CAJAS DESENFUMAGE CON MOTOR 400ºC/2h
Serie UPMD

DESCRIPCION

Gama de cajas desenfumage homologada 400°C/2 horas, con rodete de álabes hacia atrás, que consta de 5 modelos y cubre un margen de caudales desde 5.000 hasta 17.500 m³/h.

APLICACIONES

Extracción de los humos calientes en caso de incendio con el extractor instalado dentro del local (ventilador inmerso).

CARACTERISTICAS CONSTRUCTIVAS

Caja

Fabricadas con perfiles y paneles en chapa galvanizada, asi como con cantoneras en aluminio. Ejecución con doble pared con aislamiento interior. Bridas circulares a la aspiración y descarga. Posibilidad de montar la boca de descarga en cualquiera de sus laterales.
Se suministran con soportes antivibratorios.

Ventilador

Ventilador centrífugo con **rodete de álabes hacia atrás**, fabricados en chapa pintada.
Motor directamente acoplado al rodete.

Motor

Motor tipo desenfumage de 400°C/2h.
- Trifásico 380 V 50 Hz.
- 4 polos para el modelo 560.
- 6 polos para los modelos 560, 630, 710 y 800.

CARACTERISTICAS TECNICAS

Tipo	Velocidad (R.P.M.)	Potencia abs. máx. (kW)	Intensidad abs. máx. (A) a 400 V	Caudal máximo (m³/h)	Nivel de presión sonora (dB (A) a 1,5 m) Aspiración	Descarga	Radiado	Peso (kg)
MOTOR TRIFÁSICO DE 4 POLOS								
UPMD/4-560	1475	2,05	4,0	8800	71	76	54	116
MOTOR TRIFÁSICO DE 6 POLOS								
UPMD/6-560	960	0,9	2,9	5700	61	65	44	116
UPMD/6-630	975	1,5	3,5	10000	64	69	48	182
UPMD/6-710	965	2,5	5,1	14000	68	73	50	215
UPMD/6-800	975	3,9	7,1	17100	71	76	52	253

CARACTERISTICAS ACUSTICAS

Tipo		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
	Aspiración	61	73	78	80	79	75	74	71
UPMD/4-560	Descarga	62	75	81	85	85	82	76	67
	Radiado	52	65	62	60	55	49	40	33
	Aspiración	54	64	68	69	67	66	65	63
UPMD/6-560	Descarga	56	66	71	75	74	71	64	54
	Radiado	46	56	52	50	44	38	28	20
	Aspiración	57	65	72	73	71	69	68	66
UPMD/6-630	Descarga	60	70	75	78	78	75	67	58
	Radiado	50	60	56	53	48	42	31	24
	Aspiración	61	71	75	77	75	73	72	70
UPMD/6-710	Descarga	63	74	79	82	82	78	71	61
	Radiado	51	62	58	55	50	43	33	25
	Aspiración	65	75	79	80	78	77	76	74
UPMD/6-800	Descarga	67	77	82	86	85	82	74	65
	Radiado	54	64	60	58	52	46	36	29

UPMD

DIRECT-DRIVE CENTRIFUGAL SMOKE EXTRACT CABINET FAN WITH 400ºC/2h RATED MOTOR
UPMD Series

DESCRIPTION
The UPMD series of direct-drive centrifugal cabinet fans have been specifically designed and certified for operation at 400°C for a minimum period of 2 hours. The range consists of five nominal size models with airflow performances ranging from 5,000 up to 17,500 m^3/hr.

APPLICATIONS
The UPMD series are specifically designed to extract hot smoke in the case of a fire where the fan is located within the fire rated zone or environment.

CONSTRUCTION CHARACTERISTICS
Casing
All UPMD models are manufactured using a robust galvanised sheet steel profile and panel construction secured with die cast aluminium corners. All panels consist of a double wall sheet steel construction with interior acoustic insulation. All models incorporate circular ductwork connection flanges. In addition, due to the flexible design, the fan discharge connection panel can be moved to one of four outlet positions to facilitate installation.
All models are supplied with anti-vibration mountings as standard.

Impeller
All UPMD models incorporate backward curved centrifugal impellers manufactured in high grade sheet steel and coated with an anti-corrosive paint finish.

Motor
All motors are rated for smoke extract applications at 400°C / 2hrs. The following standard specifications apply:
Three Phase, 380V 50Hz.
Model 560 available with 4 and 6 pole speed motor. Models 630, 710 and 800 are available with 6 pole speed motors.

