

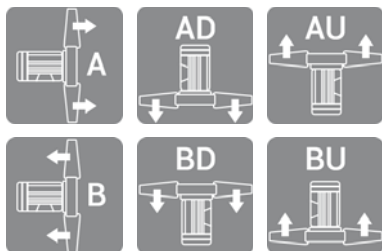
EB 9B



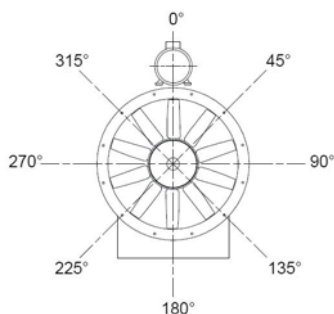
CUADRO DE APLICACIONES
TABLE OF APPLICATIONS

Aire a transportar Air Type	Cantidad de polvo Dust quantity (mg/m ³)
Polvoriento (ambiente industrial) Medium dust (industrial environment)	<500

TIPO DE FLUJO
AIR FLOW TYPE



ORIENTACIONES MOTOR
MOTOR POSITIONS



Ventiladores helicoidales tubulares a transmisión, con motor fuera del flujo del aire. Camisa de chapa de acero Fe 360 B robusta galvanizada en caliente con doble brida y puerta de inspección. Hélice y buje de aleación de aluminio, con palas variables, equilibrada dinámicamente. Se incluye protección para la transmisión. Los elementos de la transmisión se encuentran totalmente aislados del flujo del aire. La pintura de la chapa se efectúa mediante tratamiento por cataforesis + pintura poliuretana. Temperatura de trabajo -20°C/180°C.

Sistemas de montaje

- SISTEMA 9: acoplamiento a transmisión con el motor sostenido por la camisa.
- SISTEMA 12: acoplamiento a transmisión con el ventilador y el motor sostenidos por la bancada. Sólo disponible en versión con buje de acero.

Bajo pedido

- Versión preparada para trabajar hasta 300°C en continuo.
- Fabricado en Corten para temperaturas superiores a 300°C.
- Versión anticorrosiva en INOX AISI 304-316.
- Versión estanca para aplicaciones particulares.

Cylindrical cased axial flow belt drive fans with motor located externally to the fan casing. The casing is made of sturdy welded sheet steel Fe 360 B hot galvanized with double flange and inspection door. The impeller and the hub are made of a die-cast aluminium alloy, with variable pitch angle, dynamically balanced. This construction includes belt guard. The drive components are totally insulated from the airflow. The sheet is painted following a cataforesis treatment + polyurethane paint. Working temperature -20°C/180°C.

Assembly systems

- ARRANGEMENT 9: belt drive with with motor supported by the casing.
- ARRANGEMENT 12: belt drive with fan and motor supported by the baseframe. Only available for steel hub versions.

On request

- Manufactured in steel Fe 360B specially prepared to work until 300°C continuously.
- Manufactured in Corten, for temperatures higher than 300°C.
- Anticorrosive version in INOX AISI 304-316.
- Special sealed version for particular applications.

Motores

Tensión de alimentación:
Trifásicos 230/400V-50Hz

Otros datos

- Hélice-Motor (flujo B).
- Sentido del aire Motor-Hélice (flujo A), bajo demanda.
- Para tamaños superiores a 1000, se aplica galvanizado en caliente.
- A partir del diámetro 1601, el buje es de acero.

Versiones ATEX

Bajo pedido, versiones antiexplosivas según la Directiva ATEX para modelos trifásicos:

Para trabajar a temperaturas de -20°C a +60°C, presión ambiente (absoluta) de 0,8 bar hasta 1,1 bar, según EN 14986.

• Gas:

- ⊕ 2G IIB T2-T3, Motor Exd IIB or Exell
- ⊕ 2G IIB+H2 T2-T3, Motor ExdIIc
- ⊕ 3G IIB T2-T3, Motor ExnA (sólo para categoría 3G)
- ⊕ 3G IIB+H2 T2-T3, Motor ExnA (sólo para categoría 3G)

• Polvo no conductivo:

- ⊕ 2D IIIB T195°C-T295°C
- ⊕ 3D IIIB T195°C-T295°C

• Polvo conductivo (con motor IP 65):

- ⊕ 2D IIIC T195°C-T295°C
- ⊕ 3D IIIC T195°C-T295°C

Motors

Voltage:
Three-phase 230/400V-50Hz

Other features

- Impeller-Motor (flow B).
- Motor-Impeller (flow A), on request.
- For sizes bigger than 1000, the fans are standard hot galvanized.
- From 1601 up to 1801 diameter, the hub is manufactured in steel.

ATEX versions

On request, explosion proof versions in accordance with ATEX directive for three phase models:

Ambient temperature -20°C to +60°C, ambient pressure (abs.) 0,8 bar to 1,1 bar according to EN 14986.

• Gas:

- ⊕ 2G IIB T2-T3, Motor Exd IIB or Exell
- ⊕ 2G IIB+H2 T2-T3, Motor ExdIIc
- ⊕ 3G IIB T2-T3, Motor ExnA (only for 3G zone)
- ⊕ 3G IIB+H2 T2-T3, Motor ExnA (only for 3G zone)

• Non-conductive dust:

- ⊕ 2D IIIB T195°C-T295°C
- ⊕ 3D IIIB T195°C-T295°C

• Conductive dust (compulsory IP 65 motor):

- ⊕ 2D IIIC T195°C-T295°C
- ⊕ 3D IIIC T195°C-T295°C

CARACTERÍSTICAS TÉCNICAS / TECHNICAL FEATURES

Es imprescindible comprobar que las características eléctricas (voltaje, intensidad, frecuencia, etc.) del motor que aparecen en la placa del mismo son compatibles con las de la instalación.

