



## PRESTATIEVERKLARING (DoP) DECLARATION OF PERFORMANCE (DoP)

**BFDC** 



## **DECLARATION OF PERFORMANCE**

No: DoP 722/2019\_1\_EN

1. Unique identifica	tion code of the product-type:	Circular catridge fire damper	Circular catridge fire damper				
2. Identification of	he construction product:	BFDC EI60S	BFDC EI60S				
3. Intended use(s)	of the construction product:	Circular fire damper to be used in	Circular fire damper to be used in conjunction with fire separating elements to maintain fire compartments in HVAC installations.				
4. Name and contact address of the manufacturer: Klimaoprema d.d., Gradna 78A, 10430 Samobor							
5. Not applicable							
6. System of assess	ment and verification of consta	ancy of System 1					
performance of the	construction proudct						
7. In case of the de	claration of performance conce	rning a The notified body 2483 carried or	g plant and of the factory				
construction produc	t covered by a harmonised star	ndard: production control as well as the	the continous surveillance, assessment and evaluation of factory production				
		control under system 1 and issue	ed the Certificate of constancy of performance	ce 2483 - CPR - 10001			
8. Not applicable							
9. Declared perform	ance according to EN 15650:	(Fire resistance according to EN	1366-2 and classifications according to EN 1	3501-3)			
Essential characte	eristics			Performance			
Range	Supporting construction	Supporting construction details	Type of installation	Classification			
		Aerated concrete (≥550kg/m3) ≥100mm and	Gypsum plaster/Mortar	EI 60 (ve i↔o)S (300 Pa)			
	Rigid wall	reinforced concrete (≥230kg/m3) ≥100mm	WEICHSCHOTT	EI 60 (ve i↔o)S (300 Pa)			
			Mineral wool + cover boards	EI 60 (ve i↔o)S (300 Pa)			
ф100 - ф200mm		Plasterboard type 98/48 (GKB) ≥100mm	Mineral wool + cover boards	EI 60 (ve i↔o)S (300 Pa)	<b>_</b>		
(with and without		Plasterboard type 98/48 (GKF) ≥100mm	Gypsum plaster/Mortar	EI 60 (ve i↔o)S (300 Pa)	Harmonised		
valve)			Mineral wool + cover boards	EI 60 (ve i↔o)S (300 Pa)			
			WEICHSCHOTT	EI 60 (ve i↔o)S (300 Pa)			
	Floor/ceiling	Aerated concrete (≥550kg/m3) ≥100mm and reinforced concrete (≥2200kg/m3) ≥100mm	Gypsum plaster/Mortar	EI 60 (ho i↔o)S (300 Pa)			
Type of installation:	built in, 0-360°		·	·	standard		
Nominal activation	conditions/sensitivity according			Passed	m Z		
	- sensing element load bearing						
	- sensing element response to	•		15650:2010			
' '	sing time) according to EN 136		Passed				
Operational reliabili	ty (opening, closing) according	to EN 1366-2:	Passed				
Durability of respon	se delay according to ISO 1029	94-4:	Passed	•			
	- sensing element response to	o temperature and load bearing capacity					
Durability of operat	ional reliability (opening and cl	osing cycle) according to EN 15650:	Passed				
	- Spring						
Protection against of	orrosion according to EN 60068	3-2-52:	NPD				

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performanse is issued under the sole responsibilty of the manufacturer identified in point 4.

Signed for on behalf of the manufacturer by:

Damper blade and casing leakage according to EN 1751:

Sergio Galošić, General manager

Samobor, 7. January 2019

9=5

NPD



## **DECLARATION OF PERFORMANCE**

No: DoP 723/2019\_1\_EN

1. Unique identification code of the product-type:		Circular catridge fire damper	Circular catridge fire damper				
2. Identification of t	he construction product:	BFDC EI90S	BFDC EI90S				
3. Intended use(s)	of the construction product:	Circular fire damper to be used in	Circular fire damper to be used in conjunction with fire separating elements to maintain fire compartments in HVAC installations.				
4. Name and contact address of the manufacturer: Klimaoprema d.d., Gradn			10430 Samobor				
5. Not applicable							
6. System of assessment and verification of constancy of System 1							
performance of the	construction proudct						
7. In case of the de	claration of performance conce	rning a The notified body 2483 carried ou	g plant and of the factory				
construction produc	t covered by a harmonised sta	•	continous surveillance, assessment and evalued the Certificate of constancy of performance	, ·			
8. Not applicable							
9. Declared perform	ance according to EN 15650:	(Fire resistance according to EN 1	1366-2 and classifications according to EN $1$	3501-3)			
Essential characte	eristics			Performance			
Range	Supporting construction	Supporting construction details	Type of installation	Classification			
		Agrated concrete (>EE0kg/m2) >100mm and	Gypsum plaster/Mortar	EI 90 (ve i↔o)S (300 Pa)			
	Rigid wall	Aerated concrete (≥550kg/m3) ≥100mm and reinforced concrete (≥2200kg/m3) ≥100mm	WEICHSCHOTT	EI 90 (ve i↔o)S (300 Pa)			
		Territoriced concrete (£2200kg/m3) £100mm	Mineral wool + cover boards	EI 90 (ve i↔o)S (300 Pa)			
ф100 - ф200mm		Plasterboard type 98/48 (GKB) ≥100mm	Mineral wool + cover boards	EI 60 (ve i↔o)S (300 Pa)			
(with and without		Plasterboard type 98/48 (GKF) ≥100mm	Gypsum plaster/Mortar	EI 90 (ve i↔o)S (300 Pa)	Harmon		
valve)			Mineral wool + cover boards	EI 90 (ve i↔o)S (300 Pa)			
			WEICHSCHOTT	EI 90 (ve i↔o)S (300 Pa)	<u> </u>		
	Floor/ceiling	Aerated concrete (≥550kg/m3) ≥100mm and reinforced concrete (≥2200kg/m3) ≥100mm	Gypsum plaster/Mortar	EI 90 (ho i↔o)S (300 Pa)	ed st		
Type of installation:	built in, 0-360°				andard		
Nominal activation	conditions/sensitivity according	g to ISO 10294-4:	Passed	- <u>-</u> <u></u>			
	- sensing element load bearing	ng capacity					
	- sensing element response t	emperature		56			
Response delay (clo	sing time) according to EN 136	66-2:	Passed	50:			
Operational reliabili	ty (opening, closing) according	j to EN 1366-2:	Passed	15650:2010			
Durability of respon	se delay according to ISO 1029	94-4:	Passed	10			
•	- sensing element response t	to temperature and load bearing capacity					
Durability of operati		losing cycle) according to EN 15650:	Passed				
	- Spring	-					
Protection against c	orrosion according to EN 6006	8-2-52:	NPD				
	•				4		

