



**L.C.I.
HVAC**

RECUPERADORES ESTATICOS
MOD. ARR EC



- Descripción general: Intercambiador de flujos cruzados

Las unidades de recuperación de calor son adecuadas para aplicaciones residenciales y comerciales , ofrecen un verdadero ahorro en plantas de ventilación forzada, mediante el uso de un intercambiador de flujo cruzados fabricado en aluminio. Son capaces de transferir más del 70% de calor que de otro modo se perdería con la expulsión directa del aire. Estas unidades podrían estar integradas con la calefacción tradicional y los sistemas de refrigeración, pudiendo operar tanto en verano como invierno. La serie consta de 11 modelos con un caudal de aire de 500 a 8000 m³/h, especialmente adecuadas para instalación en falso techo y que pueden ser canalizadas adecuadamente permitiendo la aspiración y retorno directos a la habitación.

- Envoltente de estructura formada por perfiles cerrados de aluminio extrusionado con esquinas de poliamida que le confieren gran resistencia y una elevada estanquidad. Los paneles, son de tipo sandwich con aislamiento lana de roca densidad 40 Kg/m³ CLASE M1 espesor medio 25 mm. Bandeja de recogidos de condensados en acero Inoxidable. Recuperadores de placas según rendimientos según RITE.

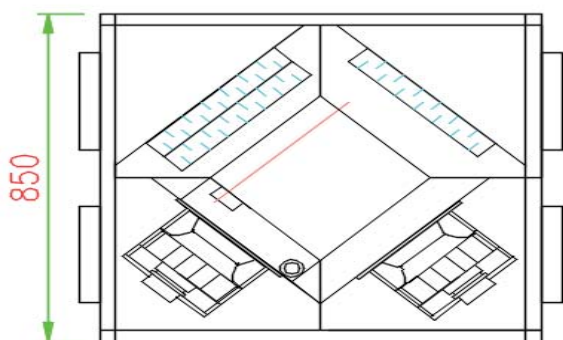
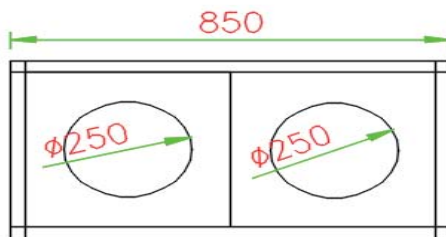
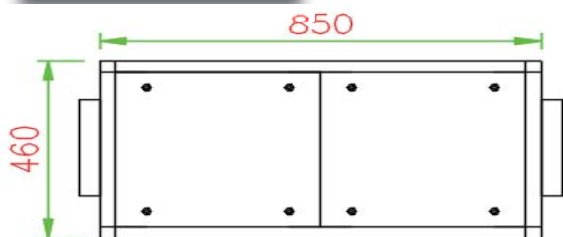
- Motores electronicos brushless con tecnologia EC para un bajo consumo eléctrico mayor eficiencia y mas ecológico
- Intercambiador de alta eficiencia (>67%) certificado por Eurovent
- By-pass T/N integrado de serie
- Control basico de serie (opcional controles avanzados)
- Filtros de serie segun normativa RITE, facilmente extraibles



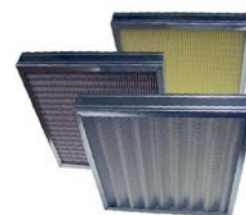
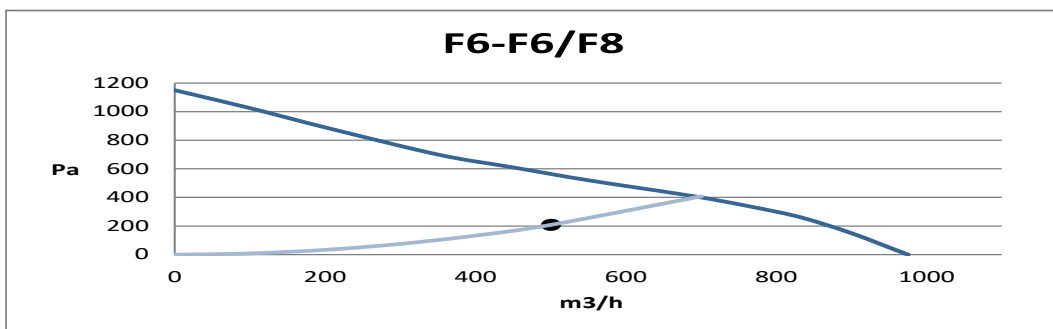
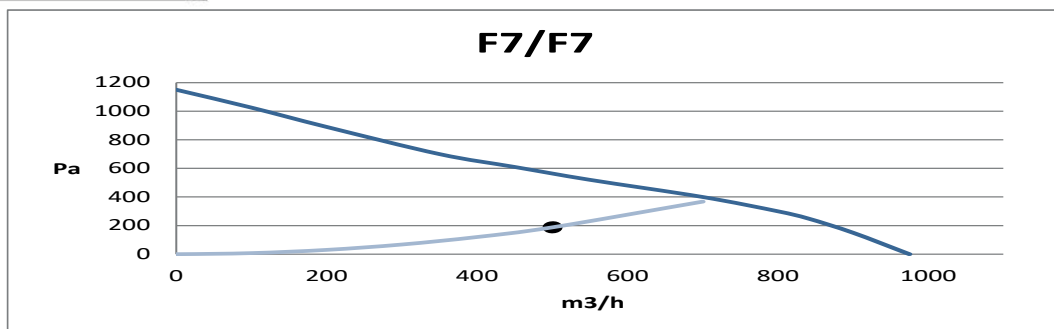


RECUPERADORES ESTATICOS SERIE ARR EC

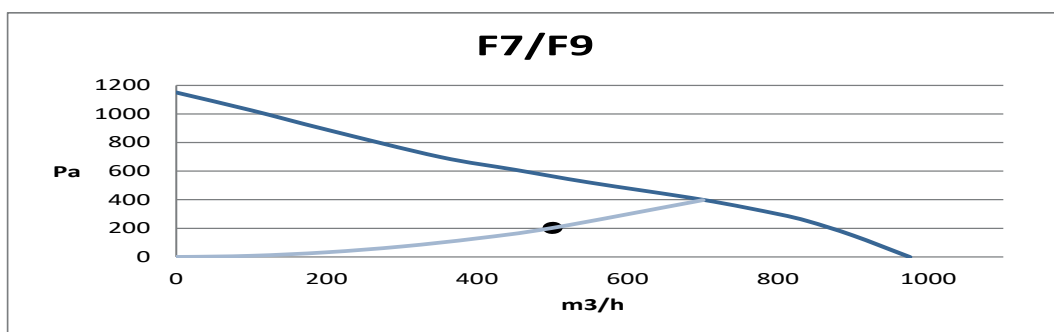
ARR 05 EC CAUDAL 500 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	K3G	0,17KW	1,4 A	I-230V
EXT.	K3G	0,17KW	1,4 A	I-230V



RECUPERADOR

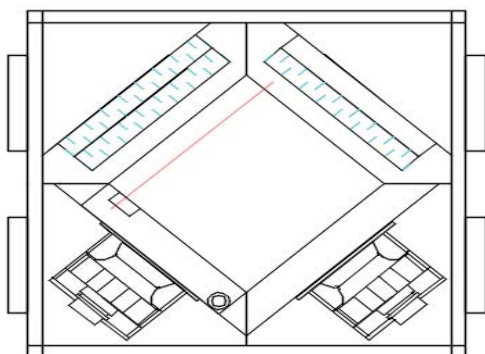
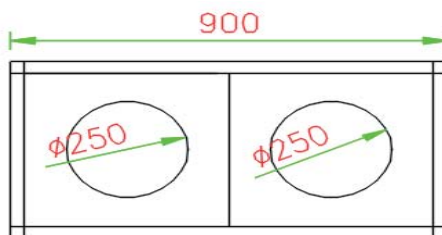
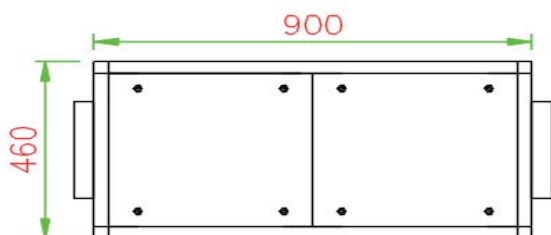


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 05 EC	500 m3/h	Invierno	22°C	-5°C	75,92%	3,24 KW