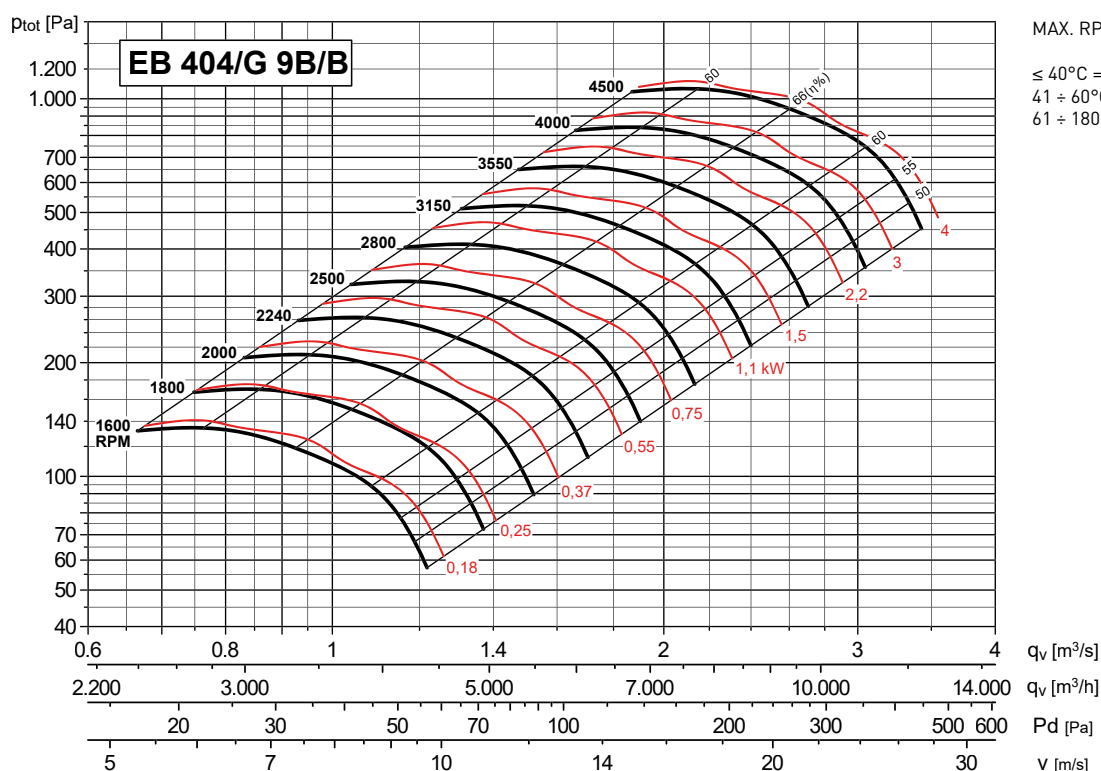
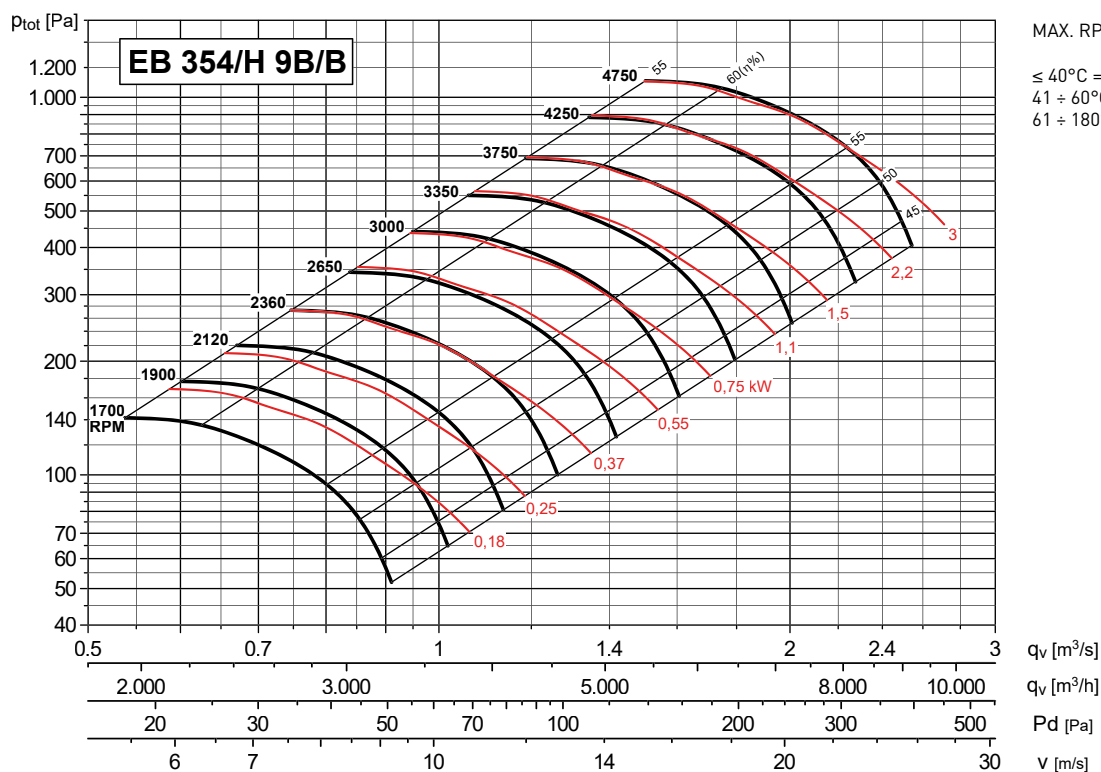
Please, check that electrical features (voltage, current, frequency, etc.) are suitable with your installation.

Modelo Model	Caudal máximo Maximum airflow (m³/h)	Potencia motor máxima Maximum motor power (kW)	Momento de inercia Moment of inertia (kg·m²) ⁽¹⁾
EB 354/H 9B/B	9.160	3,0	0,020
EB 404/G 9B/B	12.340	4,0	0,027
EB 454/H 9B/B	14.850	4,0	0,062
EB 504/G 9B/B	19.160	5,5	0,100
EB 564/H 9B/B	22.880	7,5	0,220
EB 634/G 9B/B	30.380	9,2	0,300
EB 714/H 9B/B	36.890	11,0	0,620
EB 804/G 9B/B	51.890	15,0	0,800
EB 904/I 9B/B	62.240	18,5	1,320
EB 1004/H 9B/B	74.020	22,0	1,870
EB 1124/G 9B/B	97.860	30,0	2,650
EB 1255/F 9B/B	107.780	30,0	3,500
EB 1406/E 9B/B	132.850	30,0	4,500
EB 1604/H 9B/B	253.710	90,0	10,250
EB 1804/H 9B/B	324.850	110,0	19,500

¹ Momento de inercia de la hélice / Impeller's moment of inertia

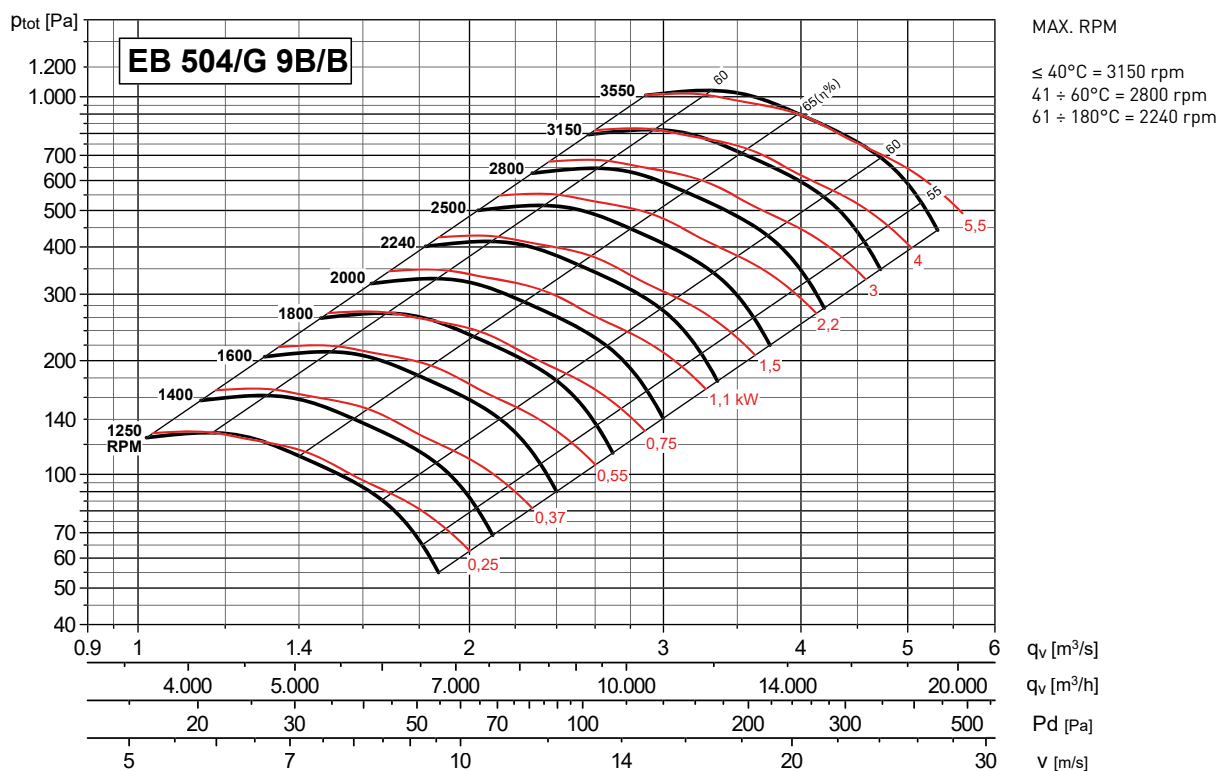
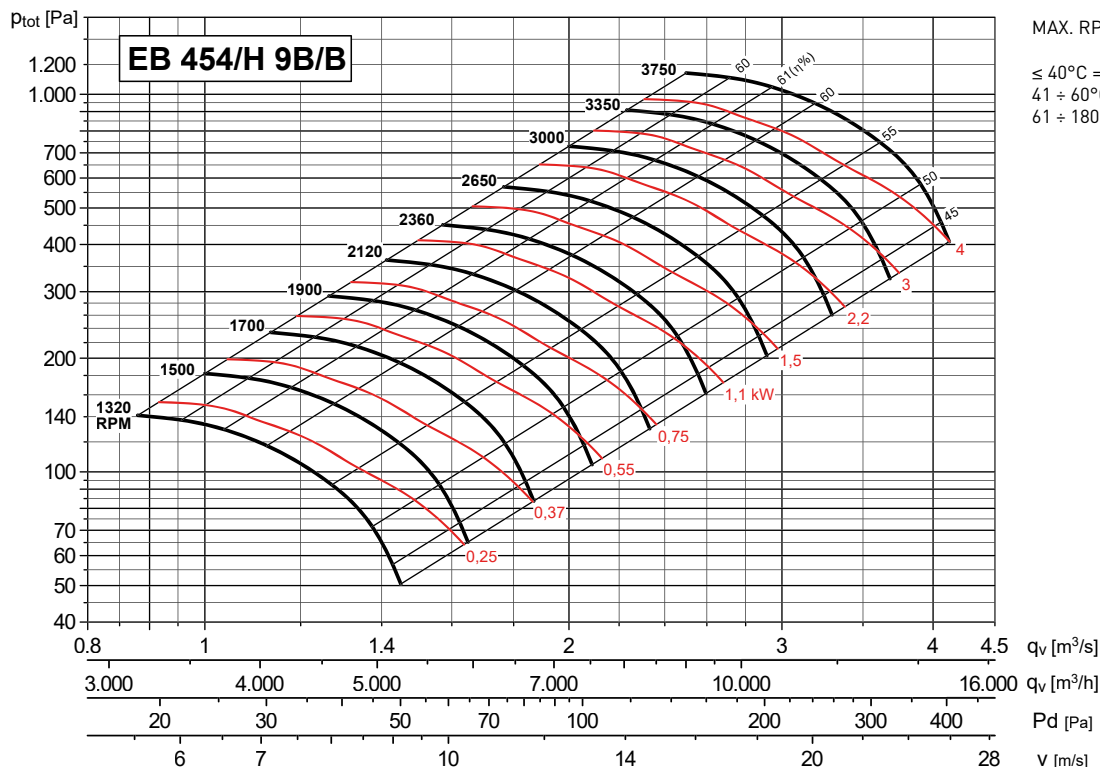
CURVAS CARACTERÍSTICAS (a la descarga) / PERFORMANCE CURVES (at outlet)

