

## Limit lengths, supply air flue gas systems for gas condensing appliances

Model	Power kW	Boiler connection, connection pipe <sup>3)</sup> concentric	Riser				
			Shaft <sup>1)</sup>				
			DN	single walled, flue gas			
				RLA <sup>2)</sup>		RLU <sup>2)</sup>	
rigid	flexible	rigid	flexible				
PEGA 15 - 35	2.8 - 35.7	DN80/125	60	18 m	14 m	16 m	12 m
			80	30 m	25 m	30 m	25 m
TANTUM 15, 25, 35	4 - 22.5	DN80/125	60	17 m	14 m	15 m	13 m
			80	30 m	30 m	30 m	27 m

Model	Power kW	Boiler connection, connection pipe <sup>3)</sup> concentric	Riser				
			Roof mounted central heating equipment		External wall installation		
			DN	concentric, supply air/ flue gas	DN	concentric, supply air/ flue gas	
						RLA <sup>2)</sup>	RLU <sup>2)</sup>
PEGA 15 - 35	2.8 - 35.7	DN80/125	60/100	9 m	80/125	12 m	18 m
			80/125	30 m			
TANTUM 15, 25, 35	4 - 22.5	DN80/125	60/100	8 m	80/125	30 m	30 m
			80/125	30 m			

1) Shaft size: 120 mm x 120 mm for DN60; 140 mm x 140 mm for DN80

2) RLA = non-room sealed; RLU = room sealed

3) Connection pipe 1m, 2x 87° bend

Basis of calculation: see PEGA and TANTUM technical data

## Cascade kit and multiple assignment

Available from us on request!  
Can be individually put together to meet your needs!

## Limit lengths, supply air flue gas systems for INTEGRA oil and gas condensing boilers

Basis of calculation

INTEGRA 36: Mass flow: 14.9g/s; residual head: 22Pa; TAbgas: 60°C  
 INTEGRA 60: Mass flow: 25.7g/s; residual head: 22Pa; TAbgas: 90°C

Non-room sealed operation

INTEGRA	Power kW	Connection pipe		Riser in the shaft		External wall DN/DN - height
		RLA	RLU	rigid	flexible	
		DN	DN/DN	DN height	DN height	
36_13	13.6 - 36.0	80	80/125	80 - 26m	80 - 21m	80/125 - 24m
36_19	14.3 - 22	80	80/125	80 - 26m	80 - 21m	80/125 - 24m
36_25	23.8 - 27.5	80	80/125	80 - 24m	80 - 19m	80/125 - 20m
36_33	28.6 - 33	80	80/125	100 - 26m	100 - 15m	100/150 26m
60_37	35.8 - 41.3	80	80/125	100 - 26m	100 - 20m	100/150 24m
60_44	40.5 - 46.8	100	80/125	100 - 30m	100 - 25m	100/150 22m
60_52	47.7 - 55.1	100	80/125	100 - 30m	100 - 25m	100/150 22m

RLA = non-room sealed

RLU = room sealed

DN = nominal diameter

General information:

Connection pipe consists of 2 each 87° bends and extended length 2m and height difference 1m calculated for square shafts with minimum size to DIN18160 of 20mm (information not valid for round shafts and larger annular gap).

Support bends approved for vertical heights up to 30m. In case of larger heights, a fixing clamp on the support bend socket must be installed on site.

For external wall systems, air intake 1m maximum above bottom 87° bend.