TECHNICAL CHARACTERISTICS

Model Type	Speed (R.P.M.)	Max. Abs. Power (kW)	Max. Abs. Current (A) at 400 V	Max. Airflow (m^3/h)	Sound Pressure Level (dB (A) a 1,5 m) Inlet	Outlet	Radiated	Weight (kg)
THREE PHASE - 4 POLE MOTORS								
UPMD/4-560	1475	2,05	4,0	8800	71	76	54	116
THREE PHASE - 6 POLE MOTORS								
UPMD/6-560	960	0,9	2,9	5700	61	65	44	116
UPMD/6-630	975	1,5	3,5	10000	64	69	48	182
UPMD/6-710	965	2,5	5,1	14000	68	73	50	215
UPMD/6-800	975	3,9	7,1	17100	71	76	52	253

ACOUSTIC CHARACTERISTICS

Model Type		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
UPMD/4-560	Inlet	61	73	78	80	79	75	74	71
	Outlet	62	75	81	85	85	82	76	67
	Radiated	52	65	62	60	55	49	40	33
UPMD/6-560	Inlet	54	64	68	69	67	66	65	63
	Outlet	56	66	71	75	74	71	64	54
	Radiated	46	56	52	50	44	38	28	20
UPMD/6-630	Inlet	57	65	72	73	71	69	68	66
	Outlet	60	70	75	78	78	75	67	58
	Radiated	50	60	56	53	48	42	31	24
UPMD/6-710	Inlet	61	71	75	77	75	73	72	70
	Outlet	63	74	79	82	82	78	71	61
	Radiated	51	62	58	55	50	43	33	25
UPMD/6-800	Inlet	65	75	79	80	78	77	76	74
	Outlet	67	77	82	86	85	82	74	65
	Radiated	54	64	60	58	52	46	36	29

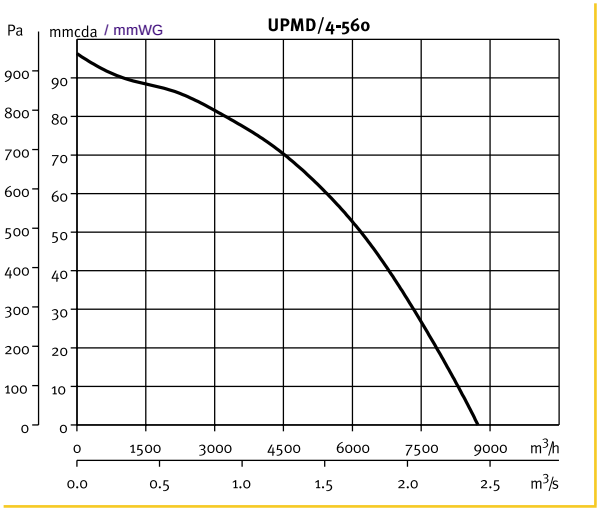
CHAYSOL

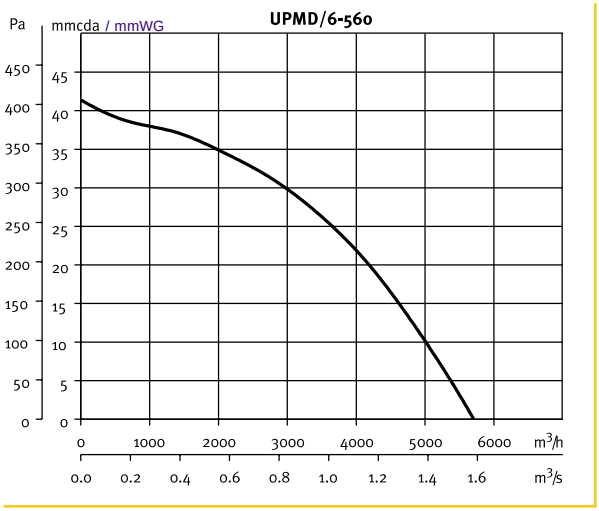
CURVAS CARACTERISTICAS

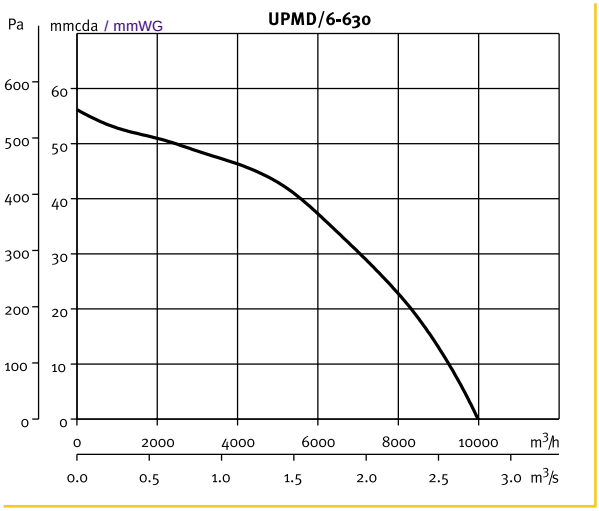
- Q = Caudal en m³/h y m³/s
- P = Presión estática en mmcda y Pa
- Aire seco normal a 20°C y 760 mmHg
- Ensayos de acuerdo con: BS 848 Part 1 y 2
  UNE 100-212-89
  AMCA 210-85
  ASHRAE 51-1985