- P_{tot}: Presión total en Pa.
- P_{tot}: Total pressure in Pa.



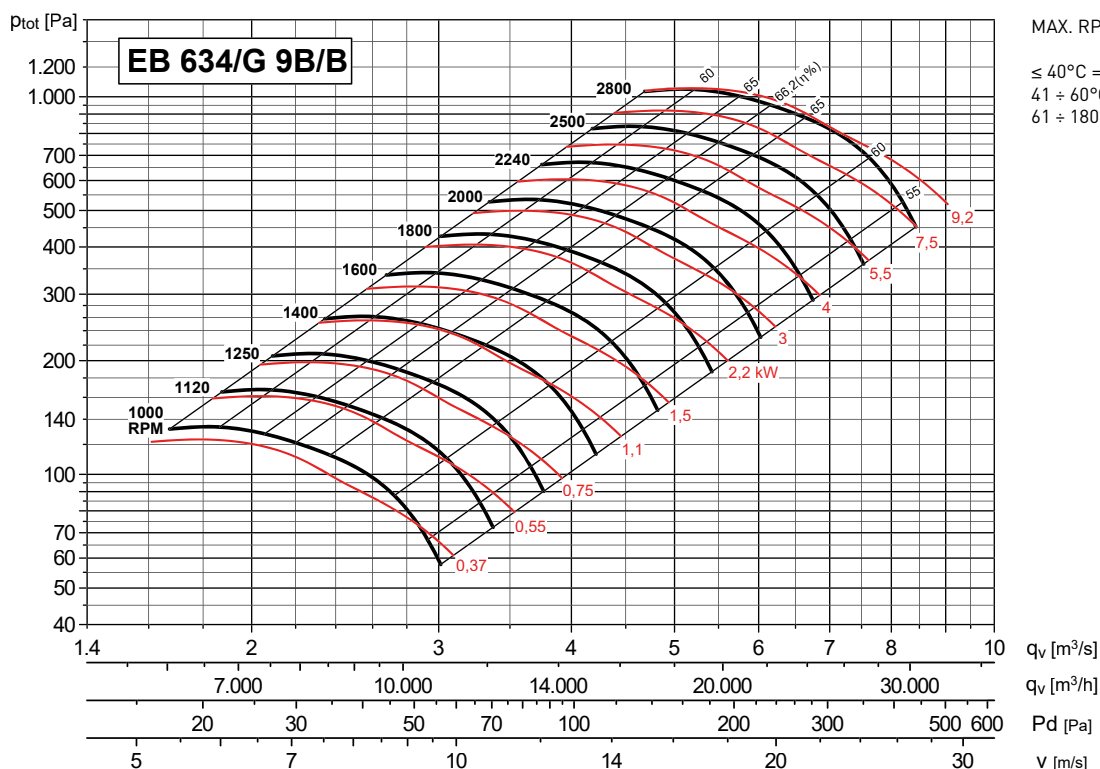
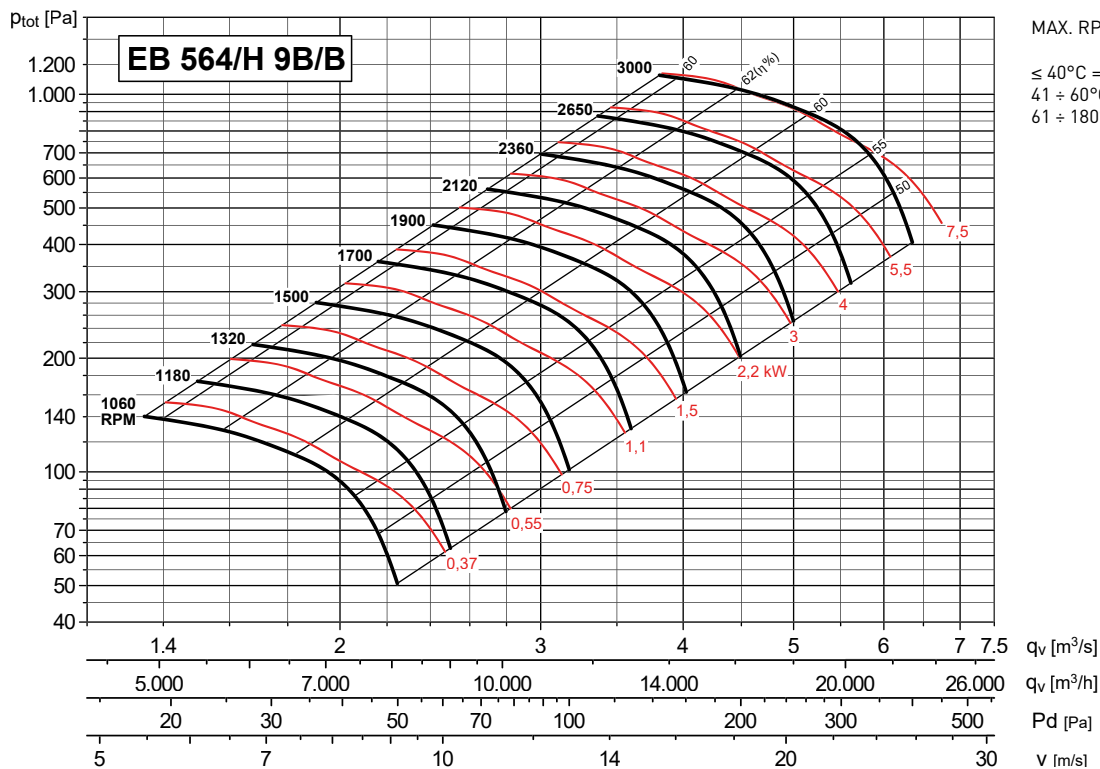
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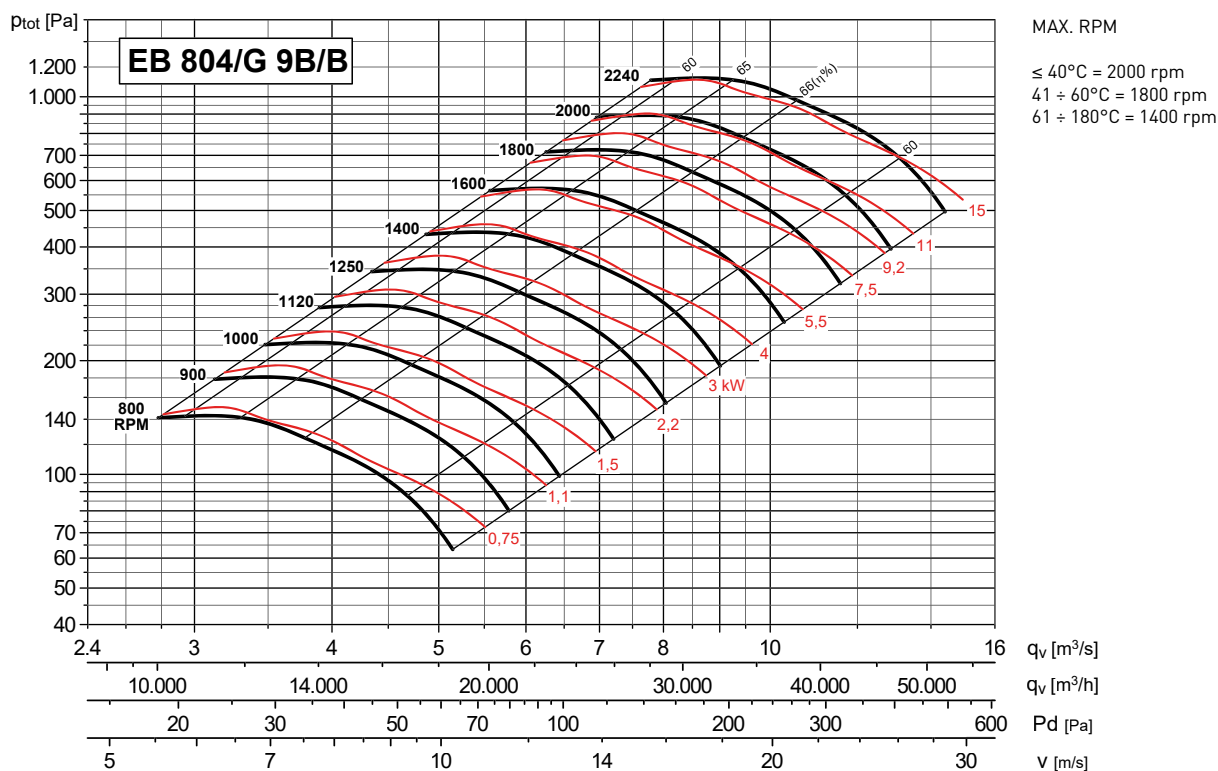
