



# Underfloor Air Distribution Linear Terminal

MODEL: **CLEMIT**

## DESCRIPTION:

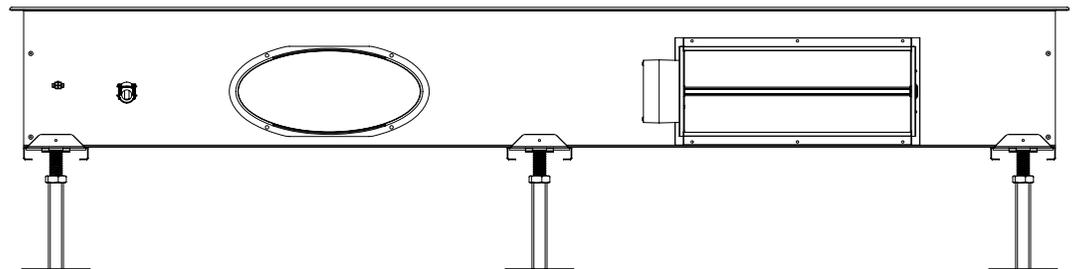
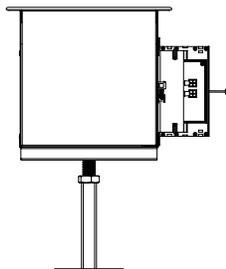
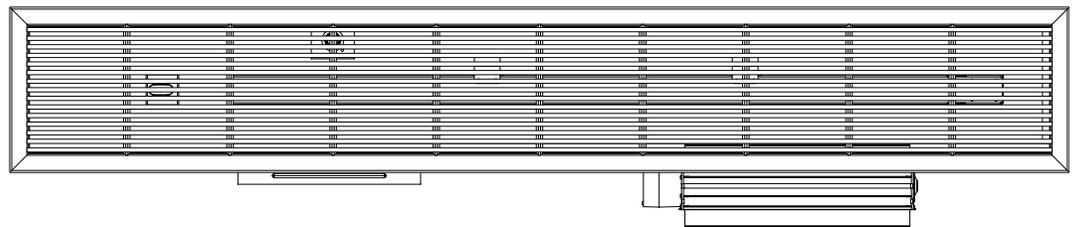
**CLEMIT (Continuous Linear Electric Modular Integrated Terminal)** is an electric heating / air cooling linear diffuser package, for use in raised access floor systems. The underfloor terminal features 20 gauge (1mm) galvanized steel construction, pre-painted flat black.

The sheathed-type electric heater is available up to 3.0kW standard, with additional custom sizes available (specify on order). A 24VAC control transformer will power other devices up to standard 40VA (100VA option available). A single-point electrical power connection and unit-mounted disconnect are included.

Optional air valves use time modulation to vary total air supplied to a conditioned space. Air velocity is constant any time the valve is open; the short time duration between open/close cycles produces the effect of continuous air delivered to the occupied space. They are rated for 24V (18-30VAC) operation; one (1) PAP-1 Plug & Play Cable is included per air valve. Optional extended high performance air valves are available (specify on order).

Optional duct connections are available in multiple sizes and configurations. Ducted air flow capacity is derived from the source; output is dependent on ducting arrangement and fan capability.