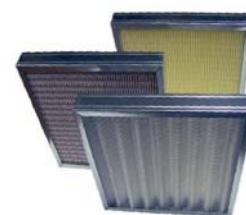
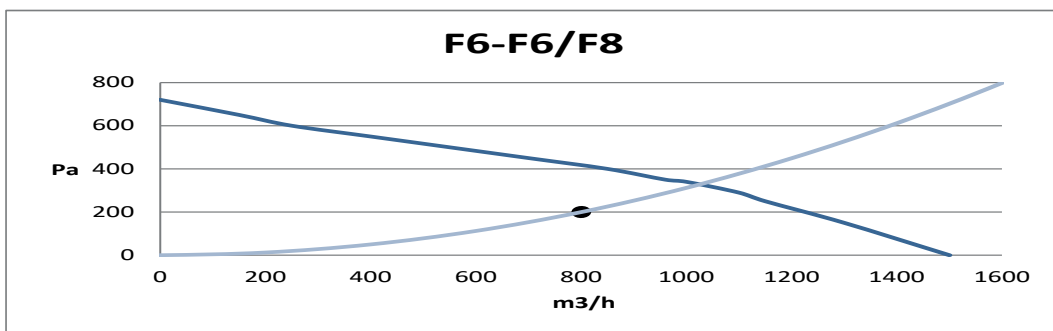
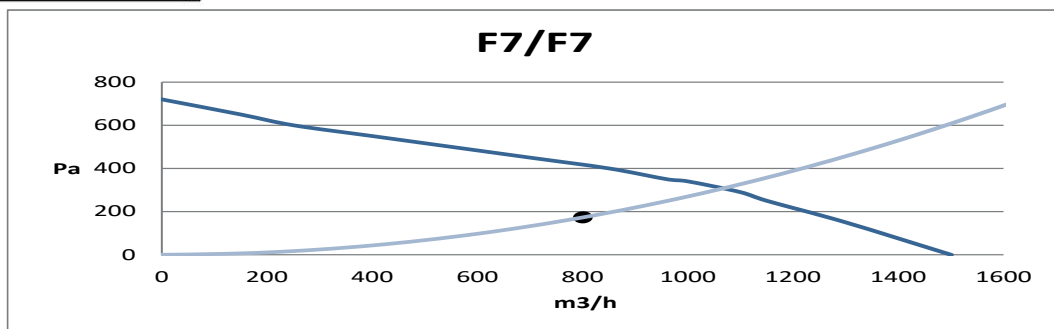


RECUPERADORES ESTATICOS SERIE ARR EC

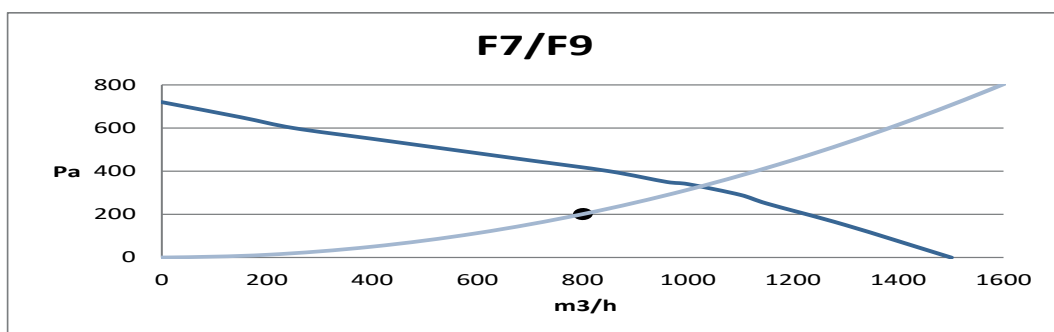
ARR 08 EC CAUDAL 800 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	R3G	0,17KW	1,4 A	I-230V
EXT.	R3G	0,17KW	1,4 A	I-230V



RECUPERADOR

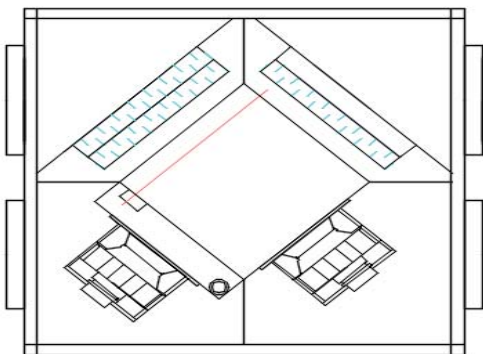
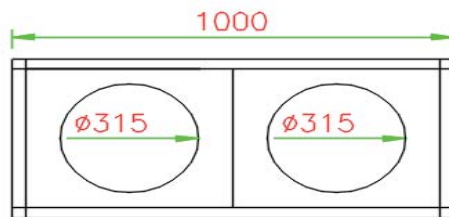
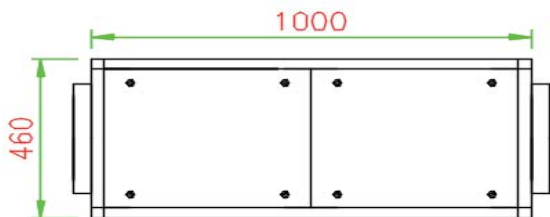


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 08 EC	800 m3/h	Invierno	22°C	-5°C	70,46%	5,10 KW

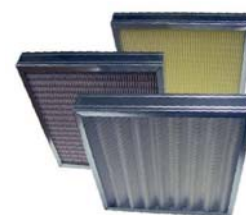
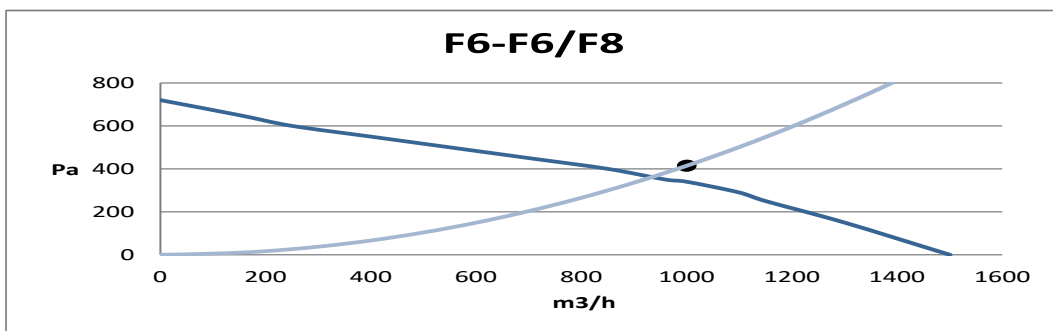
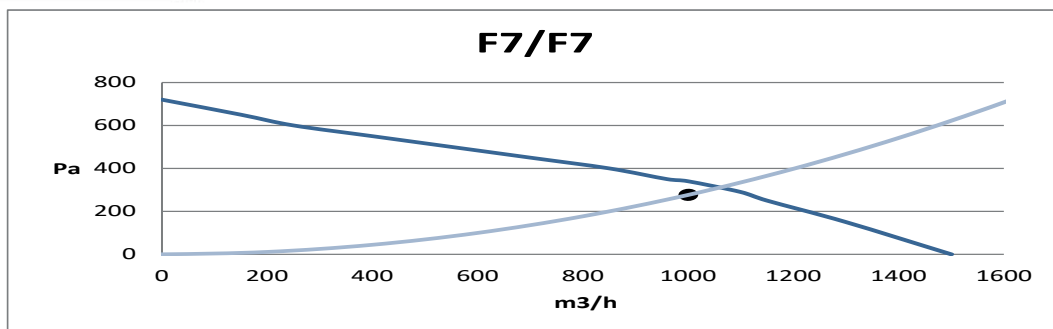


RECUPERADORES ESTATICOS SERIE ARR EC

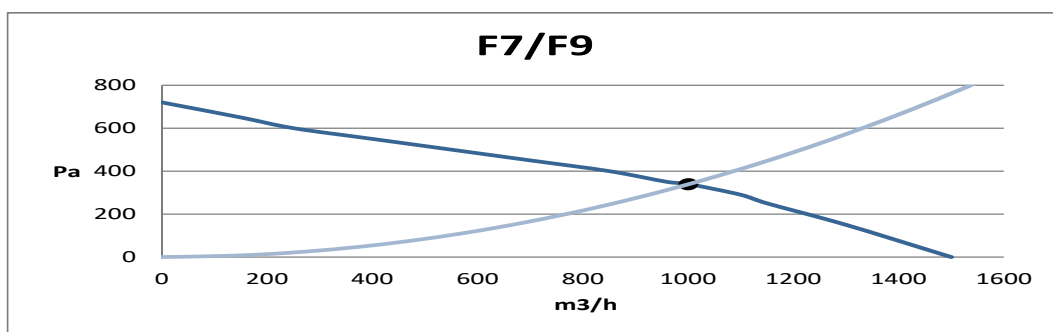
ARR 10 EC CAUDAL 1000 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	R3G	0,17KW	1,4 A	I-230V
EXT.	R3G	0,17KW	1,4 A	I-230V



