

**Bellaterra:** 07 of February of 2017  
**Fan range:** CTHT/B and CTVT/B  
**Range report:** 09/32300855  
**Date of range report:** 13 of February of 2009  
**Test sponsor:** SOLER I PALAU SISTEMAS DE VENTILACIÓ  
 C/ Llevant nº4, Parets del Vallès  
 08150 Barcelona (Spain)

Applus LGAI TECHNOLOGICAL CENTER, S.A. has carried out the range report to the following fan models:

1 speed		2 speed	
CTHB- CTVB	CTHT- CTVT	CTHB- CTVB	CTHT- CTVT
4-225	4-225	4/8-225	4/8-225
6-225	6-225	4/8-250	4/8-250
8-225	8-225	4/8-315	4/8-315
4-250	4-250	4/8-400	4/8-400
6-250	6-250		4/8-450
8-250	8-250		6/8-450
4-315	4-315		6/12-450
6-315	6-315		6/8-500
8-315	8-315		6/12-500
4-400	4-400		6/8-560
6-400	6-400		6/12-560
8-400	8-400		6/8-630
	4-450		
	6-450		
	8-450		
	6-500		
	8-500		
	6-560		
	8-560		
	6-630		
	8-630		
	6-710		
	8-710		

Tested model with Soler i Palau motor

Tested model with ABB motor

Tested model to range expansion

Tested model with a new trawl system

All the information and technical justification is on range report 09/32300855 and its annex.

## **CONCLUSION**

As indicated in the technical justification section and after performing the tests according to the UNE EN 12101-3:2002 and UNE EN 12101-3:2002/AC:2006 "Smoke and heat control systems- part 3: Specification for powered smoke and heat exhaust ventilators", the fan range reference CTHT/B and CTVT/B, manufactured by SOLER & PALAU, can be classified as:

- "CTHT/B and CTVT/B" range by Soler i Palau tested with:**
- SOLER I PALAU motors by models from 225 to 400 size
  - ABB motors by models from 450 to 710 size
- 400°C/2h**

**CLASS F 400, 120 minutes**

**Fans placed inside the furnace  
Fans work at least 120 minutes at 400°C**

The range classification obtained is valid in accordance to standard EN 12101-3:2015. The different test reports that make up the range have been evaluated and checked on 07 of January of 2017 in accordance to standard EN 12101-3:2015, satisfying the samples selection requirements, the test requirements and the classification criteria.

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