# 

# DF-47-NARROW

# Linear nozzles with a medium-to-long throw

# Long throw diffusers



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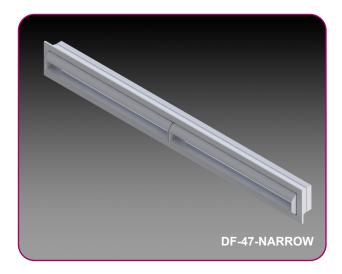
# **INDEX**

2
4
9
10
11



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### **General characteristics**



#### Description

High induction linear diffuser for medium-to-long throw, DF-47-NARROW model, with length L mm and slot H mm for air flow.

Allows ±30° vertical turn of core (linear nozzle), due to a narrow slot that makes it possible to cover medium and long throws, achieving comfort with both cooling and heating and providing an excellent aesthetics.

They are suitable for both ceiling and wall installation. Particularly appropriate for constant air volume, although the design allows excellent operation with variable air volume as well.

The diffusers with 15 and 20 mm slots can be installed in ceilings to discharge horizontally creating the coanda effect (air jet adheres to the ceiling) by turning the nozzle core to the maximum angle. This allows requirements for a long horizontal range to be met when the design conditions of the system do not allow for exposed duct or wall installations.





#### Application

These medium-to-long throw diffusers are very appropriate in cases that require a long-distance air jet or a medium-distance air jet with low sound levels.

They are especially indicated for commercial facilities, mezzanines, shops, residences, etc.

This diffuser is suitable for both supply and return. High-quality aesthetics and performance are further enhanced by alternating the return diffusers with supply diffusers in the same continuous line.

#### **Finishes**

Manufactured entirely of extruded aluminium sections.

The unit can include a directional (-O), directional blades (-G) (not available in slot size 15) volume control damper and plenum box of galvanized steel sheet (internally insulated (-PFA) or uninsulated (-PF)).

There are two types of plenum box: fixed or detachable.

If a plenum box is included, a volume control damper can be included in the connection inlet, annulling the damper (-O).

In the DF-47-NARROW-IC and DF-47-NARROW-CC models, the frame or duct is constructed of galvanized steel and the diffuser is made of aluminium.

Standard finish in anodized or painted in RAL-9010 glossy white.



## **General characteristics**

#### **Models**

DF-47-NARROW - Long throw linear diffuser with manual movement and 20x6 frame. DF-47-NARROW-S - Long throw linear diffuser with manual movement and 14x4 frame. DF-47-NARROW-IC - Long throw linear diffuser integrated in duct. DF-47-NARROW-CC - Long throw linear diffuser with duct adaption.

#### Mounting

The mounting systems available for the diffuser element are shown in detail on page 10.

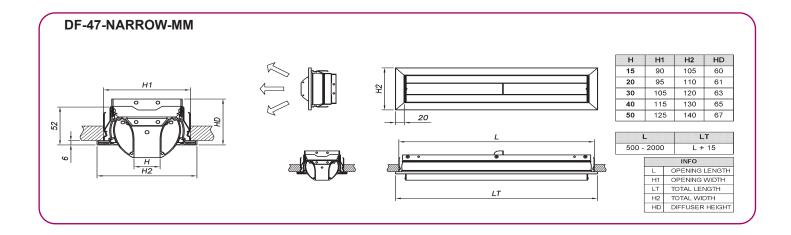
#### **Operating mechanisms**

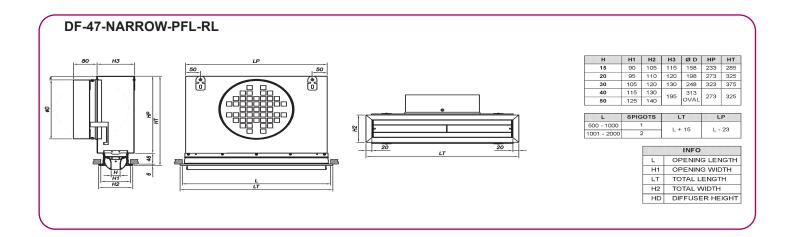
Three drive versions are available:

