

FF20A230UE

standard with fan



FF series exhaust filter and filter fans represents a side-mounted cooling solution with filtered ambient air to maintain optimum ventilation inside the electrical cabinets. Screwless connection, fast tool-free mounting system with clip and maintenance friendliness are the main benefits. Available in a wide range of configurations for both indoor and outdoor use.

Technical data		
APPROVALS		
Approvals	CE	
PERFORMANCE		
Max Airflow	457/505	m³/h
	269/297	CFM
Airflow with Exhaust Filter	325/360	m³/h
	191/212	CFM
Max Static Pressure	136/148	Pa
	0.55/0.59	in H2O
ELECTRICAL DATA		
Rated Voltage	230	V a.c.
Rated Current	0.343/0.418	A
Rated Power	79/96	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
	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M20FPF-EU3	

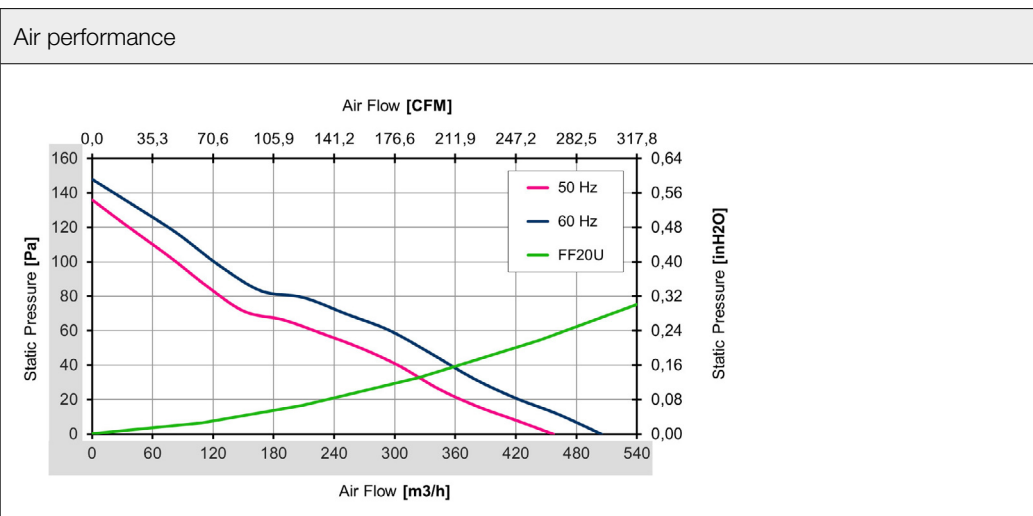
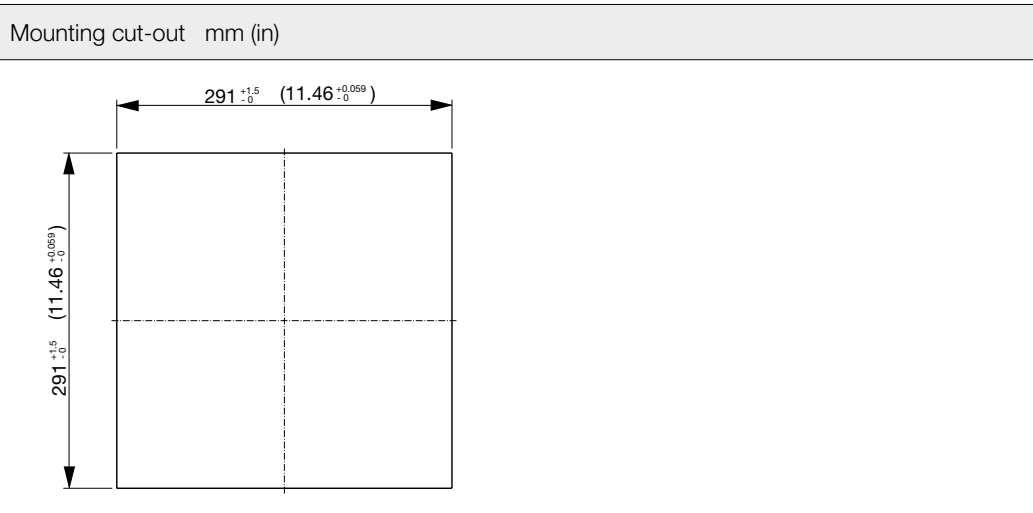
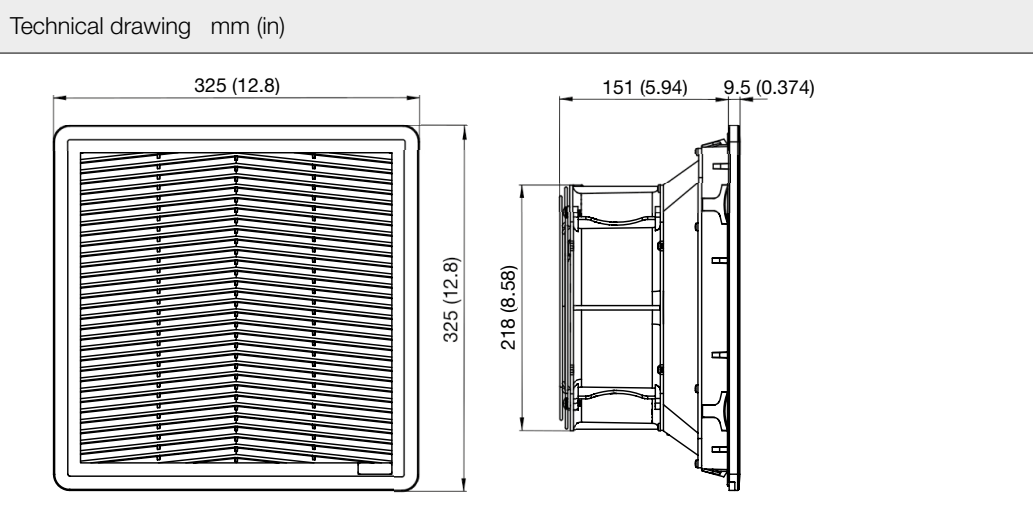
FF20A230UE