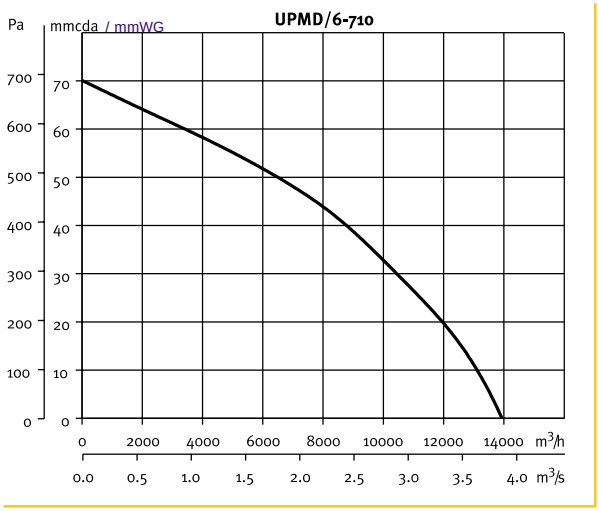
PERFORMANCE CHARACTERISTICS

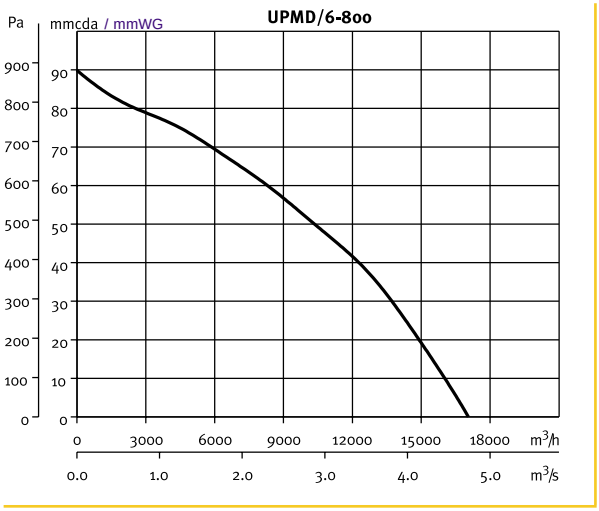
- Q = Air Volume in m³/h and m³/s
- P = Static Pressure in Pa and mmWG
- Air Density at 20°C and 760 mmHg
- Air flow data in accordance with the following standards:
  BS 848, Part 1 & 2
  UNE 100-212-89
  AMCA 210-85
  ASHRAE 51-1985

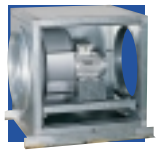




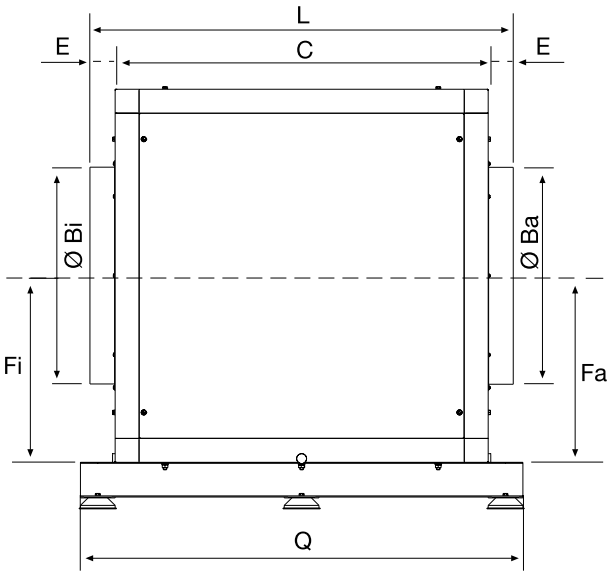


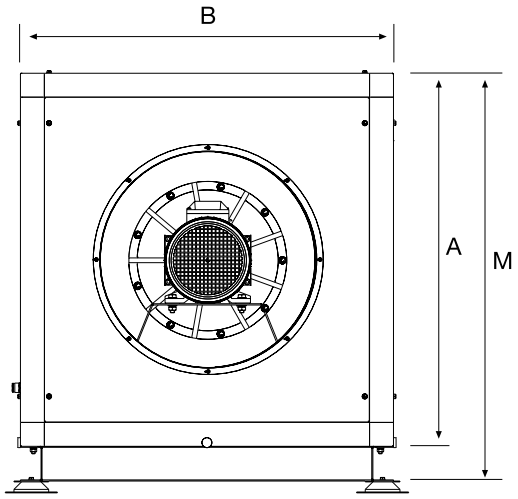






DIMENSIONES (mm) / DIMENSIONS (mm)





Tipo / Model Type	A	B	C	E	L	M	Q	ø Bi	ø Ba	Fi	Fa
560	860	860	860	55	970	940	1020	500	500	430	430
630	920	920	920	55	1030	1000	1080	630	630	460	460
710	980	980	980	55	1090	1060	1140	630	630	490	490
800	1037	1037	1037	55	1147	1117	1197	710	710	518,5	518,5

UPMD

CHAYSOL