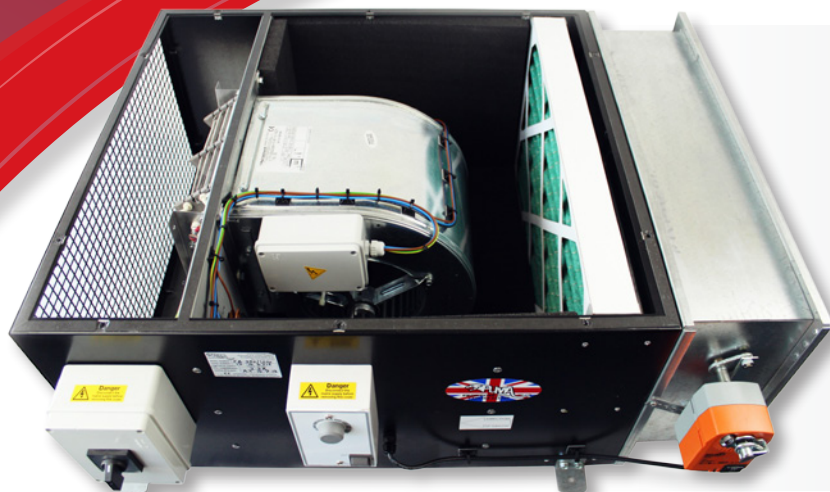


Fresh Air Only Air Handling Unit

Direct Driven AHU for General Ventilation Applications



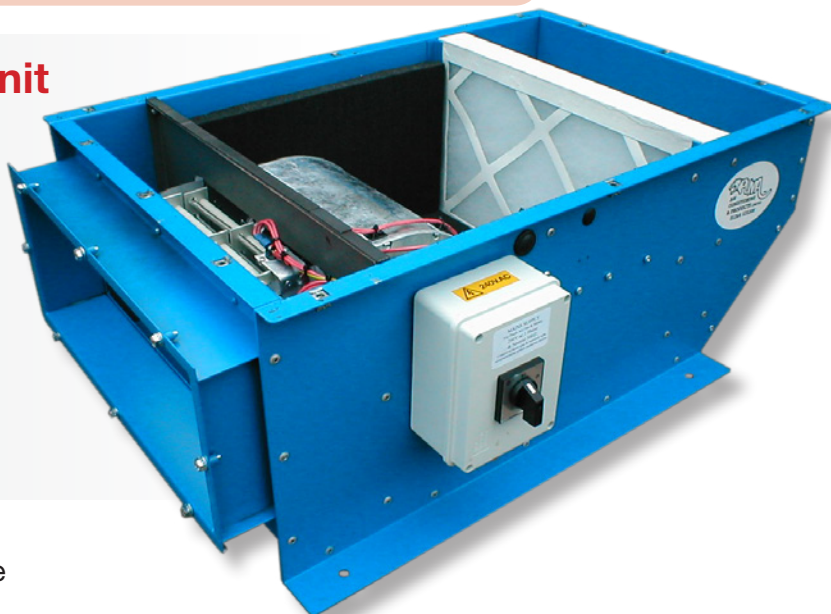
Internal Duct Mounted Unit

- Single Skin (SSK) construction as standard
- Optional 25mm Double Skin (DSK) panels
- RAL 9005 black powder coat finish
- Coarse 65-70% panel filters available
- 25mm pyrosorb thermal lining
- Top or bottom access lid
- Vertical / through-wall / ceiling mounting
- Optional duct / size connections available

Options and Accessories available on request

Weatherproof Roof Mounted Unit

- RAL 5017 mid blue powder coat finish
- Coarse 65-70% panel filters available
- 25mm pyrosorb thermal insulation
- Top access pitched lid
- Weather cowl on air intake
- Ducted both ends version available
- External flange duct connection
- Internal fire/smoke damper available (FSD)



The Puma supply range units are fitted with an ErP 2015 compliant single or three phase double inlet direct driven centrifugal fan.

Fan Controls Package include: - On/off isolator, electrical termination enclosure, fan fuse or overload and contactor, fan start relay and airflow indication switch with volt free contacts.

Heater Controls Package include: - Heater fuse/s, heater relay or contactor, element overheat thermostat, and integral thermostat/s or thyristor controller & sensor.