standard with fan

Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Direct	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	63000/70000	h at 40 °C
	63000/70000	h at 104 °F
Wires Section	0.75-2.5	mm²
Wires Section	20-14	AWG
Fan Noise	65/68	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	-25÷60	°C
	-13÷140	°F
Storage Temperature	-30÷70	°C
	-22÷158	°F

FF20A230UE

standard with fan



FF20GA115UE

standard with fan



FF series exhaust filter and filter fans represents a side-mounted cooling solution with filtered ambient air to maintain optimum ventilation inside the electrical cabinets. Screwless connection, fast tool-free mounting system with clip and maintenance friendliness are the main benefits. Available in a wide range of configurations for both indoor and outdoor use.

Technical data		
APPROVALS		
Approvals	CE	
PERFORMANCE		
Max Airflow	710/775	m³/h
	418/456	CFM
Airflow with Exhaust Filter	505/540	m³/h
	297/318	CFM
Max Static Pressure	190/180	Pa
	0.76/0.72	in H2O
ELECTRICAL DATA		
Rated Voltage	115	V a.c.
Rated Current	1.3/1.5	A
Rated Power	143/177	W
Operating Voltage	103.5-126.5	V a.c.
Frequency	50/60	Hz
Appliance Class	I	
Motor Protection	Thermally Protected	
MECHANICAL DATA		
Mounting Wall Thickness	1.3-3.7	mm
	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M20FPF-EU3RM	