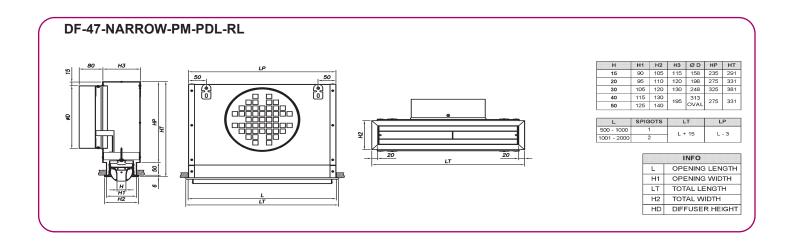
- Manual drive (-M).
- Motorised drive (-MT) moves the diffuser vertically, (up and down) at an angle of approximately ±30. The motorised drive requires one motor for each diffuser, even in multiple units (not available for DF-47-NARROW-LT version).
- Thermally self-adjusting drive (-TR), with a diffuser swivel range of ±30 degrees (not available for DF-47-NARROW-LT version).



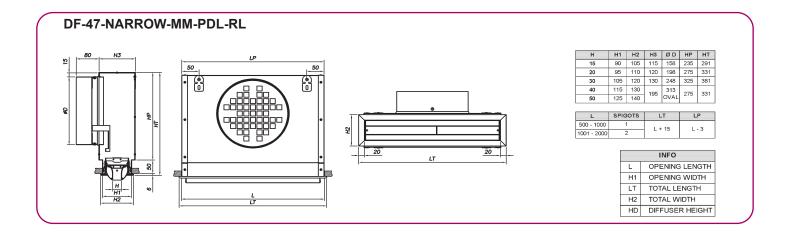


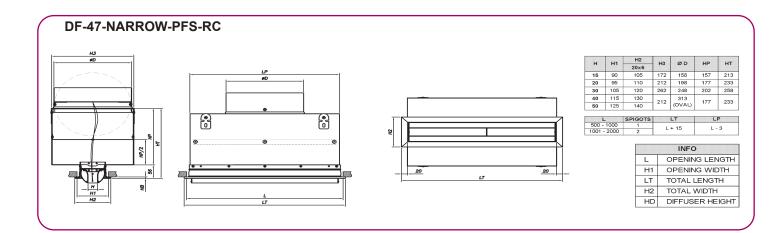




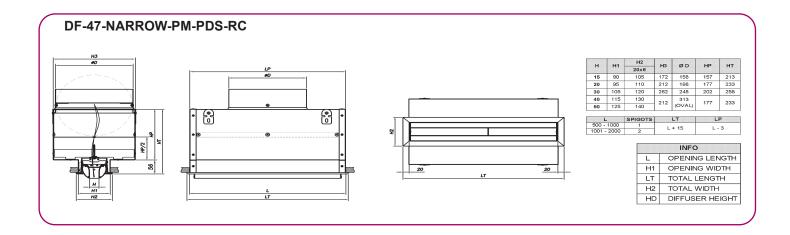


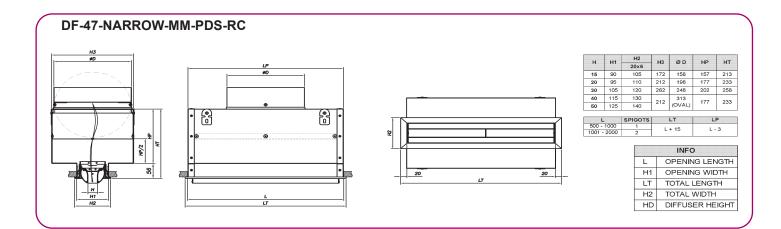




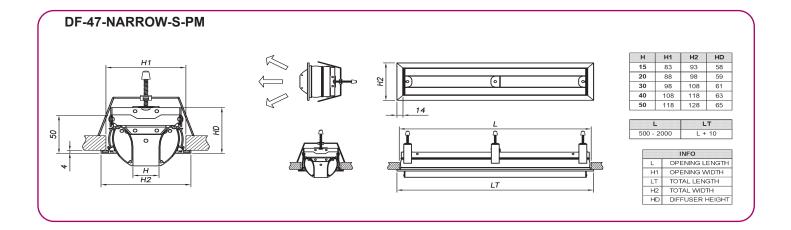


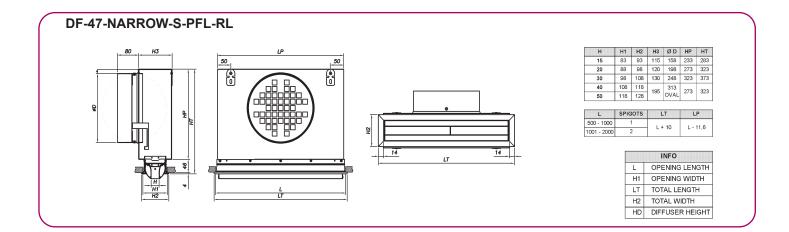


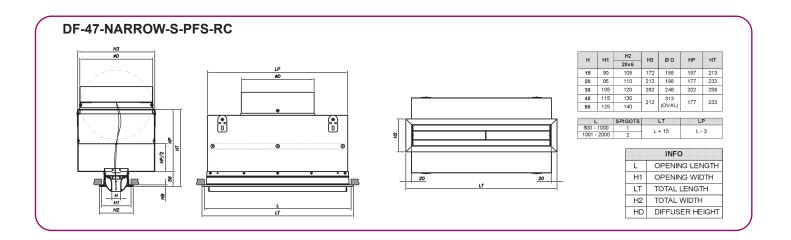




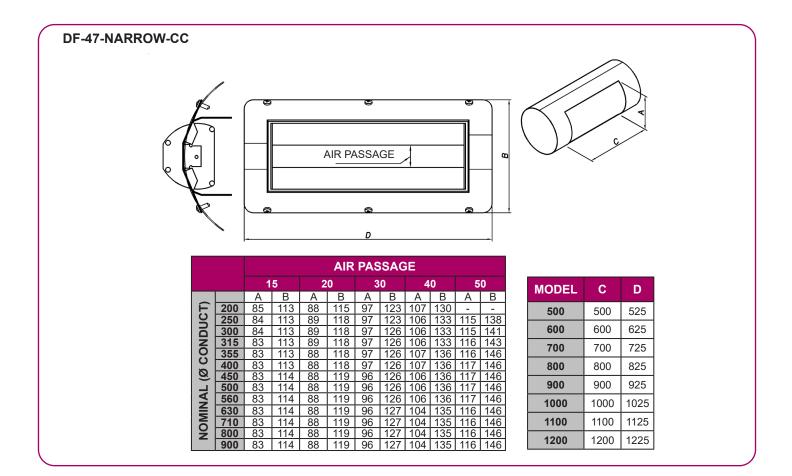


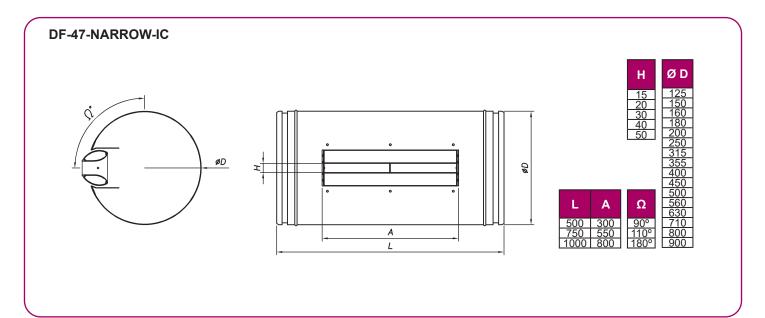








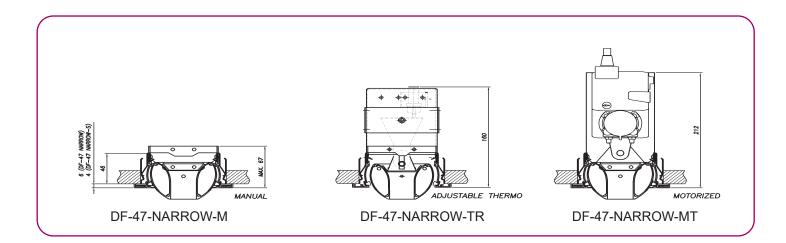