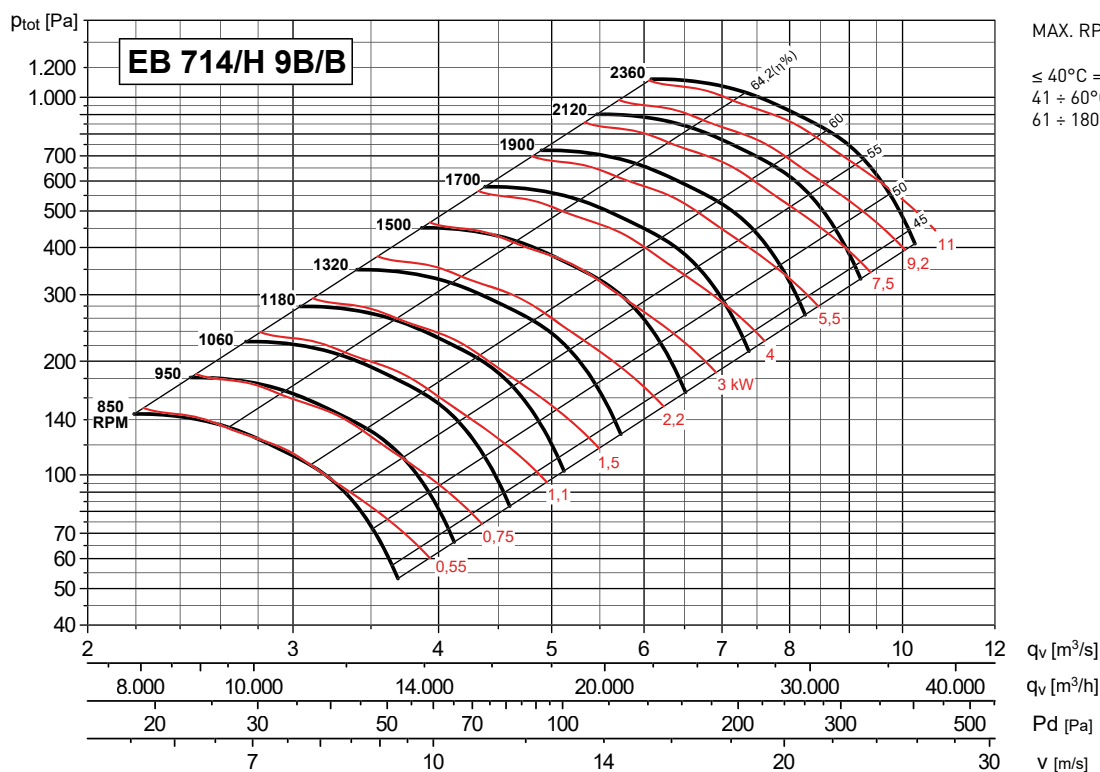
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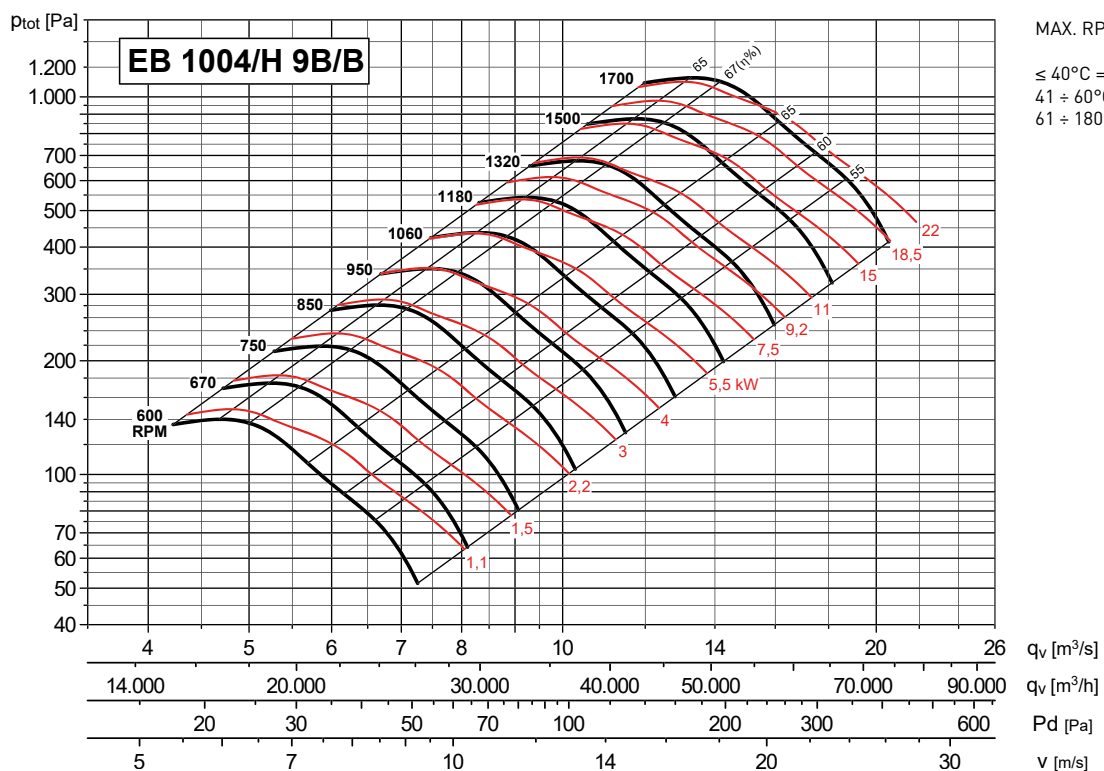
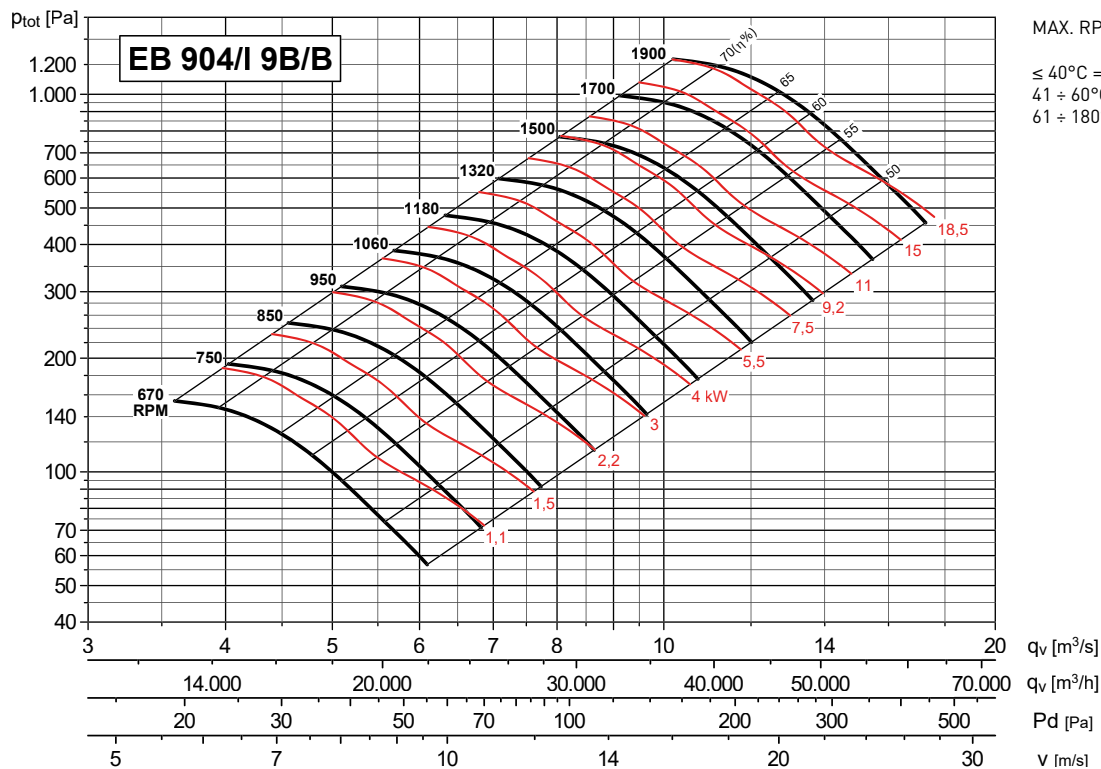
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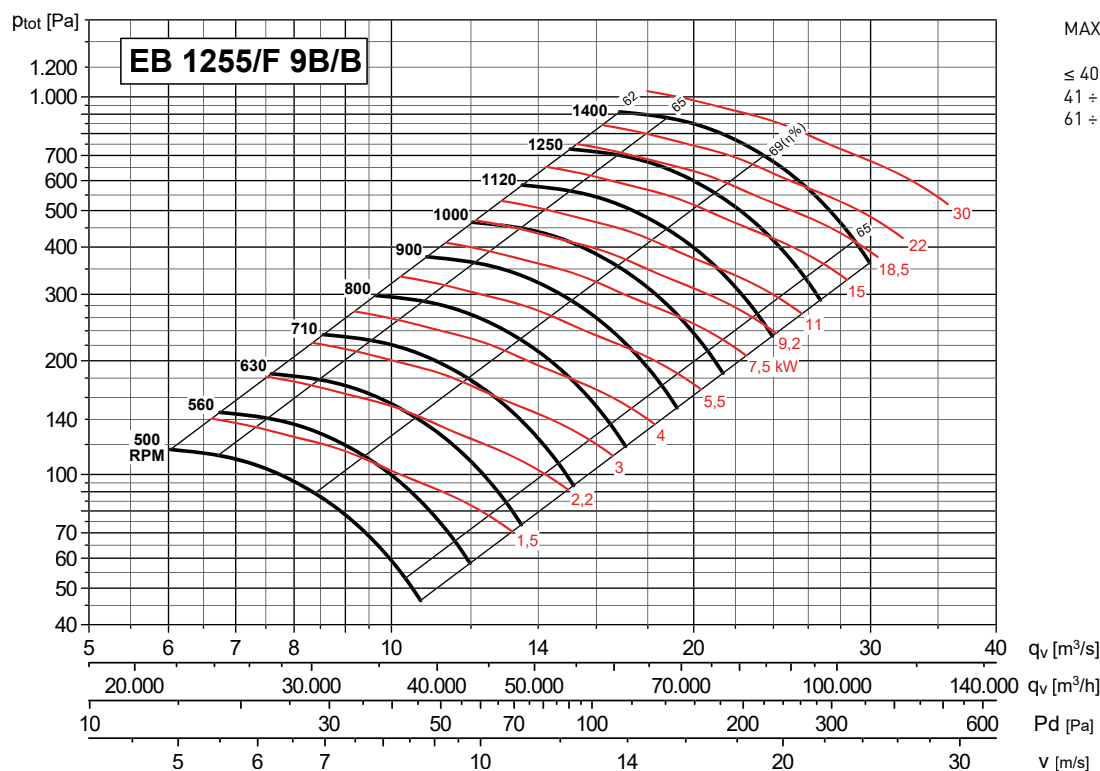
