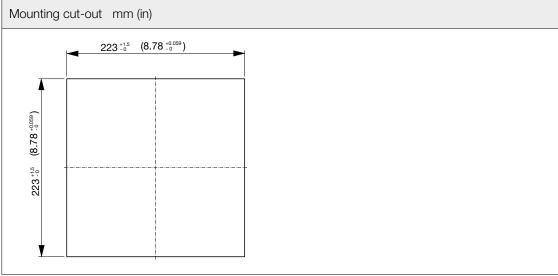
Technical data			
Casing Material	PC/ABS UL94 V-0		
RAL Number	7035		
Airflow Direction	Reverse		
Electrical Connection	Screwless Terminal Block		
	57000	h at 25 °C	
Life Expectancy	57000	h at 77 °F	
Wires Section	20-14	AWG	
Wires Section	0.75-2.5	mm²	
Fan Noise	46/49	dB(A)	
Filter Class	ISO coarse 55%	ISO 16890	
Filter Class	G3	EN 779	
Filter Material	thermo-linked progressive structure synthetic fibre		
ENVIRONMENTAL AND THERMAL DATA			
IP Protection Degree	IP54		
On austing Tames austing	-10÷55	°C	
Operating Temperature			
Operating remperature	14÷131	°F	
Storage Temperature	14÷131	°F	
	14÷131 -40÷70	°F °C	
Storage Temperature	14÷131 -40÷70	°F °C	
Storage Temperature UL DATA	14÷131 -40÷70 -40÷158	°F °C	
Storage Temperature UL DATA UL File Number Recognized Component	14÷131 -40÷70 -40÷158 E237844	°F °C	
Storage Temperature UL DATA UL File Number Recognized Component UL File Number Listed	14÷131 -40÷70 -40÷158 E237844 E500932	°F °C	

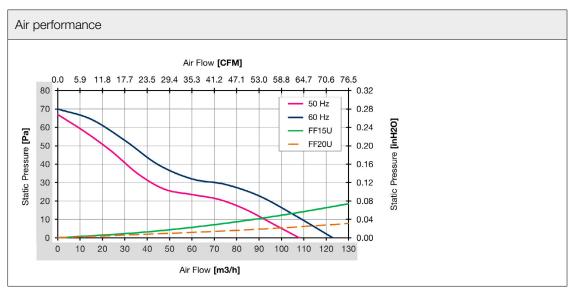




FF15PA230UFR











standard without fan

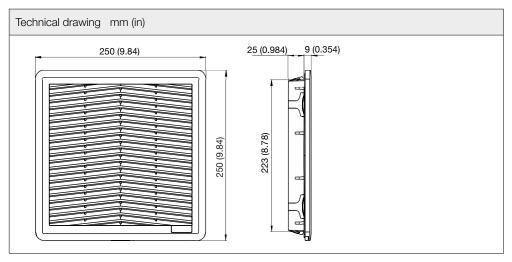


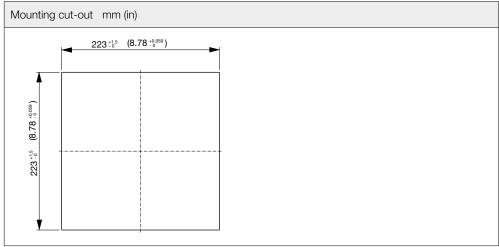
Technical data		
APPROVALS		
Approvals	CE; cURus; cULus; cCSAus	
MECHANICAL DATA		
Mounting Wall Thickness	1.3-3.7	mm
Widding Wall Trickness	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M15FPF-EU3	
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Filter Class	ISO coarse 55%	ISO 16890
Filter Class	G3	EN 779
Filter Material	thermo-linked progressive structure synthetic fibre	
ENVIRONMENTAL AND THERMAL DATA		
IP Protection Degree	IP54	
Operating Temperature	-30÷60	°C
	-22÷140	°F
Storage Temperature	-40÷70	°C
Storage Temperature	-40÷158	°F
UL DATA		
UL File Number Recognized Component	E237844	
UL File Number Listed	E500932	
UL Environmental Type Rating	Type 12	

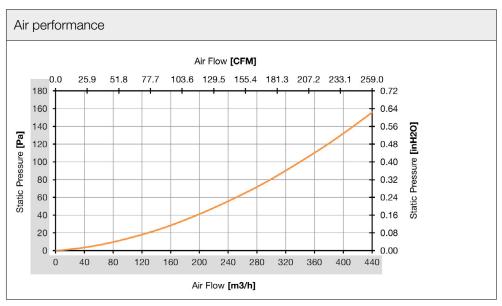
T	Technical data		
	UL Ambient Temperature	60	°C
'		140	°F















IP55 version without fan



Technical data			
APPROVALS			
Approvals	CE; cURus; cULus; cCSAus		
MECHANICAL DATA			
Mounting Wall Thickness	1.3-3.7	mm	
	0.05-0.15	in	
GENERIC DATA			
Spare Parts Filter Media	M15FPF		
Casing Material	PC/ABS UL94 V-0		
RAL Number	7035		
Filter Class	ISO coarse 75%	ISO 16890	
Filter Class	G4	EN 779	
Filter Material	thermo-linked progressive structure synthetic fibre		
ENVIRONMENTAL AND THERMAL DATA			
IP Protection Degree	IP55		
Operating Temperature	-30÷60	°C	
operating remperature	-22÷140	°F	
Storage Temperature	-40÷70	°C	
otorago romporataro	-40÷158	°F	
UL DATA		1	
UL File Number Recognized Component	E237844		
UL File Number Listed	E500932		
UL Environmental Type Rating	Type 12		
Technical data			
UL Ambient Temperature	60	°C	
OL Ambient Temperature	140	°F	



IP55 version without fan