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performanse is issued under the sole responsibilty of the manufacturer identified in point 4.

Signed for on behalf of the manufacturer by:

Damper blade and casing leakage according to EN 1751:

Sergio Galošić, General manager

Samobor, 7. January 2019

9=5

NPD



## **DECLARATION OF PERFORMANCE**

No: DoP 724/2019\_1\_EN

1. Unique identifica	tion code of the product-type:	Circular catridge fire damper	Circular catridge fire damper				
2. Identification of	the construction product:	BFDC EI120S	BFDC EI120S				
3. Intended use(s)	of the construction product:	Circular fire damper to be used in	Circular fire damper to be used in conjunction with fire separating elements to maintain fire compartments in HVAC installations.				
4. Name and contact address of the manufacturer: Klimaoprema d.d., Gradna 78A, 10430 Samobor							
5. Not applicable							
6. System of assessment and verification of constancy of System 1							
performance of the construction proudct							
7. In case of the declaration of performance concerning a The notified body 2483 carried out the initial inspection of the manufacturing p				g plant and of the factory			
construction produc	ct covered by a harmonised sta	•	production control as well as the continous surveillance, assessment and evaluation of factory production control under system 1 and issued the Certificate of constancy of performance 2483 - CPR - 10003				
8. Not applicable							
9. Declared perform	nance according to EN 15650:	(Fire resistance according to EN 1	1366-2 and classifications according to EN 1	3501-3)			
Essential characte	eristics			Performance			
Range	Supporting construction	Supporting construction details	Type of installation	Classification			
		Accepted concepts (>FFO(cs/m2) > 100mm and	Gypsum plaster/Mortar	EI 120 (ve i↔o)S (300 Pa)			
	Rigid wall	Aerated concrete (≥550kg/m3) ≥100mm and reinforced concrete (≥2200kg/m3) ≥100mm	WEICHSCHOTT	EI 90 (ve i↔o)S (300 Pa)			
		Territoriced concrete (22200kg/m3) 2100mm	Mineral wool + cover boards	EI 90 (ve i↔o)S (300 Pa)			
ф100 - ф200mm		Plasterboard type 98/48 (GKB) ≥100mm	Mineral wool + cover boards	EI 60 (ve i↔o)S (300 Pa)			
(with and without			Gypsum plaster/Mortar	EI 90 (ve i↔o)S (300 Pa)	Harmonis		
valve)		Plasterboard type 98/48 (GKF) ≥100mm	Mineral wool + cover boards	EI 90 (ve i↔o)S (300 Pa)			
			WEICHSCHOTT	EI 90 (ve i↔o)S (300 Pa)	<u>n</u> .		
	Floor/ceiling	Aerated concrete (≥550kg/m3) ≥100mm and reinforced concrete (≥2200kg/m3) ≥100mm	Gypsum plaster/Mortar	EI 90 (ho i↔o)S (300 Pa)	e <u>d</u>		
Type of installation:	built in, 0-360°				standard		
Nominal activation	conditions/sensitivity according	g to ISO 10294-4:	Passed				
	- sensing element load bearing	ng capacity		Z H			
	- sensing element response t			56			
Response delay (clo	osing time) according to EN 136	56-2:	Passed				
Operational reliabili	ity (opening, closing) according	to EN 1366-2:	Passed	15650:2010			
Durability of respon	nse delay according to ISO 1029	94-4:	Passed	<b>10</b>			
	- sensing element response t	to temperature and load bearing capacity					
Durability of operat	<u> </u>	losing cycle) according to EN 15650:	Passed				
, ,	- Spring	- · · · · ·					
Protection against of	corrosion according to EN 60068	8-2-52:	NPD				
				<del></del>			

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performanse is issued under the sole responsibilty of the manufacturer identified in point 4.

Signed for on behalf of the manufacturer by:

Damper blade and casing leakage according to EN 1751:

Sergio Galošić, General manager

Samobor, 7. January 2019

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