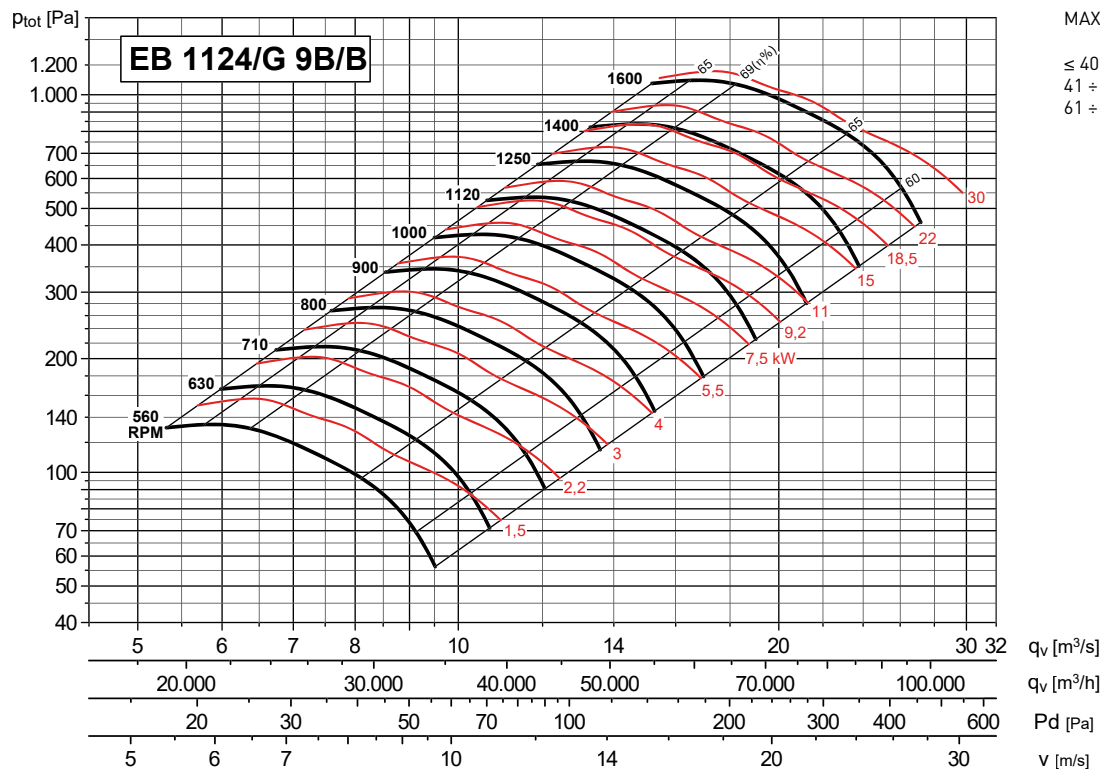
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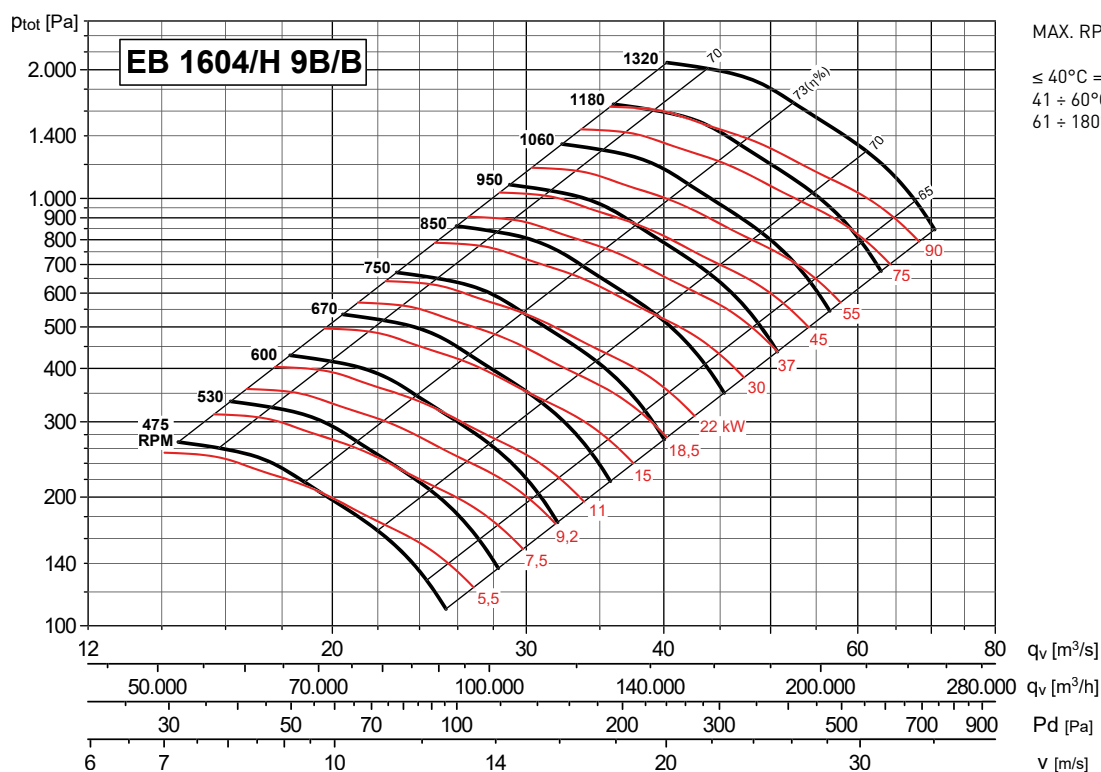
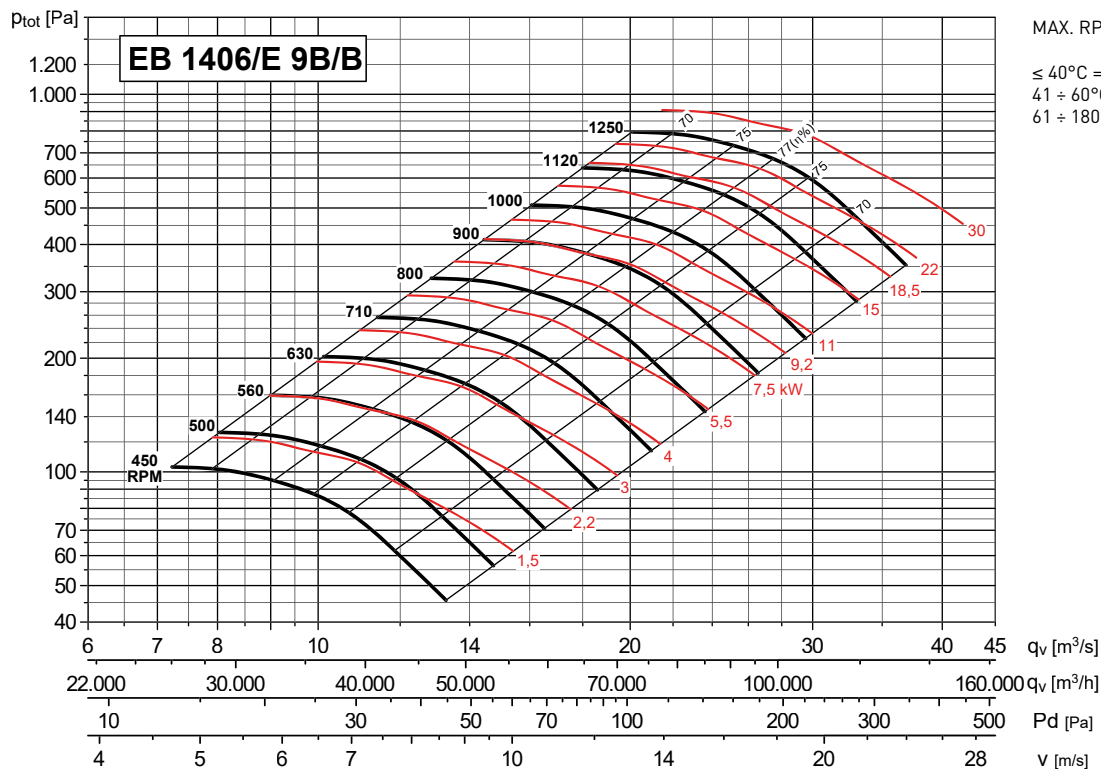
CURVAS CARACTERÍSTICAS (a la descarga) / PERFORMANCE CURVES (at outlet)

