



Model	CS class	CAL class		FBL class	TT class	TBF class	Casing acoustical insulation at						
		-400 Pa	+700 Pa				125 Hz dB	250 Hz dB	500 Hz dB	1000 Hz dB	2000 Hz dB	4000 Hz dB	8000 Hz dB
Efatar Cold Magic CW-1 (40mm PU)	D1(M)	L1(M)	L1(M)	F9(M)	T2	TB2	20,0	26,0	23,0	29,0	37,0	43,0	52,0
Efatar Cold Magic CW-2 (60mm PU)	D1(M)	L1(M)	L1(M)	F9(M)	T2	TB2	16,0	22,0	23,0	26,0	35,0	44,0	51,0
Efatar Cold Magic CW-3 (80mm PU)	D1(M)	L1(M)	L1(M)	F8(M)	T2	TB2	15,0	22,0	22,0	26,0	35,0	40,0	48,0

EN 1886 Classifications:

#### Casing Strength (CS)

Casing class	Maximum relative deflection [mm×m <sup>-1</sup> ]
D1	4
D2	10
D3	>10

↑ better  
↓ worse

#### Casing Air Leakage (CAL)

Maximum leakage rate at 400 Pa negative pressure

Leakage class of casing	Maximum leakage rate [l×s <sup>-1</sup> ×m <sup>-2</sup> ]	Filter class (EN 779)
L1	0,15	Superior to F9
L2	0,44	F8 and F9
L3	1,32	G1 to F7

↑ better  
↓ worse

Maximum leakage rate at 700 Pa positive pressure

Leakage class of casing	Maximum leakage rate [l×s <sup>-1</sup> ×m <sup>-2</sup> ]	Filter class (EN 779)
L1	0,22	Superior to F9
L2	0,63	F8 and F9
L3	1,90	G1 to F7

↑ better  
↓ worse

#### Filter Bypass Leakage (FBL)

Filter class	G1-F5	F6	F7	F8	F9
Maximum filter bypass leakage rate as % of nominal flow rate*	6	4	2	1	0,5

← worse      better →

\* leakage is the total amount of unfiltered air

#### Thermal Transmittance (TT)

Thermal class	Thermal transmittance U [W×m <sup>-2</sup> ×K <sup>-1</sup> ]
T1	U ≤ 0,5
T2	0,5 < U ≤ 1,0
T3	1,0 < U ≤ 1,4
T4	1,4 < U ≤ 2,0
T5	No requirements

↑ better  
↓ worse

#### Thermal Bridging Factor (TBF)

Thermal class	Thermal bridging factor k <sub>b</sub>
TB1	0,75 ≤ k <sub>b</sub> < 1,00
TB2	0,60 ≤ k <sub>b</sub> < 0,75
TB3	0,45 ≤ k <sub>b</sub> < 0,60
TB4	0,30 ≤ k <sub>b</sub> < 0,45
TB5	No requirements

↑ better  
↓ worse