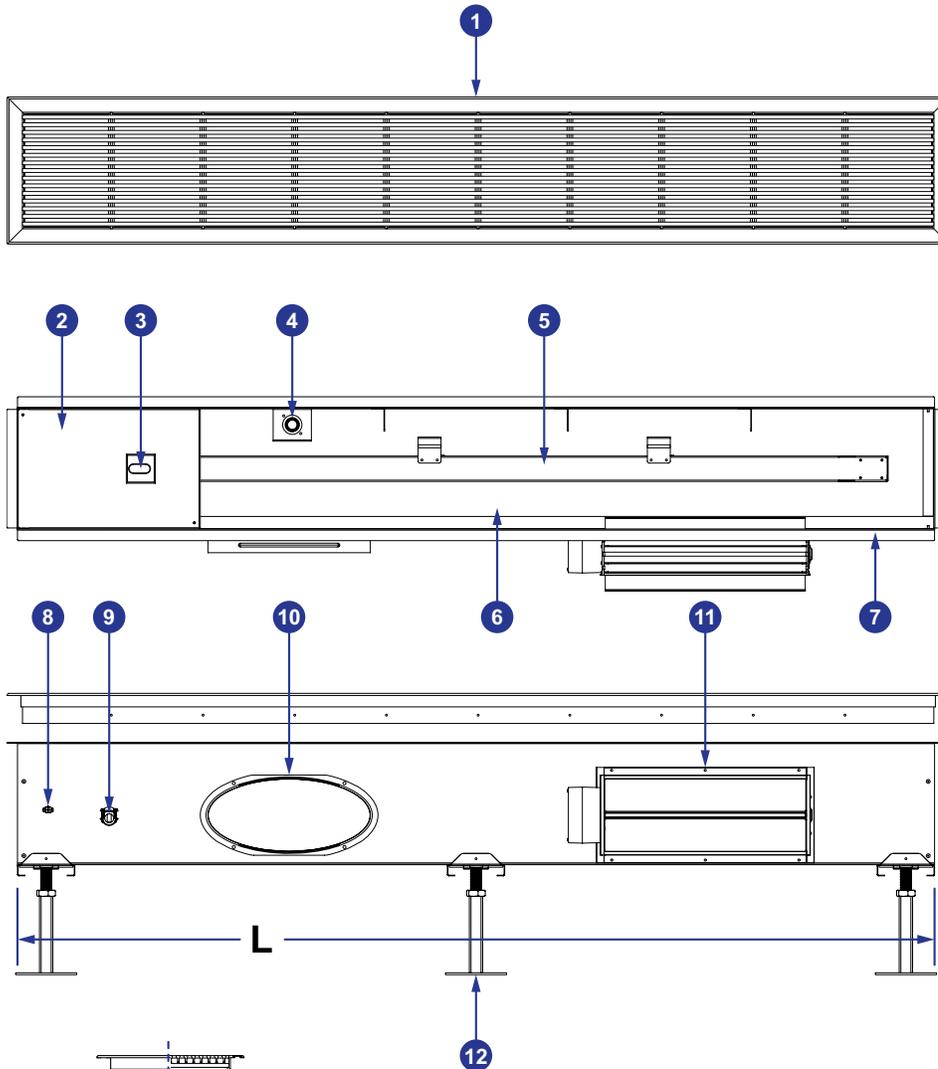
The linear grille is available as extruded aluminum or stainless steel, in a variety of sizes and configurations. Ten (10) standard colors are available; custom colors and finishes can be provided to match architectural design (specify on order).



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UNIT DETAIL:



1. Linear grille  
(optional extruded aluminum or stainless steel; specify on order)
2. Controls housing
3. Disconnect switch
4. Thermistor / thermal cutout
5. Sheathed electric heating element  
(0.5–3.0kW; specify on order)
6. 20 gauge (1mm) galvanized steel casing, pre-painted black
7. 3/4" (19mm) support flanges  
(optional; specify on order)
8. Plug & play control cable moxex connection
9. Line power connection clamp
10. Duct connections  
(optional; specify on order)
11. VAV air valves  
(optional; specify on order)
12. Support pedestals / brackets on nominal 36" (914mm) centers  
(optional; specify on order)

L	STANDARD LENGTH OPTIONS								
in	24	36	48	60	72	84	96	108	120
mm	610	914	1219	1524	1829	2134	2438	2743	3048

W	STANDARD WIDTH OPTIONS				H	STANDARD HEIGHT OPTIONS			
in	6	8	10	12	in	6	8	10	12
mm	152	203	254	305	mm	152	203	254	305

ALL DIMENSIONS NOMINAL ± 0.1" (2.5mm)