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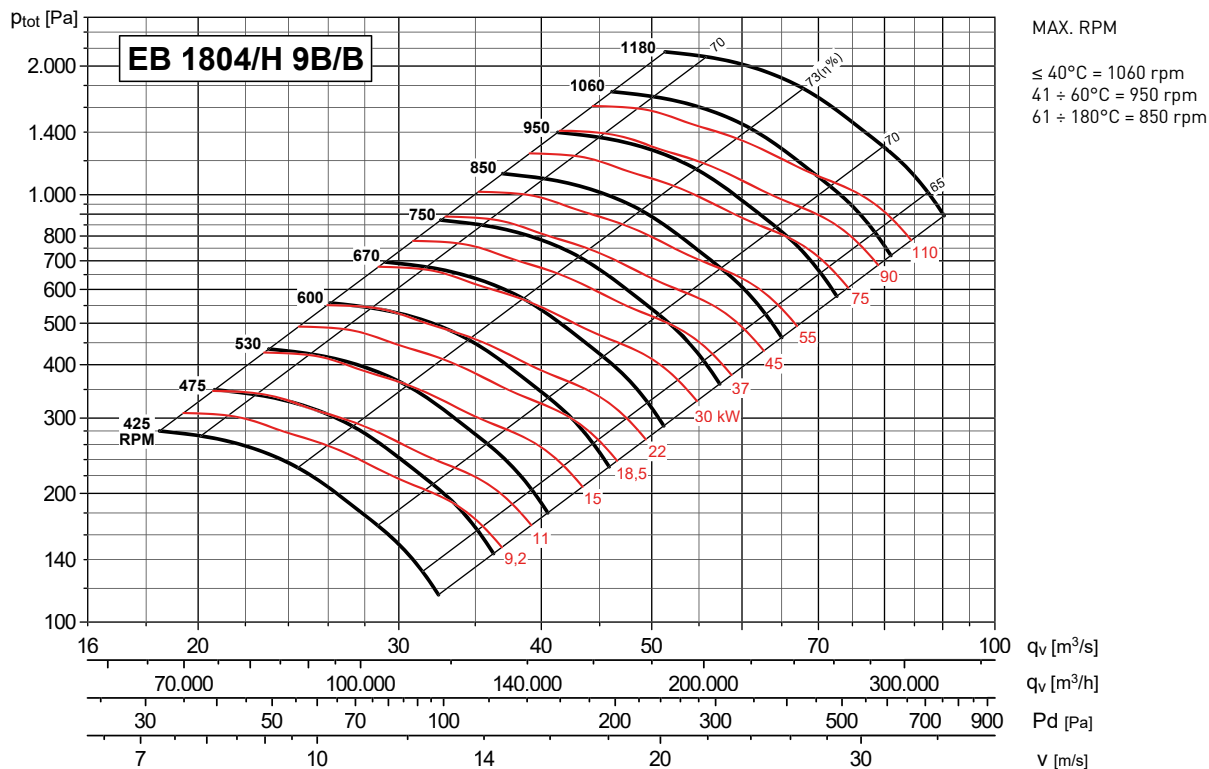
CURVAS CARACTERÍSTICAS (a la descarga) / PERFORMANCE CURVES (at outlet)