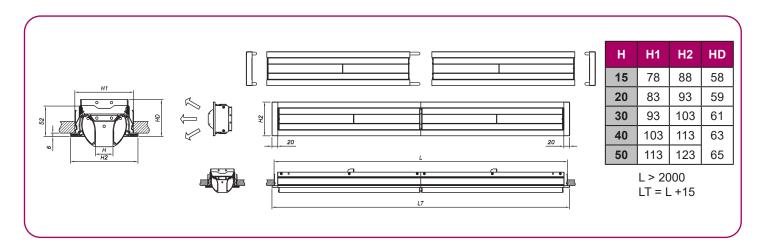


# **Types and connection system**

Types

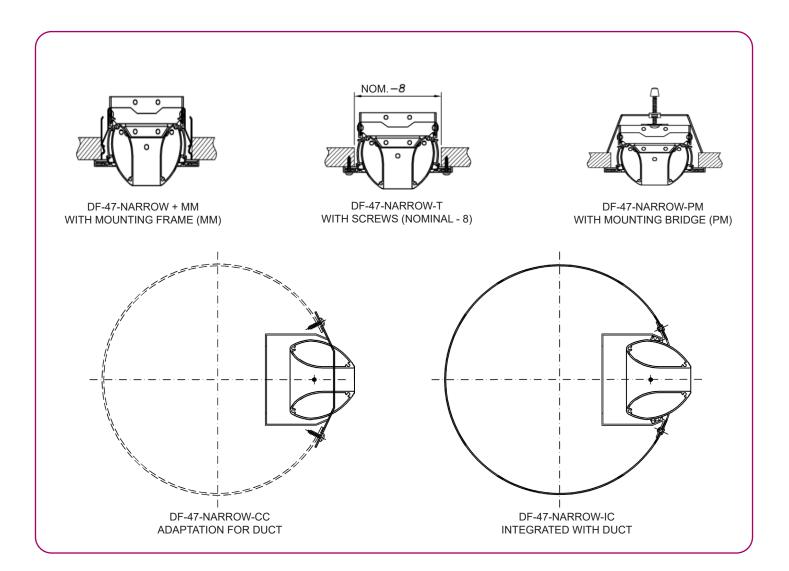


#### **Connection system**





# Mounting





# Codification

1 2 3 4 5 6	7	8	9	10	11	12	13	14
. Model:			8. F	Regula	ation:			
DF-47-NARROW DF-47-NARROW-S DF-47-NARROW-IC DF-47-NARROW-CC		<ul> <li>-SR - without regulating damper</li> <li>-RFS06 - sliding volume control damper</li> <li>-O - opposed blade volume control damper</li> <li>-RL - room-operated volume control damper</li> <li>-RE - control damper at the connection port</li> </ul>						
. Model:			-R	<b>C -</b> ro	pe con	trol damper		
-M - Manual -TR - Thermo adjustable		9. Components 3:						
-MT - Motorised							l sheet painted in erforated steel	RAL-9005
B. Length:			10.	Cons	tructio	n:		
- <b>I. Air passage:</b> Air passage 15 Air passage 20			-M -T	<b>IM -</b> w - with	ith mou drill hc	nstallation ad Inting frame Iles nting frame		
Air passage 20 Air passage 30 Air passage 40 Air passage 50					ponent	s 4:		
. Frame:			-G	vithout i - v				
			-G	i <b>P -</b> wi	th G pa	inted in RA	L-9005	
Frame 20x6 Frame 14x6			12.	Adjus	stment	angle 1:		
. Components 1:			Co	ooling	angle			
<b>SP</b> - without plenum box <b>PFL</b> - fixed side entry plenum box			13.	Adjus	stment	angle 2:		
PFS - top fixed plenum box			He	eating	angle			
<b>PDL -</b> demountable side entry plenum box <b>PDS -</b> demountable top entry plenum box			14.	Treat	ment:			
7. Components 2:			RA	AL-900	05 glos 05 matt			
-K - uninsulated -A - insulated			RAL-9010 glossy RAL-9010 matt Anodised					

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CEN-DF47NARROW-0424-00 Long throw diffusers



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