RECUPERADOR

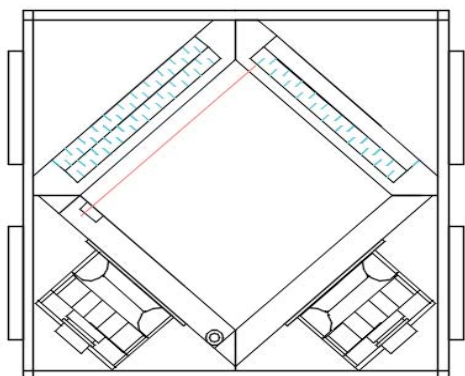
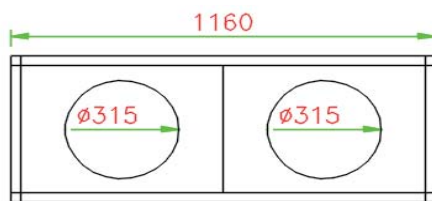
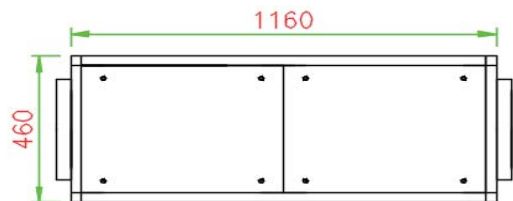


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 10 EC	1000 m ³ /h	Invierno	22°C	-5°C	69,62%	6,30KW

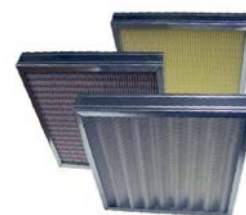
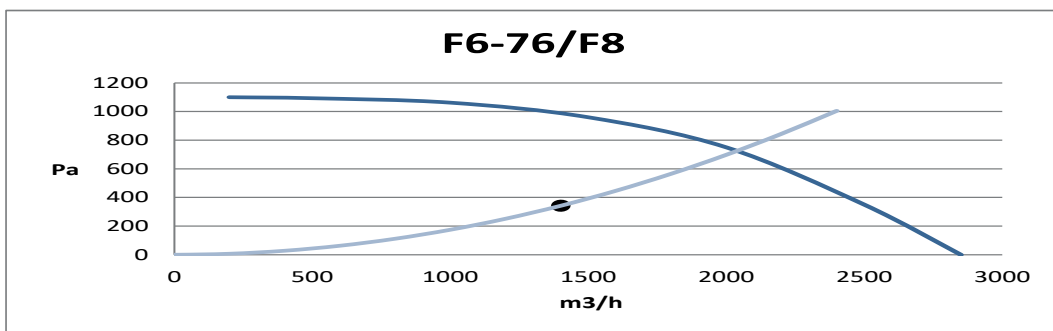
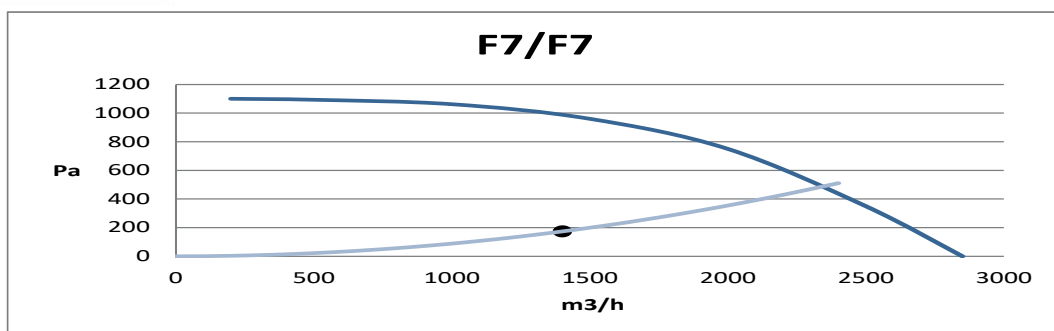


RECUPERADORES ESTATICOS SERIE ARR EC

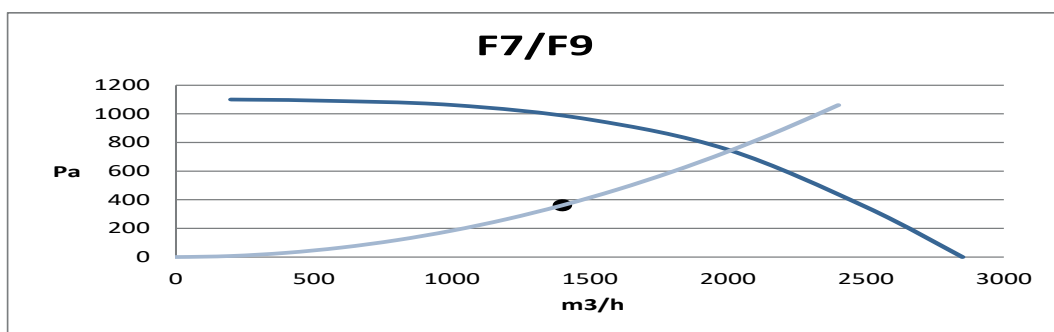
ARR 14 EC CAUDAL 1400 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	GR25C	0,78KW	1,5 A	I-230V
EXT.	GR25C	0,78KW	1,5 A	I-230V



RECUPERADOR

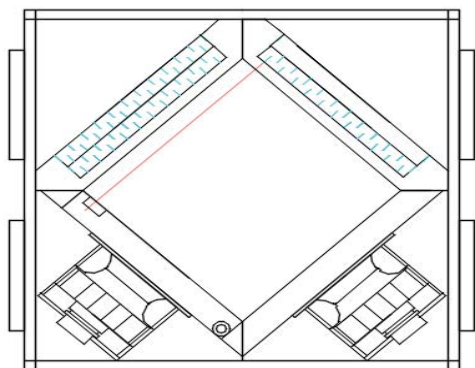
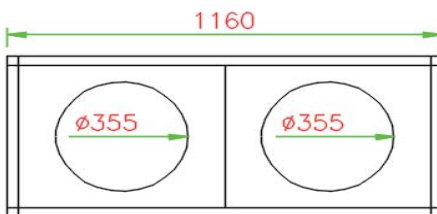
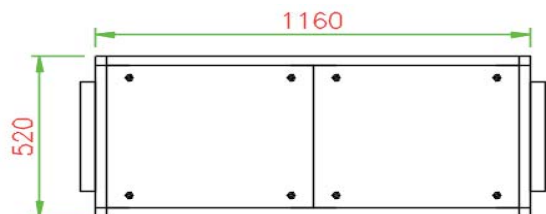


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 14 EC	1400m3/h	Invierno	22°C	-5°C	70,68%	9,50KW

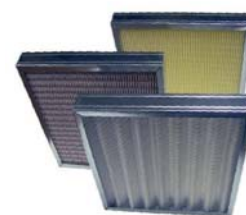
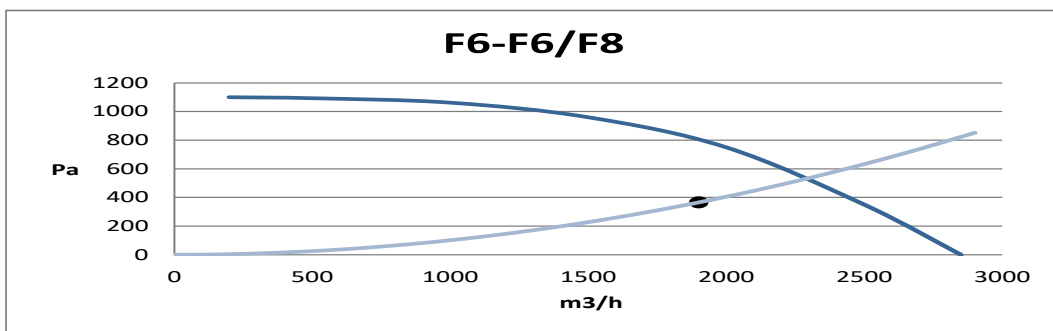
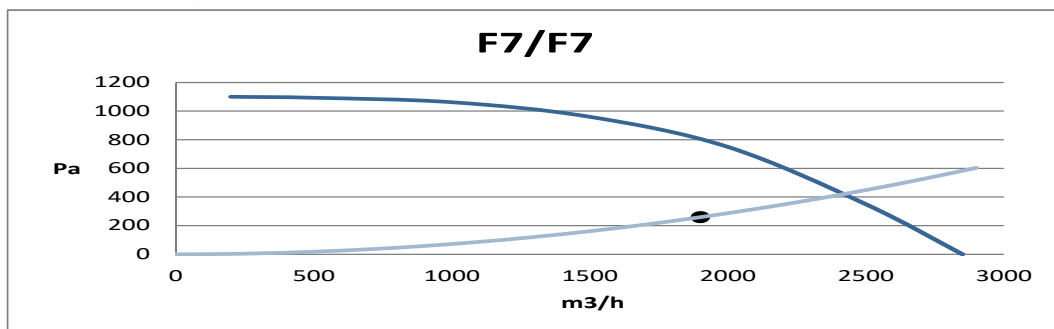