- P_{tot}: Presión total en Pa.
- P_{tot}: Total pressure in Pa.

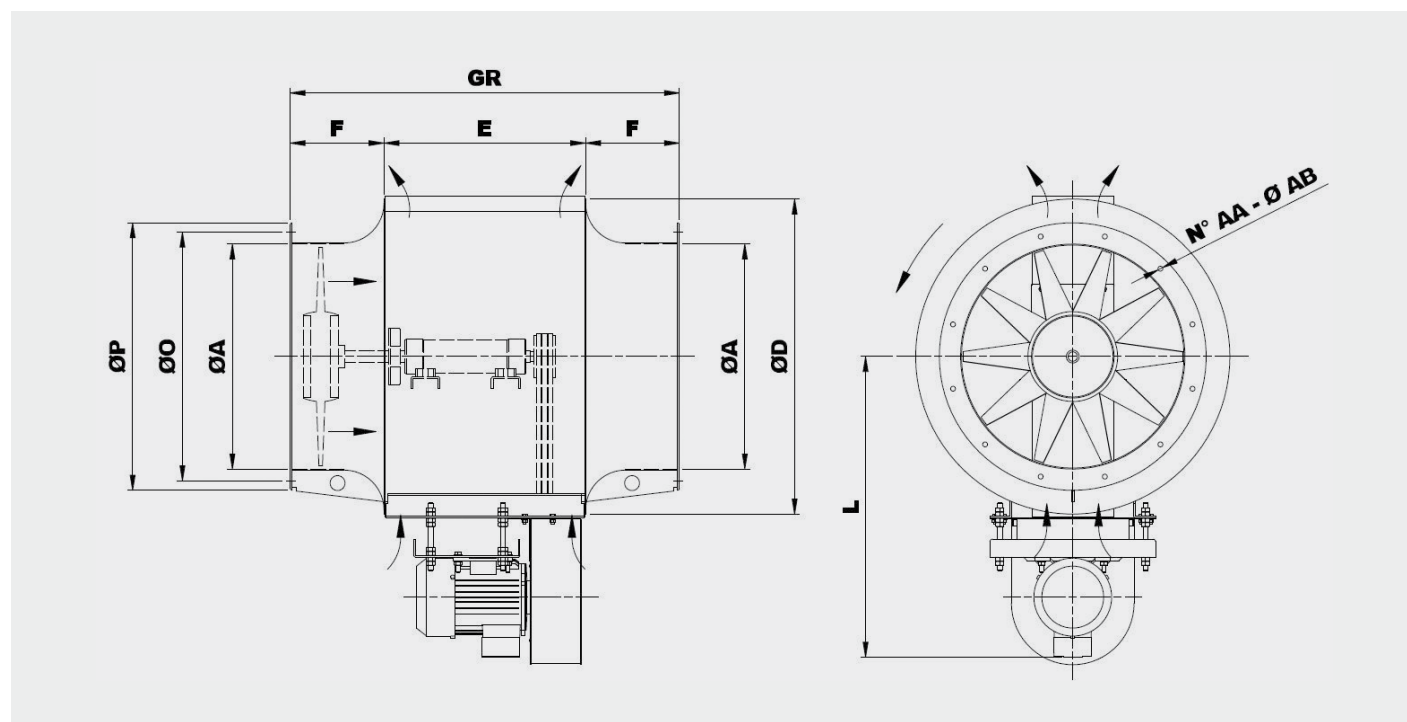


CURVAS CARACTERÍSTICAS (a la descarga) / PERFORMANCE CURVES (at outlet)

- P_{tot}: Presión total en Pa.
- P_{tot}: Total pressure in Pa.



DIMENSIONES (mm) / DIMENSIONS (mm)



Tipo Type		Ventilador Fan										
Ventilador Fan	Motor GR Motor GR	Ø A	Ø B	Ø P	Ø D	E	F	GR	L*	N° AA	Ø AB	kg
EB 354/H 9B/B	71B2	355	405	440	513	400	170	740	480	8	10	42
EB 354/H 9B/B	71B4	355	405	440	513	400	170	740	480	8	10	42
EB 354/H 9B/B	80A2	355	405	440	513	400	170	740	500	8	10	41
EB 354/H 9B/B	80B2	355	405	440	513	400	170	740	500	8	10	43
EB 354/H 9B/B	90L2	355	405	440	513	400	170	740	540	8	10	42
EB 354/H 9B/B	90S2	355	405	440	513	400	170	740	540	8	10	39
EB 404/G 9B/B	71B4	400	448	485	567	400	180	760	530	12	10	47
EB 404/G 9B/B	80A2	400	448	485	567	400	180	760	530	12	10	46
EB 404/G 9B/B	80A4	400	448	485	567	400	180	760	530	12	10	46
EB 404/G 9B/B	80B2	400	448	485	567	400	180	760	530	12	10	48
EB 404/G 9B/B	90L2	400	448	485	567	400	180	760	570	12	10	47
EB 404/G 9B/B	90S2	400	448	485	567	400	180	760	570	12	10	44
EB 454/H 9B/B	100LA2	450	497	535	639	400	190	780	625	12	10	52
EB 454/H 9B/B	112M2	450	497	535	639	400	190	780	635	12	10	48
EB 454/H 9B/B	80B4	450	497	535	639	400	190	780	565	12	10	57
EB 454/H 9B/B	90L2	450	497	535	639	400	190	780	605	12	10	56
EB 454/H 9B/B	90S2	450	497	535	639	400	190	780	605	12	10	53
EB 454/H 9B/B	90S4	450	497	535	639	400	190	780	605	12	10	52
EB 504/G 9B/B	100LA2	500	551	585	708	450	200	850	665	12	10	66
EB 504/G 9B/B	112M2	500	551	585	708	450	200	850	675	12	10	62
EB 504/G 9B/B	80B4	500	551	585	708	450	200	850	605	12	10	70
EB 504/G 9B/B	90L2	500	551	585	708	450	200	850	645	12	10	69
EB 504/G 9B/B	90S2	500	551	585	708	450	200	850	645	12	10	67
EB 504/G 9B/B	90S4	500	551	585	708	450	200	850	645	12	10	65
EB 564/H 9B/B	100LA2	560	629	665	785	450	212	874	705	12	10	80
EB 564/H 9B/B	100LA4	560	629	665	785	450	212	874	705	12	10	81
EB 564/H 9B/B	132SA2	560	629	665	785	450	212	874	715	12	10	59
EB 564/H 9B/B	132SB2	560	629	665	785	450	212	874	760	12	10	81
EB 564/H 9B/B	90L4	560	629	665	785	450	212	874	685	12	10	82
EB 564/H 9B/B	90S4	560	629	665	785	450	212	874	685	12	10	79
EB 634/G 9B/B	100LA4	630	698	735	871	630	212	1054	755	12	10	113
EB 634/G 9B/B	100LB4	630	698	735	871	630	212	1054	755	12	10	115
EB 634/G 9B/B	112M4	630	698	735	871	630	212	1054	765	12	10	109
EB 634/G 9B/B	132SA2	630	698	735	871	630	212	1054	810	12	10	113
EB 634/G 9B/B	90L4	630	698	735	871	630	212	1054	735	12	10	115
EB 634/G 9B/B	90S4	630	698	735	871	630	212	1054	735	12	10	111
EB 714/H 9B/B	100LA4	710	775	815	968	630	224	1078	805	16	12	154
EB 714/H 9B/B	100LB4	710	775	815	968	630	224	1078	805	16	12	156
EB 714/H 9B/B	112M4	710	775	815	968	630	224	1078	815	16	12	150
EB 714/H 9B/B	132MA4	710	775	815	968	630	224	1078	860	16	12	167
EB 714/H 9B/B	132SA4	710	775	815	968	630	224	1078	860	16	12	156
EB 714/H 9B/B	90L4	710	775	815	968	630	224	1078	785	16	12	155