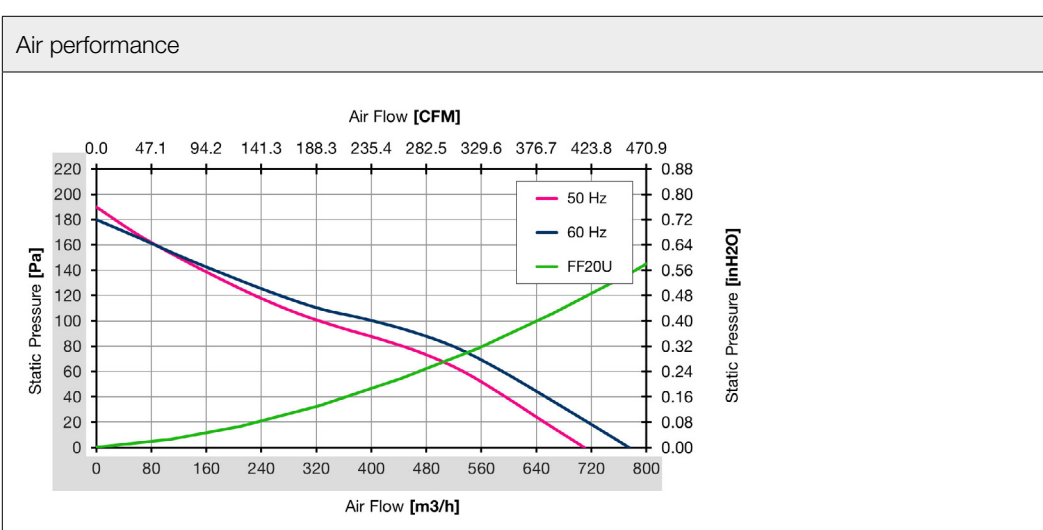
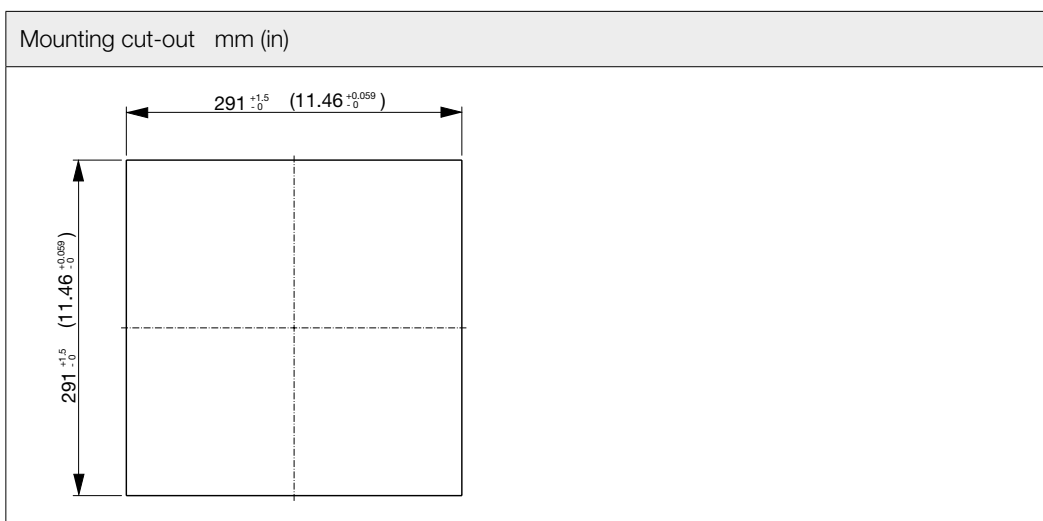
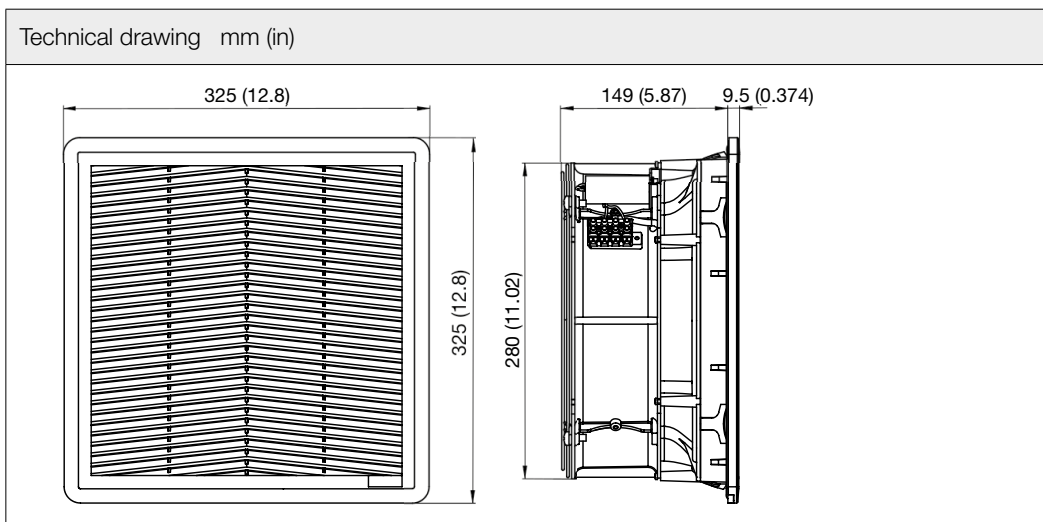
FF20GA115UE