RECUPERADORES ESTATICOS SERIE ARR EC

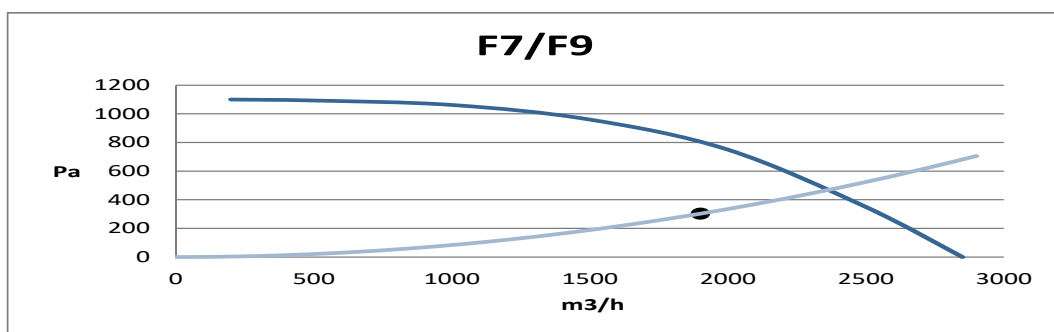
ARR 19 EC CAUDAL 1900 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	GR25C	0,78KW	2,5 A	I-230V
EXT.	GR25C	0,78KW	2,5 A	I-230V



RECUPERADOR

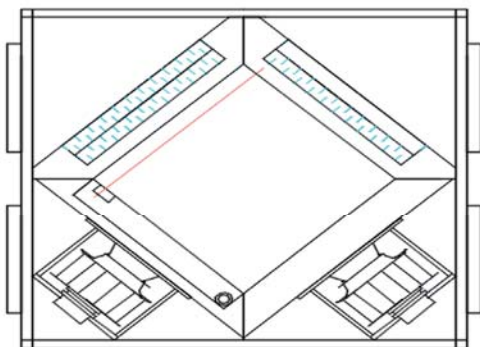
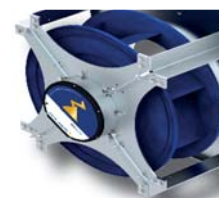
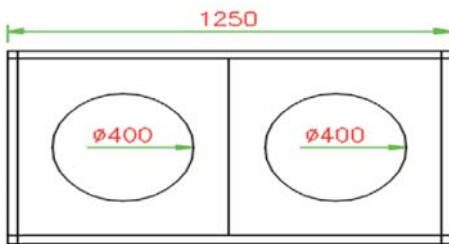
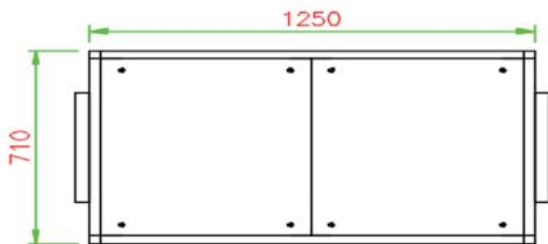


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 19 EC	1900 m3/h	Invierno	22°C	-5°C	%	12,09KW

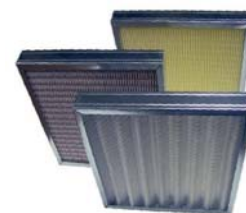
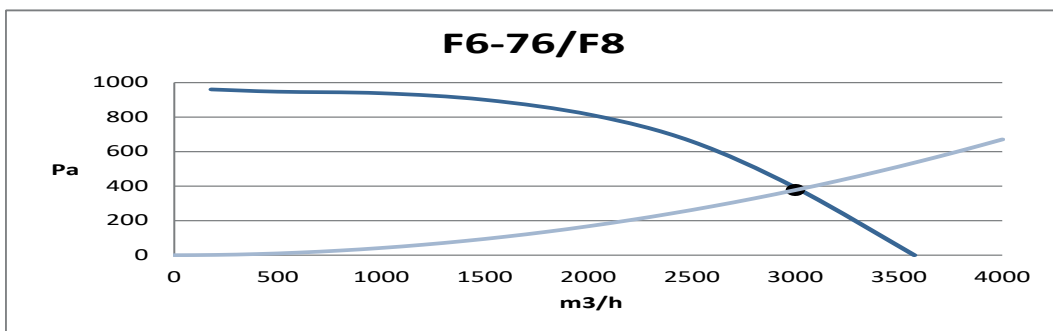
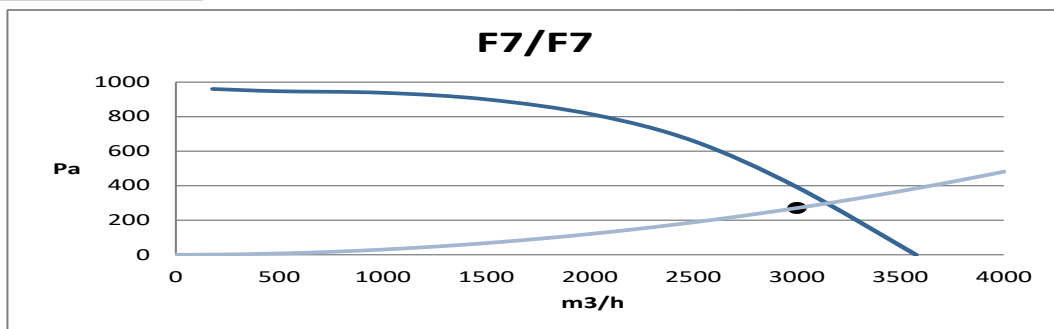


RECUPERADORES ESTATICOS SERIE ARR EC

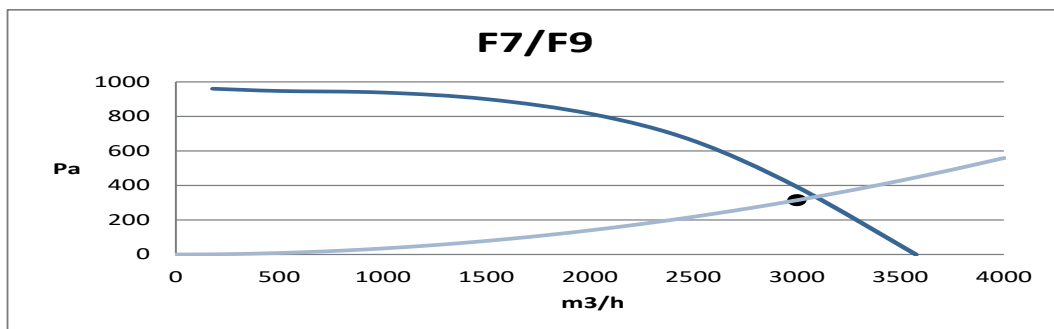
ARR 30 EC CAUDAL 3000 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	GR31C	0,78KW	3,9 A	I-230V
EXT.	GR31C	0,78KW	3,9 A	I-230V



RECUPERADOR

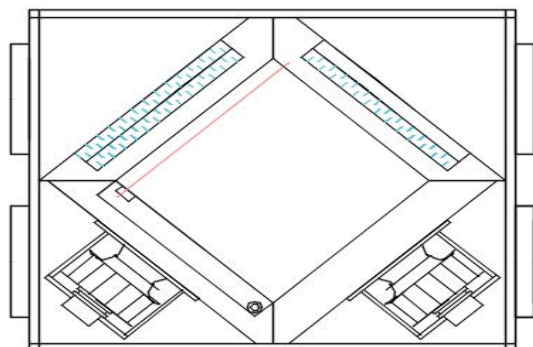
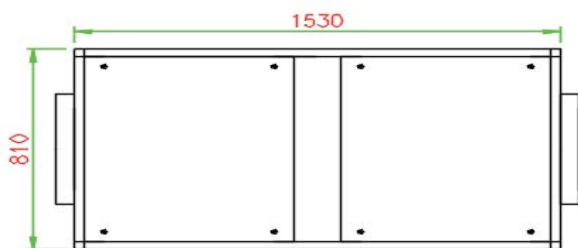