Ventilate your environment with



PUMA FIRE

Performance Data

MODEL NUMBER	Duty in m3/sec @ given External Static Pressure (Pa)										
	0	50	75	100	125	150	200	250	300	350	400
FA 200/200	0.09	0.08	0.08	0.07	0.07	0.06	0.05	0.01	-	-	-
FA 200/250	0.11	0.1	0.095	0.09	0.085	0.08	0.07	0.06	-	-	-
FA 200/300	0.14	0.13	0.125	0.12	0.11	0.1	0.09	0.085	0.06	-	-
FA 250/400	0.2	0.18	0.17	0.16	0.15	0.13	0.1	0.07	-	-	-
FA 250/600	0.26	0.25	0.24	0.23	0.22	0.21	0.19	0.17	-	-	-
FA 300/700	0.32	0.31	0.29	0.28	0.26	0.25	0.24	0.22	0.18	0.11	-
FA 350/850	0.4	0.39	0.37	0.33	0.3	0.23	0.1	-	-	-	-
FA 350/1000	0.48	0.43	0.4	0.38	0.31	0.24	0.1	-	-	-	-
FA 350/1200	0.65	0.58	0.57	0.55	0.53	0.47	0.41	-	-	-	-
FA 400/1300	0.61	0.61	0.6	0.6	0.59	0.58	0.56	0.49	0.39	-	-
FA 400/1800	0.88	0.86	0.84	0.83	0.81	0.8	0.75	0.68	-	-	-
FA 450/2500	1.1	1.07	1.07	0.97	0.89	0.84	0.72	0.55	-	-	-
FA 550/3600	1.72	1.6	1.55	1.5	1.43	1.35	1.15	0.89	-	-	-

Please contact us for higher pressure, higher performance, and low energy brushless DC direct driven fans with in built variable speed drive suitable for 0-10V, potentiometer and also interface for MODBUS control.

Typical Part Code:

W FA 250 / 400 - 3kW - DSK

Weatherproof

Double Skin Panel

Fresh Air

Electric Heater Size

Unit Size

Fan & Motor Size



PUMA FIRE

Over 35 years supplying the
Fire Suppression and Ventilation Industry

Electrical and Sound Data

MODEL NUMBER	Motor Running Current (Amps)	Motor Starting Current (Amps)	Motor Power (Watts)	Inductive Sound Power Levels dBW @ Octave Band Mid Frequency Hz								Breakout Noise Level dBA*	
				63	125	250	500	1K	2K	4K	8K	SSK	DSK
FA 200/200	0.3	0.75	67	32	34	46	55	56	54	51	50	40	25
FA 200/250	0.44	1.1	99	25	29	38	43	39	40	34	26	36	21
FA 200/300	0.8	2.0	175	63	57	55	54	54	47	41	32	44	29
FA 250/400	0.8	2.0	190	40	44	46	52	52	50	45	41	41	26
FA 250/600	1.2	3.0	273	68	62	61	61	59	54	47	37	48	33
FA 300/700	1.5	3.75	340	79	77	70	68	65	61	53	46	49	34
FA 350/850	1.9	4.75	184	67	69	70	69	66	62	59	54	44	29
FA 350/1000	2.3	5.75	300	71	72	73	72	70	66	62	57	48	33
FA 350/1200	3.6	9.0	420	75	72	67	63	61	60	58	45	50	35
FA 400/1300	2.6	6.5	300	81	78	73	69	67	66	64	51	55	40
FA 400/1800	4.2	10.5	550	76	74	66	64	60	57	49	41	53	38
FA 450/2500	4.6	11.5	550	80	78	70	68	64	61	53	45	61	46
FA 550/3600	4.3**	21.5**	1100	87	84	82	81	79	75	67	55	64	49

* The dBA quoted is the mean 'A' weighted sound pressure level measured at a distance of 3m. It is included for comparative purposes only and the actual sound level experienced will depend on the acoustic characteristics of the area being served. Ductwork and silencers also have a major influence on breakout noise and actual noise levels in the system.

** 380/415 V ac three phase motor

To help select heater the following formula can be used: - Duty (m³/s) x 1.2 x Temp. Difference (°C) = Heater (kW)

Electric Heater options @ 220/240 V ac 1Ph & N, 50 Hz									
Heater Capacity	1 kW	1.5 kW	2 kW	2.5 kW	3 kW	4 kW	5 kW	6 kW	7.5 kW
Running Current (Amps)	4.3	6.5	8.7	10.9	13	17.4	21.7	26	32.6

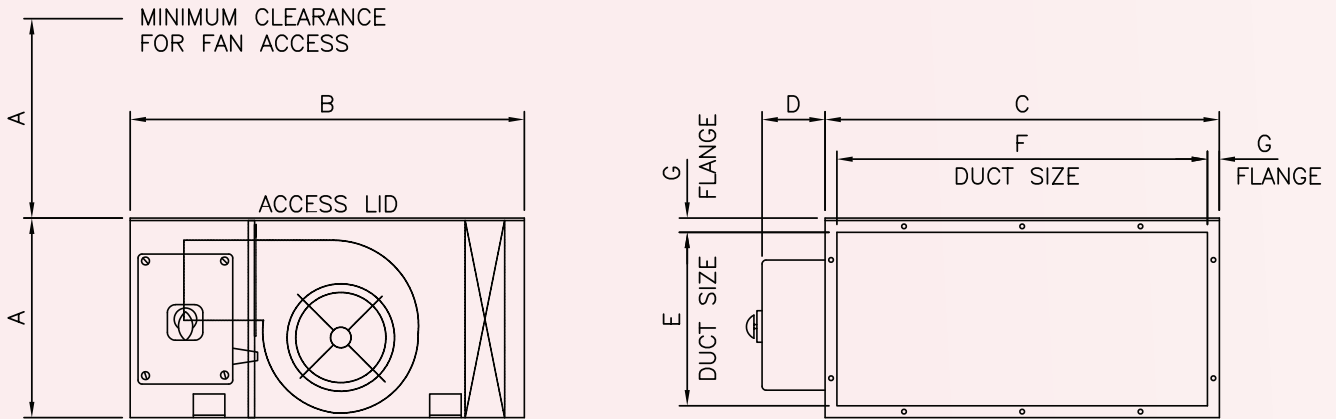
Electric Heater options @ 380/415 V ac 3Ph & N, 50 Hz															
Heater Capacity	9 kW			12 kW			15 kW			18 kW			21 kW		
Running Current (Amps)	R	S	T	R	S	T	R	S	T	R	S	T	R	S	T
	13	13	13	17.4	17.4	17.4	21.7	21.7	21.7	26	26	26	30.4	30.4	30.4
Heater Capacity	24 kW			27 kW			30 kW			36 kW					
Running Current (Amps)	R	S	T	R	S	T	R	S	T	R	S	T			
	34.8	34.8	34.8	39.1	39.1	39.1	43.5	43.5	43.5	52.2	52.2	52.2			