standard with fan

Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Direct	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	53000/78000	h at 25 °C
	53000/78000	h at 77 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	74.7/78.9	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	-25÷60	°C
	-13÷140	°F
Storage Temperature	-30÷70	°C
	-22÷158	°F

FF20GA115UE

standard with fan



FF20GA115UER

standard with fan



FF series exhaust filter and filter fans represents a side-mounted cooling solution with filtered ambient air to maintain optimum ventilation inside the electrical cabinets. Screwless connection, fast tool-free mounting system with clip and maintenance friendliness are the main benefits. Available in a wide range of configurations for both indoor and outdoor use.

Technical data		
APPROVALS		
Approvals	CE	
PERFORMANCE		
Max Airflow	765/845	m³/h
	450/497	CFM
Airflow with Exhaust Filter	510/545	m³/h
	300/321	CFM
Max Static Pressure	280/260	Pa
	1.12/1.04	in H2O
ELECTRICAL DATA		
Rated Voltage	115	V a.c.
Rated Current	1.1/1.7	A
Rated Power	124/192	W
Operating Voltage	103.5-126.5	V a.c.
Frequency	50/60	Hz
Appliance Class	I	
Motor Protection	Thermally Protected	
MECHANICAL DATA		
Mounting Wall Thickness	1.3-3.7	mm
	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M20FPF-EU3RM	

FF20GA115UER

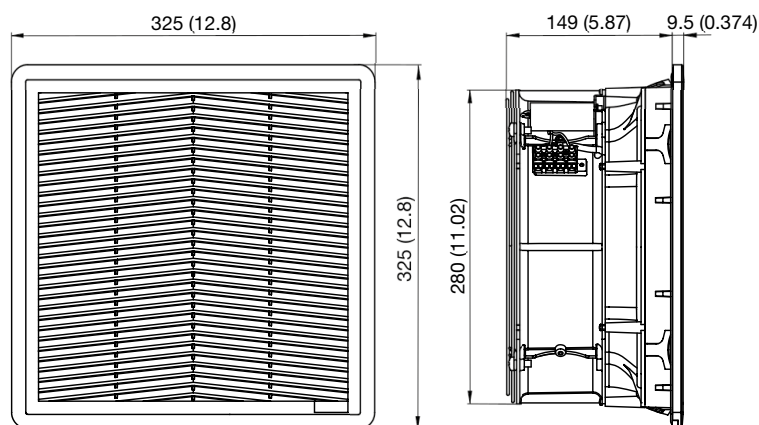
standard with fan

Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Reverse	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	53000/78000	h at 25 °C
	53000/78000	h at 77 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	74.7/78.9	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	IP55	
Operating Temperature	-30÷60	°C
	-22÷140	°F
Storage Temperature	-30÷70	°C
	-22÷158	°F