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 030EC	3000 m3/h	Invierno	22°C	-5°C	69,05 %	18,85 KW

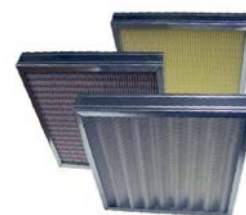
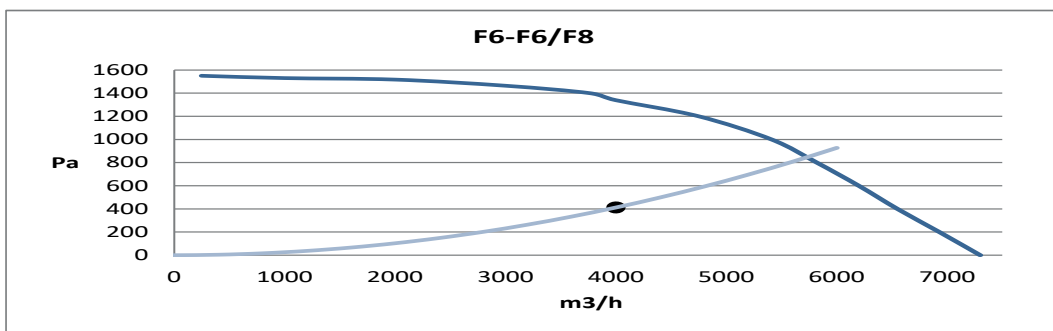
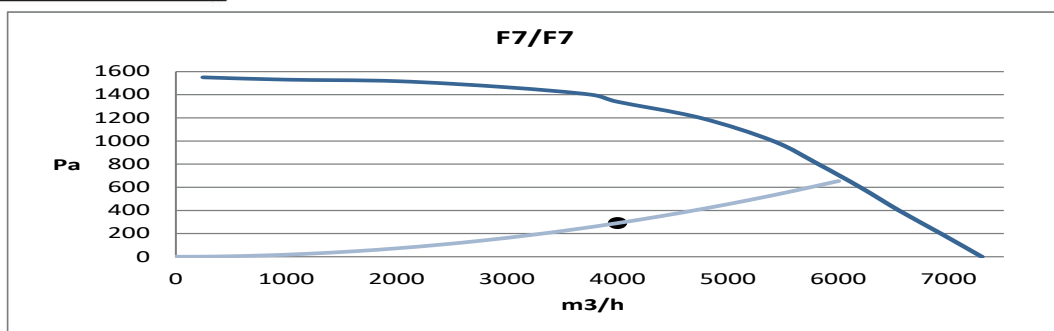


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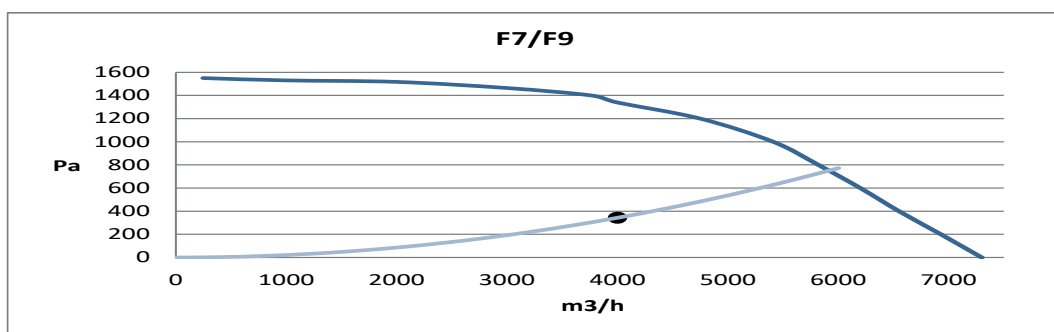
ARR 40 EC CAUDAL 4000 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	GR35C	2,5 KW	2,28 A	III 400V
EXT.	GR35C	2,5 KW	2,28 A	III 400V



RECUPERADOR

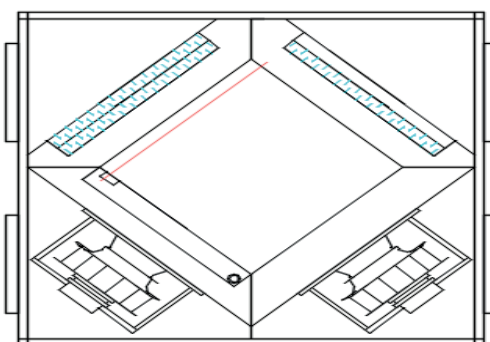
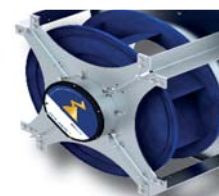
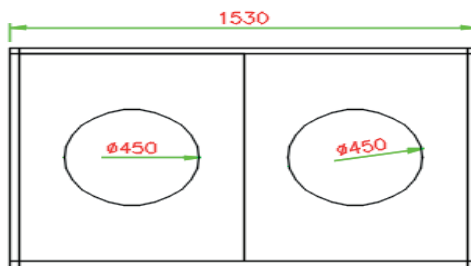
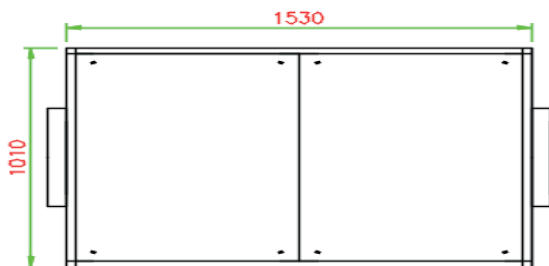


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 40 EC	4000 m3/h	Invierno	22°C	-5°C	68,20 %	24,74 KW

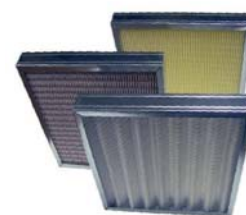
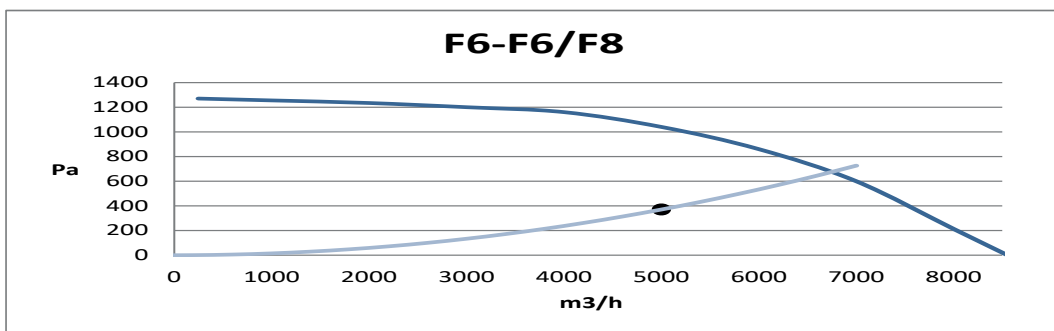
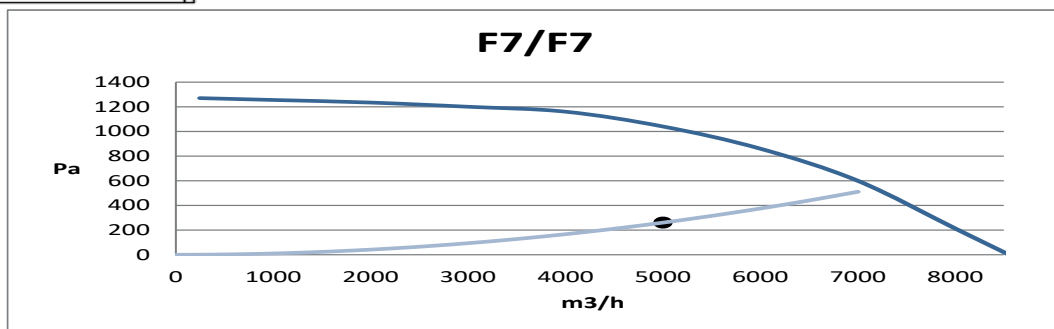