* Según tamaño motor / Depending on motor size

VENTILADORES HELICOIDALES TUBULARES CYLINDRICAL CASED AXIAL FLOW FANS



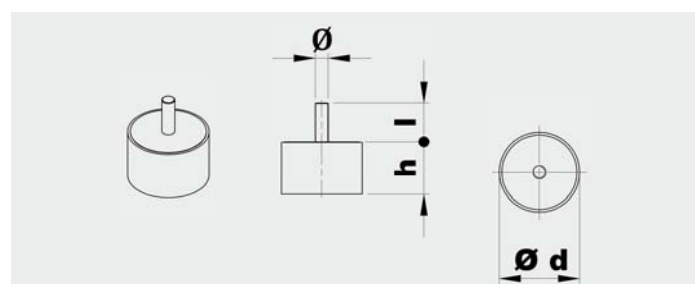
Tipo Type		Ventilador Fan										
Ventilador Fan	Motor GR Motor GR	Ø A	Ø B	Ø P	Ø D	E	F	GR	L*	Nº AA	Ø AB	kg
EB 804/G 9B/B	100LA4	800	861	905	1077	630	250	1130	865	16	12	182
EB 804/G 9B/B	100LB4	800	861	905	1077	630	250	1130	865	16	12	184
EB 804/G 9B/B	112M4	800	861	905	1077	630	250	1130	875	16	12	178
EB 804/G 9B/B	112MA4	800	861	905	1077	630	250	1130	920	16	12	191
EB 804/G 9B/B	132MB4	800	861	905	1077	630	250	1130	920	16	12	195
EB 804/G 9B/B	90L4	800	861	905	1077	630	250	1130	845	16	12	184
EB 904/I 9B/B	100LB4	900	958	1005	1210	630	280	1190	925	16	12	232
EB 904/I 9B/B	112M4	900	958	1005	1210	630	280	1190	935	16	12	226
EB 904/I 9B/B	132MA4	900	958	1005	1210	630	280	1190	980	16	12	243
EB 904/I 9B/B	132MB4	900	958	1005	1210	630	280	1190	980	16	12	263
EB 904/I 9B/B	132SA4	900	958	1005	1210	630	280	1190	980	16	12	232
EB 904/I 9B/B	160M4	900	958	1005	1210	630	280	1190	1050	16	12	237
EB 1004/H 9B/B	100LB4	1000	1067	1107	1347	750	280	1310	995	24	12	291
EB 1004/H 9B/B	112M4	1000	1067	1107	1347	750	280	1310	1005	24	12	285
EB 1004/H 9B/B	132MA4	1000	1067	1107	1347	750	280	1310	1050	24	12	302
EB 1004/H 9B/B	132SA4	1000	1067	1107	1347	750	280	1310	1050	24	12	291
EB 1004/H 9B/B	160L4	1000	1067	1107	1347	750	280	1310	1100	24	12	296
EB 1004/H 9B/B	160M4	1000	1067	1107	1347	750	280	1310	1100	24	12	279
EB 1124/G 9B/B	112M4	1120	1200	1248	1490	750	315	1380	1085	24	12	346
EB 1124/G 9B/B	132MA4	1120	1200	1248	1490	750	315	1380	1130	24	12	363
EB 1124/G 9B/B	132SA4	1120	1200	1248	1490	750	315	1380	1130	24	12	352
EB 1124/G 9B/B	160L4	1120	1200	1248	1490	750	315	1380	1185	24	12	337
EB 1124/G 9B/B	160M4	1120	1200	1248	1490	750	315	1380	1185	24	12	340
EB 1124/G 9B/B	180M4	1120	1200	1248	1490	750	315	1380	1245	24	12	394
EB 1255/F 9B/B	112M4	1250	1337	1380	1670	850	335	1560	1160	24	12	485
EB 1255/F 9B/B	132MA4	1250	1337	1380	1670	850	335	1560	1205	24	12	502
EB 1255/F 9B/B	132SA4	1250	1337	1380	1670	850	335	1560	1205	24	12	491
EB 1255/F 9B/B	160L4	1250	1337	1380	1670	850	335	1560	1260	24	12	496
EB 1255/F 9B/B	160M4	1250	1337	1380	1670	850	335	1560	1260	24	12	479
EB 1255/F 9B/B	180M4	1250	1337	1380	1670	850	335	1560	1310	24	12	533
EB 1406/E 9B/B	132MA4	1400	1491	1540	1870	800	400	1600	1305	32	12	610
EB 1406/E 9B/B	132SA4	1400	1491	1540	1870	800	400	1600	1305	32	12	599
EB 1406/E 9B/B	160L4	1400	1491	1540	1870	800	400	1600	1360	32	12	604
EB 1406/E 9B/B	160MA4	1400	1491	1540	1870	800	400	1600	1360	32	12	587
EB 1406/E 9B/B	180L4	1400	1491	1540	1870	800	400	1600	1400	32	12	656
EB 1406/E 9B/B	180M4	1400	1491	1540	1870	800	400	1600	1400	32	12	641
EB 1604/H 9B/B	160L6	1600	1663	1730	2090	950	450	1850	1470	32	14	600
EB 1604/H 9B/B	180L6	1600	1663	1730	2090	950	450	1850	1470	32	14	579
EB 1604/H 9B/B	200L6	1600	1663	1730	2090	950	450	1850	1560	32	14	610
EB 1604/H 9B/B	200LR6	1600	1663	1730	2090	950	450	1850	1510	32	14	585
EB 1604/H 9B/B	225S4	1600	1663	1730	2090	950	450	1850	1580	32	14	540
EB 1804/H 9B/B	160L6	1800	1856	1930	2320	1060	500	2060	1750	32	14	815
EB 1804/H 9B/B	180L6	1800	1856	1930	2320	1060	500	2060	1640	32	14	799
EB 1804/H 9B/B	200LR6	1800	1856	1930	2320	1060	500	2060	1680	32	14	800
EB 1804/H 9B/B	225M6	1800	1856	1930	2320	1060	500	2060	1700	32	14	715
EB 1804/H 9B/B	250M6	1800	1856	1930	2320	1060	500	2060	1780	32	14	680

* Según tamaño motor / Depending on motor size

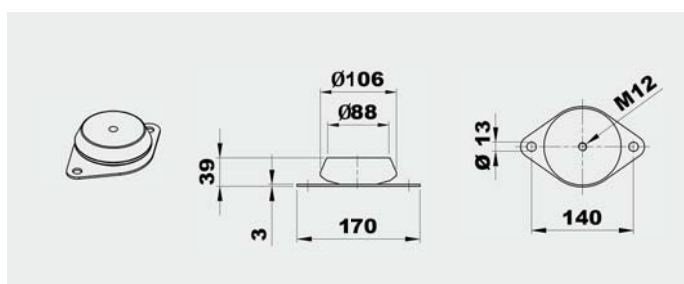
AMORTIGUADORES / SILENT BLOCKS

Amortiguadores recomendados / Suggested silent blocks	
Ventilador / Fan	Ejecución 9 / Arrangement 9
355/H	4 x AM 25 - 25 x 20
400/G	4 x AM 25 - 25 x 20
450/H	4 x AM 30 - 30 x 30
500/G	4 x AM 30 - 30 x 30
560/H	4 x AM 40 - 40 x 30
630/G	4 x AM 40 - 40 x 30
710/H	4 x AM 40 - 40 x 30
800/G	4 x AM 50 - 50 x 40
900/I	4 x AM 75 - 75 x 50
1000/H	4 x AM 75 - 75 x 50
1120/G	4 x AM 75 - 75 x 50
1250/F	4 x AZ 39 - 140 x 39
1400/E	4 x AZ 39 - 140 x 39
1600/H*	4 x AZ 39 - 140 x 39

* Versiones con buje de acero / Models with steel hub



Tipo Type	Carga para 4 soportes / Load for 4 supports (kg)	d	h	Ø	l	Peso / Weight (kg)
AM25	41÷80	25	20	M6	18	0,03
AM30	81÷140	30	30	M8	20	0,05
AM40	141÷224	40	30	M8	23	0,10
AM50	225÷315	50	40	M10	28	0,20
AM75	316÷630	75	50	M12	37	0,50



Tipo Type	Carga para 4 soportes Load for 4 supports (kg)	Peso Weight (kg)
AZ 39	631÷1250	0,7

ACCESORIOS / ACCESSORIES



CA (CFH1) - CFH2 - CFH3
Contrabrida -
Brida plana circular.
*Counter-flange -
Circular flange.*



GA
Junta flexible
aspiración.
*Inlet flexible
connector.*



DP
Regulador de caudal
de aspiración.
*Inlet damper
governor.*



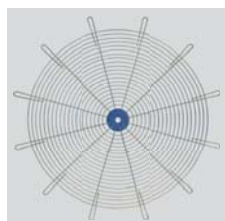
SAD
Compuerta de
regulación de caudal
de descarga.
*Air reducing damper
at outlet.*



SF
Válvula mariposa.
Throttle valve.



DF
Filtro en la
aspiración.
Air filter at inlet.



RC
Rejilla de protección
para la aspiración.
Protection net.



AM/AZ
Soportes
antivibratorios.
Silent blocks.



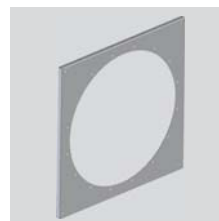
SCSO
Silenciador
cilíndrico.
*Cylindrical sound
attenuator.*



SCCO
Silenciador cilíndrico
con bulbo.
*Cylindrical sound
attenuator with
internal pot.*



SG
Persiana
sobrepresión.
*Overpressure
damper.*



PA
Panel cuadrado.
Square board.



BA
Embocadura de
entrada.
Inlet nozzle.

Ver información completa en "Accesorios de montaje".
For more information see "Mounting accessories".