Ferroli

DECLARATION OF PERFORMANCE

1. **Production Type ID Code:**
   Towel Radiator TALIA

2. **Type, batch or serial number or any other element allowing identification of the construction:**
   The serial number is passed to the label.

3. **Intended use or uses of the construction product:**
   Uses as heat source with hot water and steam.

4. **Manufacturer:**
   HİRA HAVLUPAN METAL MADEN. PETR. İNŞ. LOJ. SAN. VE TİC. LTD. ŞTİ. Topçalı Mah. Gazi Temel
   Göktekin Sk. No:93/A Kdz.Ereğli/ZONGULDAK

5. **Authorized Representative:**
   Does not apply

6. **Performance Evaluation and Validation System:**
   Construction Materials Directive 305-2011-EEC Regulation Requirement SYSTEM 3

7. **Harmonized Standarts:**
   TS EN 442-1 / TS EN 442-2
   Aydınlı Mah. Gülennür Sok. No:7 34953 Tuzla / ISTANBUL TSE EN ISO/IEC 17025 AB-0001-T 353039 08-17

8. **Declared Performance:**

Main Characteristics	Performance	Harmonized technical specification
Fire resistance	A1	
Sealing under pressure	No leakage under pressure at 1.3 x maximum operating pressure (kPa)	
Surface temperature	The highest 110°C	
Resistance to pressure	No break at 1,69 x maximum operating pressure (kPa) Highest operating pressure: 700 kPa	EN 442-1:2014
Declared heat outputs	$\Phi\Delta T_{30}=120{,}4$ W $\Phi\Delta T_{50}=220{,}2$ W	
Heat outputs under different operating conditions (characteristic curve)	$\Phi=2{,}1646 \times \Delta T^{1{,}1815}$	
Durability in terms of:		
Corrosion resistance	No corrosion after 100 hours moisture test	
Resistance to small impacts	Class 0	

9. The building material described above has a declared performance group. This performance statement, which is prepared in accordance with the Construction Material Directive (305/2011 / EEC), is published solely under the responsibility of the manufacturer as defined above.
   Signed by and in the mane of the manufacturee by:
   Mihai Matache, General Manager of Ferroli Romania
   Bucharest, on May 7, 2025

Diameter pipe (mm)		22 mm		TS EN 442-1	
Essential Chracteristic	Performance	Essential Chracteristic	Performance	Essential Chracteristic	Performance
Dimensions (width x height) mm	300x 700	Heat output 75/65/20 °C	186 W	Heat Equation Sheet	
	300x 800		224 W		
	300x 1000		330 W		
	300x 1500		418 W		
	300x 1750		485 W		
	400x600		245 W		$\Phi = 2{,}1646 \times \Delta T^{1,1815}$
	400x800		314 W		$\Phi = 2{,}7963 \times \Delta T^{1,1859}$
	400x1000		370 W		$\Phi = 3{,}4107 \times \Delta T^{1,1903}$
	400x1200		452 W		$\Phi = 4{,}0116 \times \Delta T^{1,1947}$
	400x1400		520 W		$\Phi = 4{,}6016 \times \Delta T^{1,1991}$
	400x1600		602 W		$\Phi = 5{,}1823 \times \Delta T^{1,2035}$
	400x1800		684 W		$\Phi = 5{,}7552 \times \Delta T^{1,2079}$
	450x700		247 W		
	450x800		302 W		
	450x1000		357 W		
	450x1200		426 W		
	450x1500		564 W		
	500x600		293 W		$\Phi = 2{,}5468 \times \Delta T^{1,1841}$
	500x800		374 W		$\Phi = 3{,}3156 \times \Delta T^{1,1874}$
	500x1000		437 W		$\Phi = 4{,}0686 \times \Delta T^{1,1908}$
	500x1200		535 W		$\Phi = 4{,}8092 \times \Delta T^{1,1941}$
	500x1400		616 W		$\Phi = 5{,}5397 \times \Delta T^{1,1975}$
	500x1600		713 W		$\Phi = 6{,}2617 \times \Delta T^{1,2009}$
	500x1800		811 W		$\Phi = 6{,}9762 \times \Delta T^{1,2042}$
	600x600		341 W		$\Phi = 2{,}9291 \times \Delta T^{1,1866}$
	600x800		433 W		$\Phi = 3{,}8350 \times \Delta T^{1,1889}$
	600x1000		505 W		$\Phi = 4{,}7266 \times \Delta T^{1,1912}$
	600x1200		619 W		$\Phi = 5{,}6068 \times \Delta T^{1,1935}$
	600x1400		711 W		$\Phi = 6{,}4778 \times \Delta T^{1,1959}$
	600x1600		825 W		$\Phi = 7{,}3409 \times \Delta T^{1,1982}$
	600x1800		938 W		$\Phi = 8{,}1972 \times \Delta T^{1,2005}$
	700x800		433 W		
	700x1200		673 W		
	700x1750		933 W		
	750x1000		537 W		
	750x1200		639 W		
	750x1500		855 W		
	750x1750		989 W		