RECUPERADORES ESTATICOS SERIE ARR EC

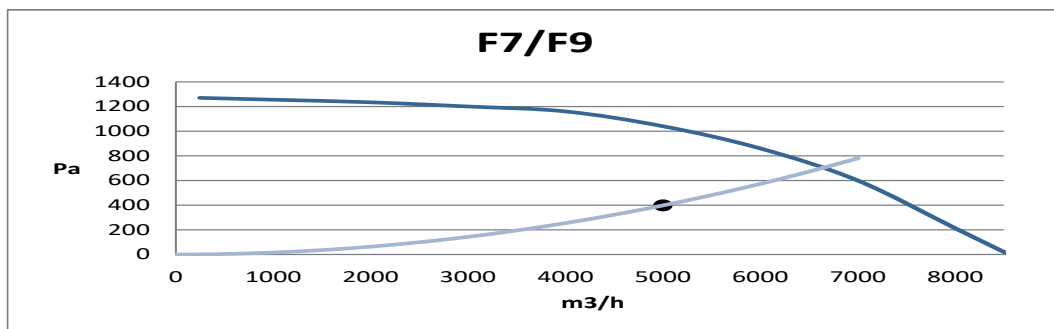
ARR 50 EC CAUDAL 5000 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	GR40C	2,4 KW	3,9 A	III 400V
EXT.	GR40C	2,4 KW	3,9 A	III 400V



RECUPERADOR

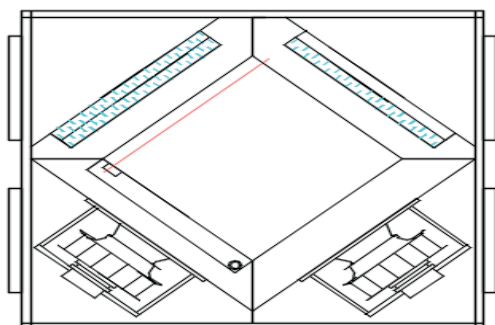
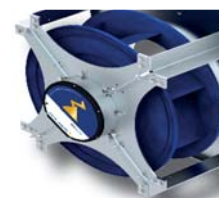
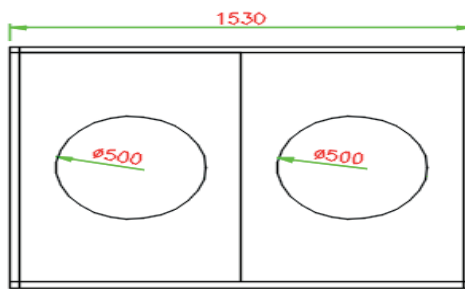
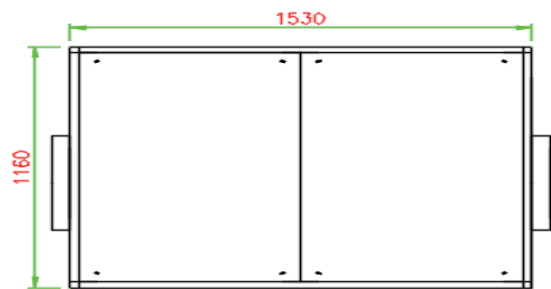


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 50 EC	5000 m3/h	Invierno	22°C	-5°C	68,35%	30,96 KW

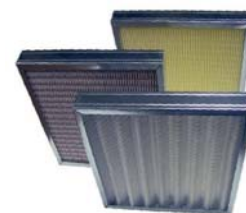
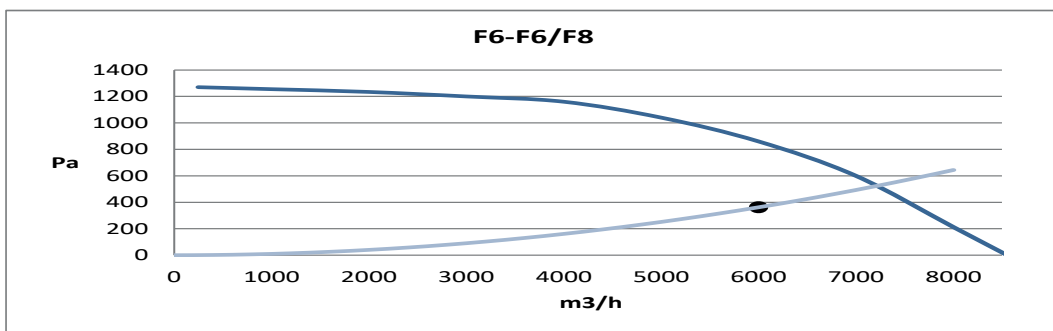
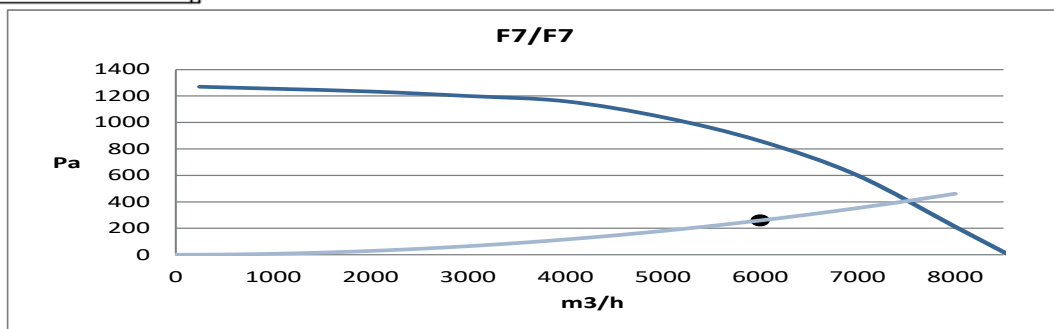


RECUPERADORES ESTATICOS SERIE ARR EC

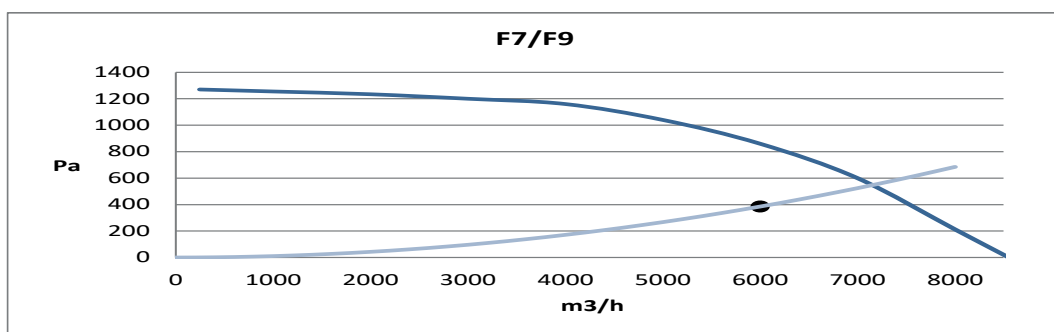
ARR 60 EC CAUDAL 6000 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	GR40C	2,4 KW	1,4 A	III 400V
EXT.	GR40C	2,4 KW	1,4 A	III 400V



RECUPERADOR

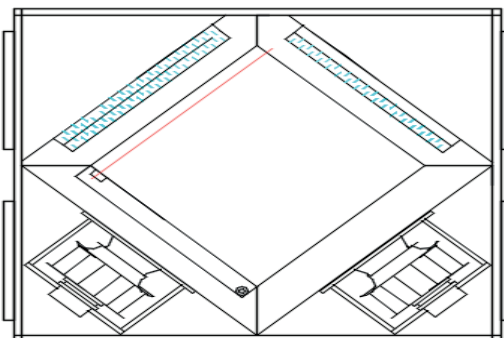
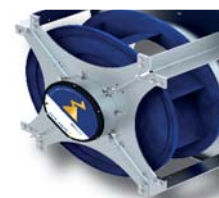
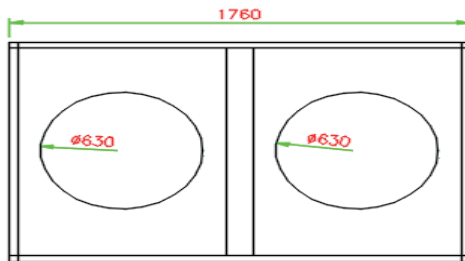
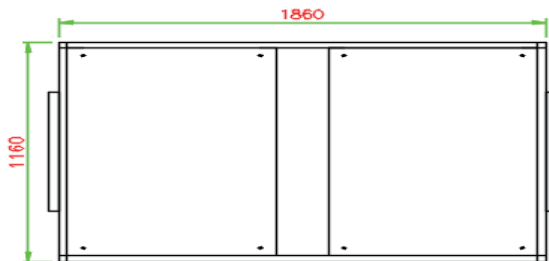


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 60 EC	6000 m3/h	Invierno	22°C	-5°C	68,35%	37,16KW