Options and Accessories

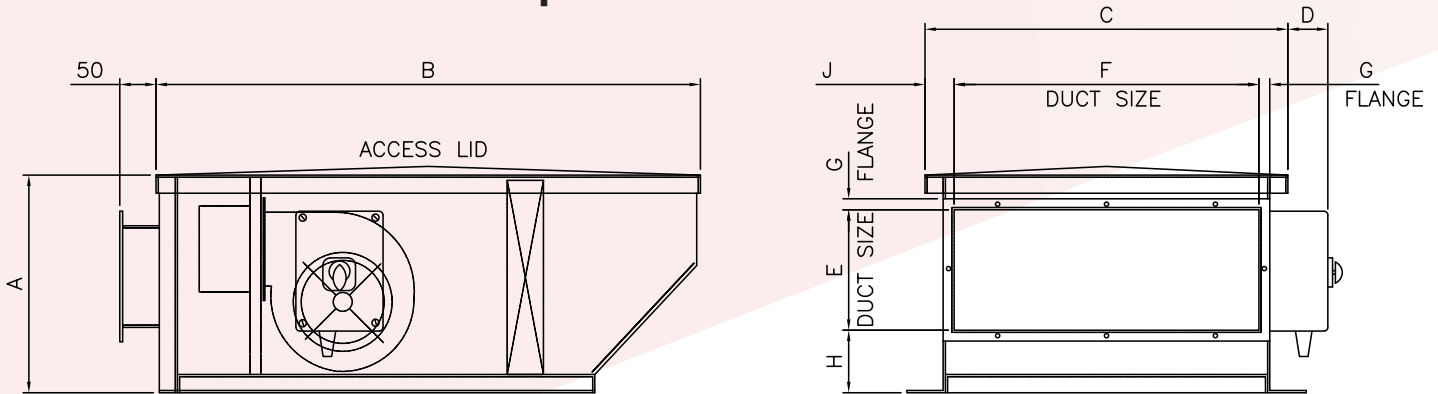
FSD	Fire Smoke Damper	SC	Speed Controller
VCD	Volume Control Damper	WMSC	Wall Mounted Speed Controller
BF	Bag Filter ePM1 70-85%	THY	Thyristor Controller & Duct Sensor
HEF	High Efficiency Panel Filter ePM10 50-70%	WM	Through-Wall Mounted
MT	Inclined manometer c/w tappings	VM	Vertically Mounted
FPS	Filter Pressure Switch c/w tappings	CM	Ceiling Mounted
SIL	Silencers	CS	Circular Spigot Connections
SSK	Single Skin	DSK	Double Skin (25mm Insulated Panels)
WL	Weather Louvre		

Dimensional Data

Internal Duct Mounted Unit



Weatherproof Roof Mounted Unit



Dimensions in Millimetres

Model Number	A		B	C		D	E	F	G	H	J	WEIGHT
	SSK	DSK		SSK	DSK							
FA 200/-	200	250	450	450	500	100	166	420	15	-	-	20 Kg
FA 250/-	250	300	500	500	550	100	220	470	15	-	-	25 Kg
FA 300/-	300	350	600	500	550	100	260	460	20	-	-	30 Kg
FA 350/-	350	400	700	600	650	175	310	560	20	-	-	40 Kg
FA 400/-	415	465	700	600	650	175	375	560	20	-	-	50 Kg
FA 450/-	450	500	700	700	750	175	410	660	20	-	-	60 Kg
FA 550/-	550	600	900	800	850	175	500	750	25	-	-	90 Kg
WFA 200/-	225	-	650	500	-	75	126	314	13	50	93	25 Kg
WFA 250/-	300	-	750	500	-	75	166	420	15	86	40	35 Kg
WFA 300/-	350	-	800	600	-	75	166	420	15	125	90	40 Kg
WFA 350/-	400	-	850	700	-	75	220	470	15	135	115	45 Kg
WFA 400/-	450	-	950	800	-	150	260	460	20	155	170	60 Kg
WFA 450/-	500	-	1000	800	-	150	310	560	20	120	120	70 Kg
WFA 550/-	600	-	1150	1000	-	150	375	560	20	195	220	100 Kg



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