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### FEATURES:

- 20 gauge (1mm) galvanized steel terminal housing, pre-painted flat black
- Optional terminal dimensions available (specify on order)
- Multiple grille configurations available
  - Extruded aluminum / stainless steel (304 / 316 Series)
  - Ten (10) standard colors; additional colors and finishes available at architect's choice (specify on order)
- Optional support pedestals / brackets (brackets factory mounted; pedestals furnished loose for field installation)
- Optional 3/4" (19mm) support flanges
- Optional air valves (maximum size / number of air valves based on unit length)
  - DC synchronized magnetic motor
  - Factory programmed multi-function circuit board for varying control strategies
  - Modular Plug & Play power and control connections
- Optional duct connections (size, shape, quantity)
- Modular Plug & Play power and control connections
- Sheathed electric heating element (0.5–3.0kW standard, based on terminal / element length)
- Single-point power connection for assembly
- 40VA control transformer (100VA optional)
- Low temperature finned heating elements
- ETL listed, fully certified to UL standards
- "Heating-Only" option available
- Meets all NEC requirements
- Includes NEMA-1 enclosure
- Main supply fusing

### SPECIFICATIONS:

<b>Application:</b>	Underfloor Heating / Cooling   Raised Access Floor Systems
<b>Terminal Dimensions:</b>	Specify on Order
<b>Terminal Construction:</b>	Galvanized Steel   20 Gauge (1mm)   Pre-Painted Black
<b>Grille Configuration:</b>	Extruded Aluminum   304 / 316 Series Stainless Steel (Specify on Order)
<b>Heating Capacity:</b>	0.5–3.0kW (Specify on Order)
<b>Standard Capacity:</b>	13" (330mm) Standard air Valve   150 cfm @ 0.05 in. w.c. (255 m <sup>3</sup> /hr @ 12.5 Pa)
<b>Air Flow (Nominal)</b>	OPTIONAL: 2 Air Valves = 300 cfm (510 m <sup>3</sup> /hr)   Minimum Trough Size: 4' (1.2m) 3 Air Valves = 450 cfm (765 m <sup>3</sup> /hr)   Minimum Trough Size: 6' (1.8m) 4 Air Valves = 600 cfm (1020 m <sup>3</sup> /hr)   Minimum Trough Size: 7' (2.1m) 5 Air Valves = 750 cfm (1275 m <sup>3</sup> /hr)   Minimum Trough Size: 8' (2.4m)
<b>High Capacity:</b>	22" (559mm) Extended Air Valve   300 cfm @ 0.05 in. w.c. (510 m <sup>3</sup> /hr @ 12.5 Pa)
<b>Air Flow (Nominal)</b>	OPTIONAL: 2 Air Valves = 600 cfm (1020 m <sup>3</sup> /hr)   Minimum Trough Size: 6' (1.8m) 3 Air Valves = 900 cfm (1530 m <sup>3</sup> /hr)   Minimum Trough Size: 8' (2.4m) 4 Air Valves = 1200 cfm (2040 m <sup>3</sup> /hr)   Minimum Trough Size: 10' (3.0m)



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**ELECTRICAL PERFORMANCE:**

1. 120V (120/1/60) | 277V (277/1/60)
  - Single Phase units require 3 conductors: Line / Neutral / Ground
2. 240V (240/1/60)
  - Single Phase units require 3 conductors: Line1 / Line2 / Ground
3. 208V (208/1/60)
  - Single Phase 208V requires 4 conductors: Line1 / Line2 / Neutral / Ground

Additional Voltages / 50Hz capabilities available on request.