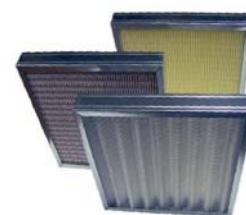
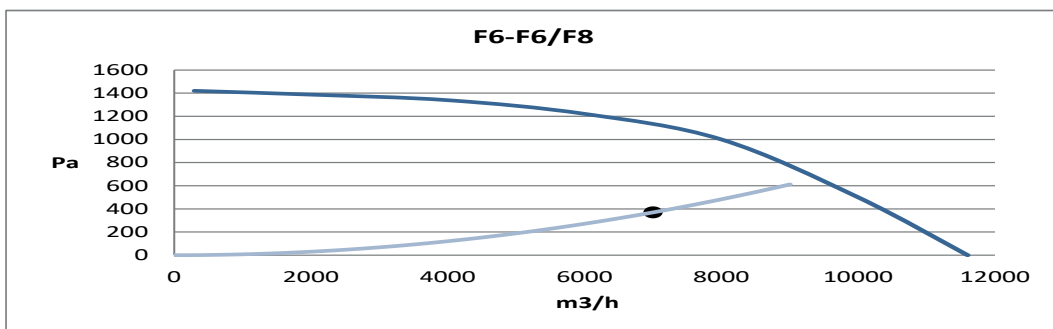
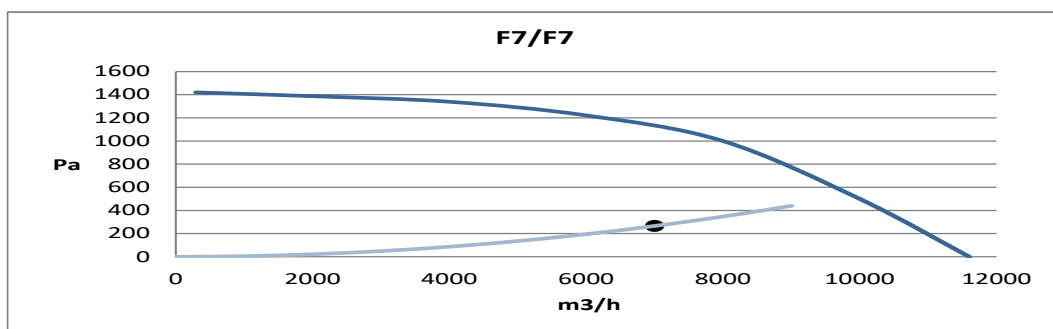


RECUPERADORES ESTATICOS SERIE ARR EC

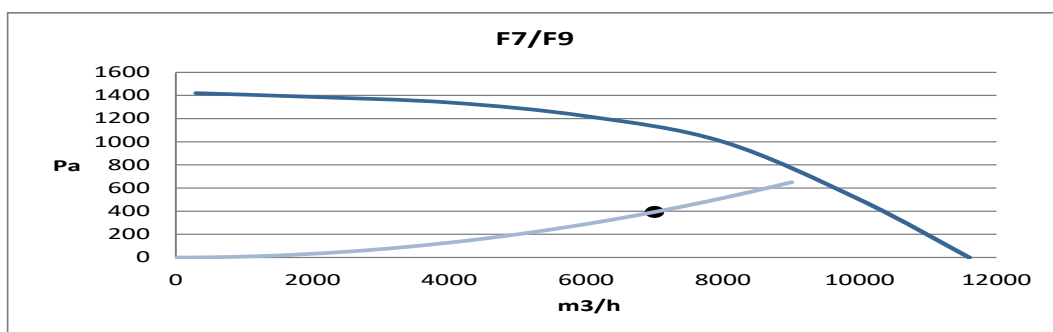
ARR 70 EC CAUDAL 7000 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	GR45C	3,6 KW	5,8 A	III 400V
EXT.	GR45C	3,6 KW	5,8 A	III 400V



RECUPERADOR

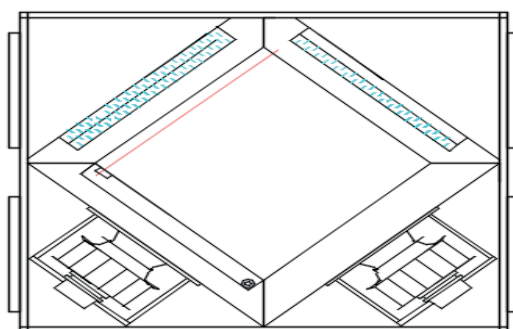
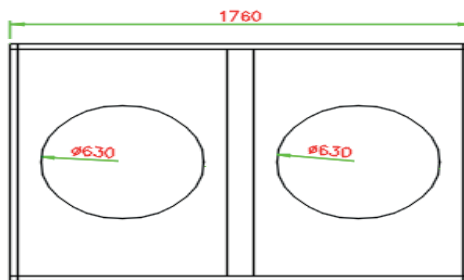
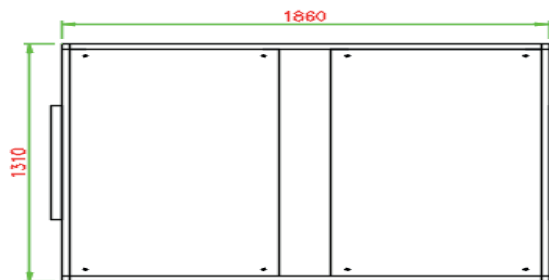


Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 70 EC	7000 m3/h	Invierno	22°C	-5°C	%71,02	45,05 KW

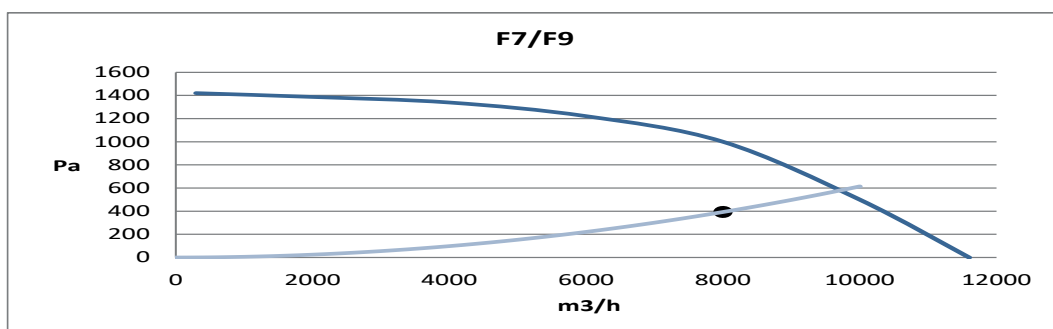
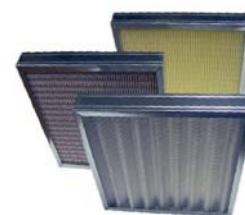
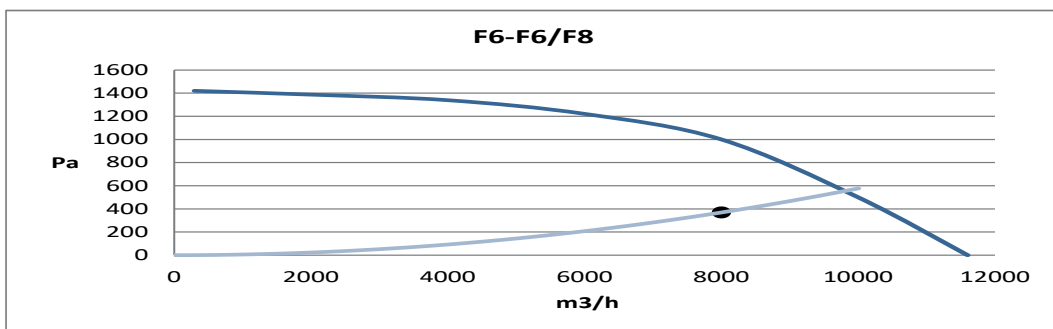
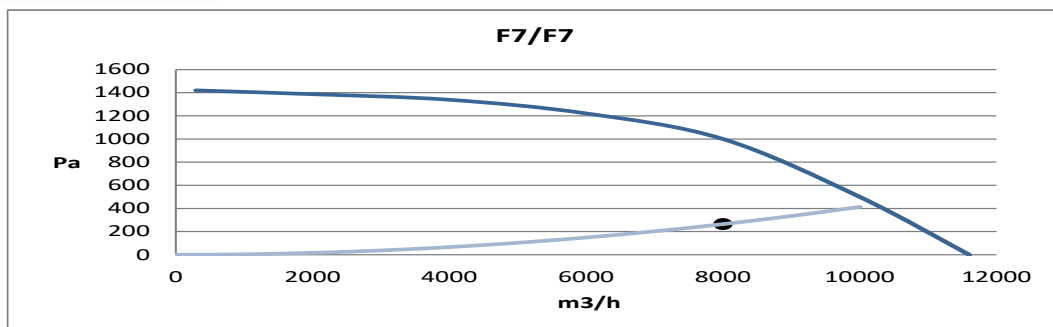