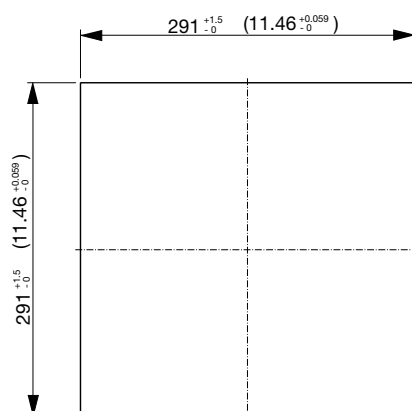
FF20GA115UER

standard with fan

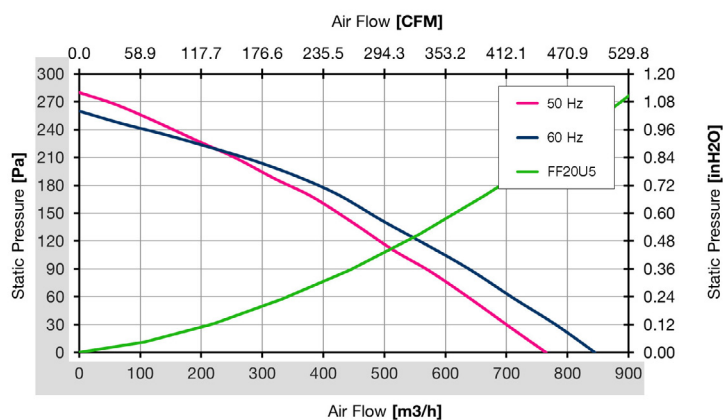
Technical drawing mm (in)



Mounting cut-out mm (in)



Air performance



FF20GA230UE

standard with fan



FF series exhaust filter and filter fans represents a side-mounted cooling solution with filtered ambient air to maintain optimum ventilation inside the electrical cabinets. Screwless connection, fast tool-free mounting system with clip and maintenance friendliness are the main benefits. Available in a wide range of configurations for both indoor and outdoor use.

Technical data		
APPROVALS		
Approvals	CE	
PERFORMANCE		
Max Airflow	705/795	m³/h
	415/468	CFM
Airflow with Exhaust Filter	510/560	m³/h
	300/330	CFM
Max Static Pressure	200/205	Pa
	0.80/0.82	in H2O
ELECTRICAL DATA		
Rated Voltage	230	V a.c.
Rated Current	0.67/0.84	A
Rated Power	155/194	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
	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M20FPF-EU3	