PRODUCT DESCRIPTION		PRIMARY VOLTAGE / PH		MAXIMUM HEAT OUTPUT	HEATER AMPS	MCA	MOP	
				KW				
CLEMIT	12	005	120	1	0.5	4.2	5.2	10
		010	120	1	1.0	8.3	10.4	15
		015	120	1	1.5	12.5	15.6	20
		020	120	1	2.0	16.7	20.8	25
		030	120	1	3.0	25.0	31.3	35
	20	005	208	1	0.5	2.4	3.0	5
		010	208	1	1.0	4.8	6.0	10
		015	208	1	1.5	7.2	9.0	10
		020	208	1	2.0	9.6	12.0	15
		030	208	1	3.0	14.4	18.0	20
	24	005	240	1	0.5	2.1	2.6	5
		010	240	1	1.0	4.2	5.2	10
		015	240	1	1.5	6.3	7.8	10
		020	240	1	2.0	8.3	10.4	15
		030	240	1	3.0	12.5	15.6	20
	27	005	277	1	0.5	1.8	2.3	5
		010	277	1	1.0	3.6	4.5	5
		015	277	1	1.5	5.4	6.8	10
		020	277	1	2.0	7.2	9.0	10
		030	277	1	3.0	10.8	13.5	15



# Underfloor Air Distribution Linear Terminal

MODEL:

## CLEMIT

**CLE - 06 - 024 - 06 - 00 - 12 - 05 - 1 V S**

**PRODUCT DESCRIPTION**  
**C**ontinuous  
**L**inear  
**E**lectric Heating

**TERMINAL WIDTH**  
**06** = 6" (152mm)  
**08** = 8" (203mm)  
**10** = 10" (254mm)  
**12** = 12" (305mm)

**TERMINAL LENGTH**  
**024** = 24" (610mm)  
**036** = 36" (914mm)  
**048** = 48" (1219mm)  
**060** = 60" (1524mm)  
**072** = 72" (1829mm)  
**084** = 84" (2134mm)  
**096** = 96" (2438mm)  
**108** = 108" (2743mm)  
**120** = 120" (3048mm)

**TERMINAL HEIGHT**  
**06** = 6" (152mm)  
**08** = 8" (203mm)  
**10** = 10" (254mm)  
**12** = 12" (305mm)

**TERMINAL FLANGE CONFIGURATION**  
**00** = Fully Flangeless  
**20** = Two (2) Flanges (Long Sides Only)  
**3L** = Three (3) Flanges (Long Sides + Left End)  
**3R** = Three (3) Flanges (Long Sides + Right End)  
**40** = Four (4) Flanges (All Sides + Ends)

**ELECTRICAL VOLTAGE**  
**12** = 120V (120/1/60)  
**20** = 208V (208/1/60)  
**24** = 240V (240/1/60)  
**27** = 277V (277/1/60)

**OPENING DIMENSION**  
*Air Valve (Length)*  
**S** = Standard Capacity (13")  
**L** = High Capacity (22")  
*Duct Connection (Ellipsoid / Round Diameter) (Rectangle Height)*  
**A** = 4"  
**B** = 5"  
**C** = 6"  
**D** = 7"  
**E** = 8"  
**F** = 9"  
**G** = 10"  
**H** = 11"  
**I** = 12"

**OPENING DESCRIPTION**  
**V** = VAV Air Valve  
*Duct Connection*  
**L** = Ellipsoid  
**R** = Round  
*Duct Connection (Rectangle Width)*  
**A** = 4"  
**B** = 5"  
**C** = 6"  
**D** = 7"  
**E** = 8"  
**F** = 9"  
**G** = 10"  
**H** = 11"  
**I** = 12"

**AIR FLOW OPENINGS**  
**1** = One (1) Opening  
**2** = Two (2) Openings  
**3** = Three (3) Openings  
**4** = Four (4) Openings  
**5** = Five (5) Openings

**HEATING OPTIONS**  
**05** = 0.5kW Electric Element  
**10** = 1.0kW Electric Element  
**15** = 1.5kW Electric Element  
**20** = 2.0kW Electric Element  
**30** = 3.0kW Electric Element