RECUPERADORES ESTATICOS SERIE ARR EC

ARR 80 EC CAUDAL 8000 m3/h



VENTILADOR	MOD.	POT.	INT.	TENSION
IMP.	GR45C	3,6 KW	5,8 A	III 400V
EXT.	GR45C	3,6 KW	5,8 A	III 400V



RECUPERADOR

Modelo	Caudal	Estacion	Aire Interior	Aire Exterior	Rendimiento	Potencia
ARR 80 EC	8000 m3/h	Invierno	22°C	-5°C	70,71%	51,33 KW



RECUPERADORES ESTATICOS SERIE ARR EC

ARR EC TARIFAS / CONTROL/REC



ARR EC 05	ARR EC 08	ARR EC 10	ARR EC 14	ARR EC 19	ARR EC 30	ARR EC 40	ARR EC 50	ARR EC 60
1.863€	2.232€	2.360€	3.186€	3.422€	3.917	5.055€	5.792€	6.220€
ARR EC 70	ARR EC 80							
7.414€	7.925€							

Incluye en precio: Filtracion Rite F6-F8/F6 : Control basico TK-LV : By.Pass: regulador : Recuperador >67%

* Para filtracion IDA 1 (F7/F9) se incrementa el precio un 3% sobre el P.V.P.

SERIE ARR EC ACCESORIOS	ARR 05	ARR08	ARR 10	ARR 14	ARR 19	ARR 30	ARR 40	ARR 50	ARR 60	ARR 70	ARR 80
TEJADILLO	61€	61€	70€	95€	95€	130€	160€	160€	180€	190€	190€
CONJUNTO VISERAS (IMP/RET) pico/pata con maya	46€	46€	67€	81€	81€	105€	116€	116€	134€	158€	158€
BAT ELECT.	consultar	consultar	consultar	consultar	consultar	consultar	consultar	consultar	consultar	consultar	consultar
BAT.AGUA CAL.	consultar	consultar	consultar	consultar	consultar	consultar	consultar	consultar	consultar	consultar	consultar
CONTROL REGULADOR 0-10vc	63€	63€	63€	63€	63€	63€	63€	63€	63€	63€	63€
PREOSTATOS EN FILTRO	81€	81€	81€	81€	81€	81€	81€	81€	81€	81€	81€
CONTROL CALIDAD CO2 + sonda de conducto (solo suministro)	725€	725€	725€	725€	725€	725€	853€	853€	853€	853€	853€
- CONTROL BASICO TK-LV (Instalado)	83€	83€	83€	83€	83€	83€	83€	83€	83€	83€	83€
- CONTROL INTEGRAL TXK-HR (instalado)	873€	873€	873€	873€	873€	873€	1000€	1000€	1000€	1032€	1032€
- CONTROL AVANZADO S98N (instalado)	1194€	1194€	1194€	1194€	1194€	1194€	1240€	1240€	1240€	1248€	1248€

CONTROL BASICO

CONTROL CO2

CONTROL INTEGRAL

CONTROL AVANZADO



FUNCIONALIDAD CONTROLADORES	BASIC TK-LV	CALIDAD TXK-laQ	INTEGRAL TXK-HR	AVANZ TI S98N
- SELECCION MANUAL DE VELOCIDAD MAX/MIN	NO	NO	SI	SI
- TEMPERATURA DE IMPULSION	SI	NO	SI	SI
- TEMPERATURA EXTERIOR	SI	NO	SI	SI
- TEMPERATURA EXPULSION	NO	NO	NO	SI
- PRESOSTATOS EN FILTRO/ALARMA	SI	NO	SI	SI
- ALARMA VENTILADORES IMP/RETORNO	NO	SI	SI	SI
- GESTION DE CALIDAD DE AIRE (GESTION VEL. AIRE)	NO	SI	SI	SI
- COMPUERTA BY PASS	SI	SI	SI	SI
- MANDO DE SUPERFICIE PROGRAMABLE 2 HILOS	NO	NO	SI	SI
- BUS DE COMUNICACION (MOD-BUS)	NO	SI	SI	SI
- ETAPA DE REGULACION DE VELOCIDADES	NO	SI	SI	SI
- PROGRAMACION HORARIA	NO	NO	SI	SI
- PRESION/CAUDAL CONSTANTE	NO	NO	SI	SI
- REGULACION DE BATERIA PROPORCIONAL FRIO/CALOR	NO	NO	NO	SI

COMPOSICION ELEMENTOS Y FUNCION	BASIC TK-LV	CALIDAD TXK-laQ	INTEGRAL TXK-HR	AVANZ TI S98N
PLACA DE FUERZA,CONTROL Y CONEXIONES	NO	NO	SI	SI
SONDAS DE TEMPERATURA	SI	NO	SI	SI
- SONDA DE TEMP EXPULSION	NO	NO	SI	SI
- SONDA TEM. ENTRADA AIRE	SI	NO	NO	SI
- SONDA TEM. IMPULSION	SI	NO	SI	SI
PRESOSTATOS EN FILTROS MONTADOS Y CABLEADOS	NO	NO	SI	SI
ETAPA DE POTENCIA (VARIADORES)	NO	NO	NO	SI
COMUNICACION MODBUS	NO	SI	SI	SI
FUNCION PRESION/CAUDAL CONSTANTE	NO	NO	SI	SI
GESTION REMOTA DE MANDO DE SUPERFICIE	NO	NO	SI	SI
GESTION BY PASS DEL AIRE	SI	SI	SI	SI
SISTEMA DE MONITORIZACION	NO	NO	NO	SI
SONDA DE CALIDAD CO2	NO	SI	NO	SI



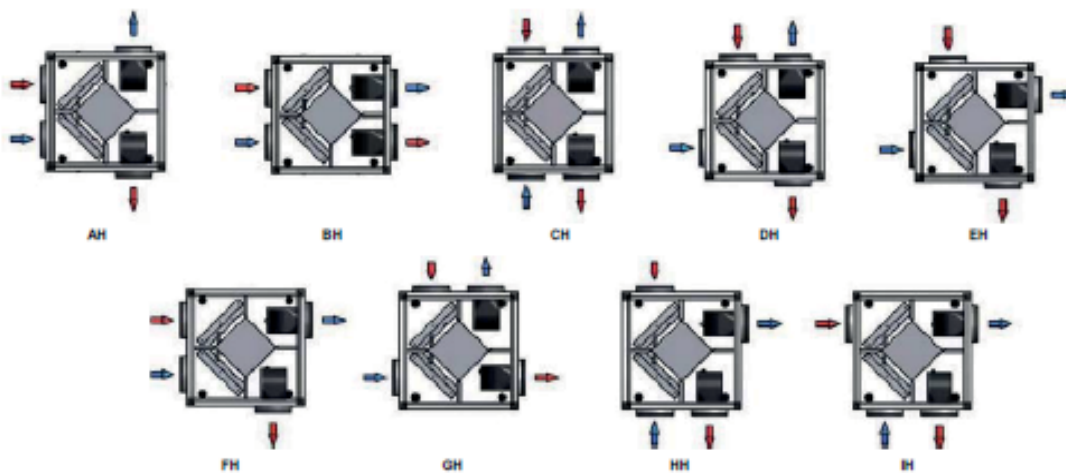
RECUPERADORES ESTATICOS SERIE ARR EC

ARR EC CONFIGURACIONES

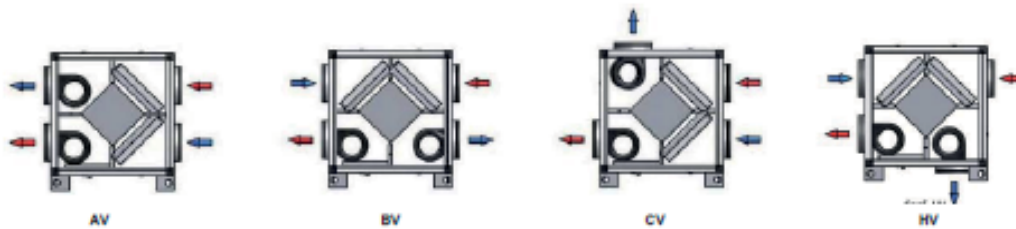


CONFIGURACIONES:

HORIZONTAL (VISTA SUPERIOR): CONFIGURACION ESTANDAR CH



VERTICAL (VISTA FRONTAL): CONFIGURACION ESTANDAR BV



FLECHAS ROJAS: Aire de extracción

FLECHAS AZULES: Aire Nuevo