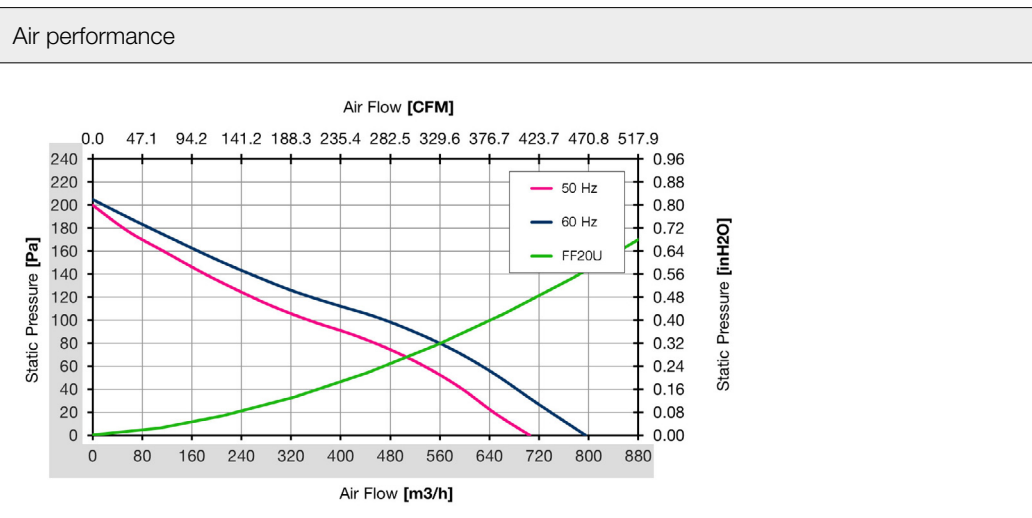
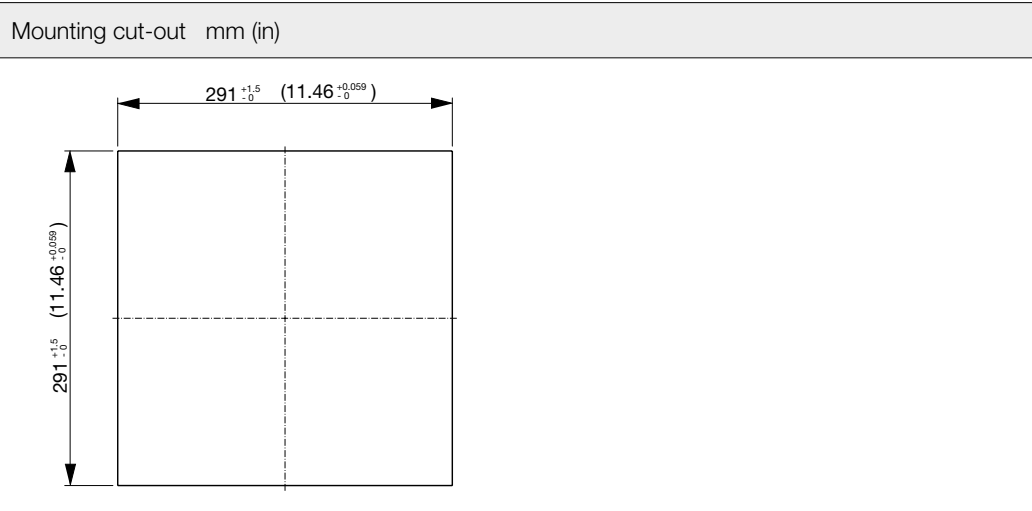
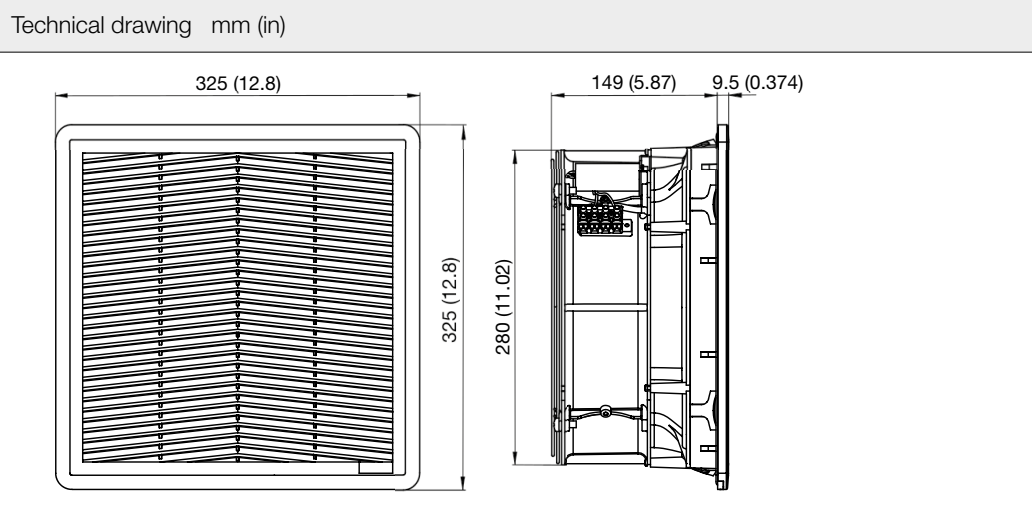
FF20GA230UE

standard with fan

Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Direct	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	57500/70000	h at 25 °C
	57500/70000	h at 77 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	72.8/75.8	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	-25÷60	°C
	-13÷140	°F
Storage Temperature	-30÷70	°C
	-22÷158	°F

FF20GA230UE

standard with fan



FF20GA230UER1

standard with fan



FF series exhaust filter and filter fans represents a side-mounted cooling solution with filtered ambient air to maintain optimum ventilation inside the electrical cabinets. Screwless connection, fast tool-free mounting system with clip and maintenance friendliness are the main benefits. Available in a wide range of configurations for both indoor and outdoor use.

Technical data		
APPROVALS		
Approvals	CE; cURus; cULus; cCSAus	
PERFORMANCE		
Max Airflow	760/850	m³/h
	447/500	CFM
Airflow with Exhaust Filter	515/570	m³/h
	303/335	CFM
Max Static Pressure	310/305	Pa
	1.24/1.22	in H2O
ELECTRICAL DATA		
Rated Voltage	230	V a.c.
Rated Current	0.53/0.69	A
Rated Power	120/157	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
	0.05-0.15	in
GENERIC DATA		
Spare Parts Filter Media	M20FPF-EU3	

FF20GA230UER1

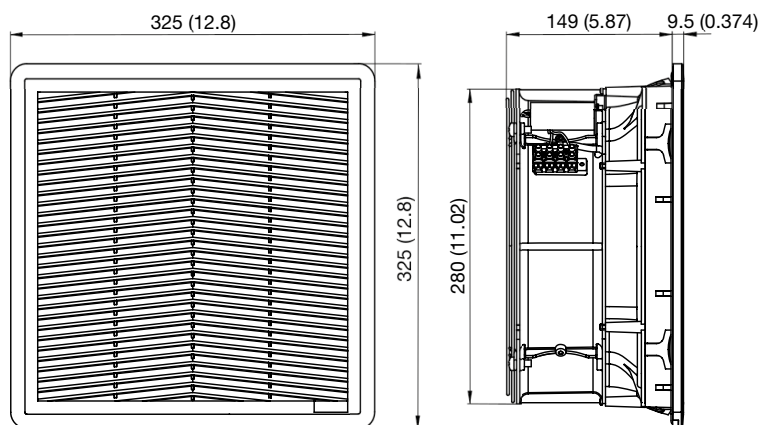
standard with fan

Technical data		
Casing Material	PC/ABS UL94 V-0	
RAL Number	7035	
Airflow Direction	Reverse	
Electrical Connection	Screwless Terminal Block	
Life Expectancy	57500/70000 57500/70000	h at 25 °C h at 77 °F
Wires Section	20-14	AWG
Wires Section	0.75-2.5	mm²
Fan Noise	67/71	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	IP55	
Operating Temperature	-25÷55	°C
	-13÷131	°F
Storage Temperature	-30÷70	°C
	-22÷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
	131	°F

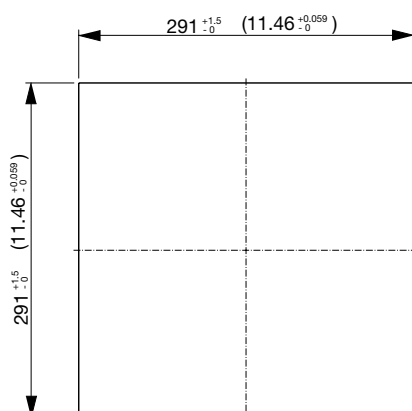
FF20GA230UER1

standard with fan

Technical drawing mm (in)



Mounting cut-out mm (in)



Air performance

