

10.9kW¹ Industrial Process Chiller – Model TAL57

PRODUCT

TAL57



The TAL57 is a high-performance industrial glycol chiller designed to provide reliable and efficient cooling for demanding process cooling applications. Delivering up to 10.9kW of cooling capacity, the unit incorporates a generous 50-litre integral buffer tank and high-performance 2.7 Bar circulation pump, providing a complete, ready-to-install cooling solution for industrial environments.

Engineered for long-term reliability, the TAL57 features a non-ferrous water circuit as standard. This premium design helps minimise corrosion, maintain fluid quality and reduce maintenance requirements, offering a significant advantage over many competing chillers that utilise ferrous components within the cooling circuit.

Manufactured in Italy by nVent HOFFMAN, a global leader in industrial thermal management solutions, the TAL57 combines robust European engineering with dependable industrial performance. Featuring weatherproof construction suitable for both indoor and outdoor installation, the unit is designed to withstand demanding operating conditions while delivering consistent temperature control year-round.

Suitable for a wide variety of industrial process cooling applications, the TAL57 provides accurate and dependable temperature control where reliability and continuous operation are essential.

INDUSTRY STANDARDS

CE; UKCA

PRODUCT ATTRIBUTES

Cooling Duty @ 15°C Fluid, 32°C Ambient:	6.0kW
Cooling Duty @ -4°C Fluid, 20°C Ambient:	3.9kW
Refrigerant:	R134a
Settable Fluid Temperature Range:	-5°C to +15°C
Nominal Fluid Flow Rate:	1,032 Litres/Hour
Ambient Temperature Operating Range:	-10°C to +45°C
Internal Pump Nominal Pressure:	2.7 Bar
Internal Tank Capacity:	50 Litres
Connection Sizes:	3/4" BSP(F)
Power:	400V / 3Ph / 50Hz
Full Load Amps:	12 Amps
Dimensions (mm):	1317 (H) x 740 (L) x 600 (W)
Net Weight:	160kg
Suitable for:	Indoor or Outdoor Installation

¹ Maximum possible cooling capacity.

KEY FEATURES & BENEFITS

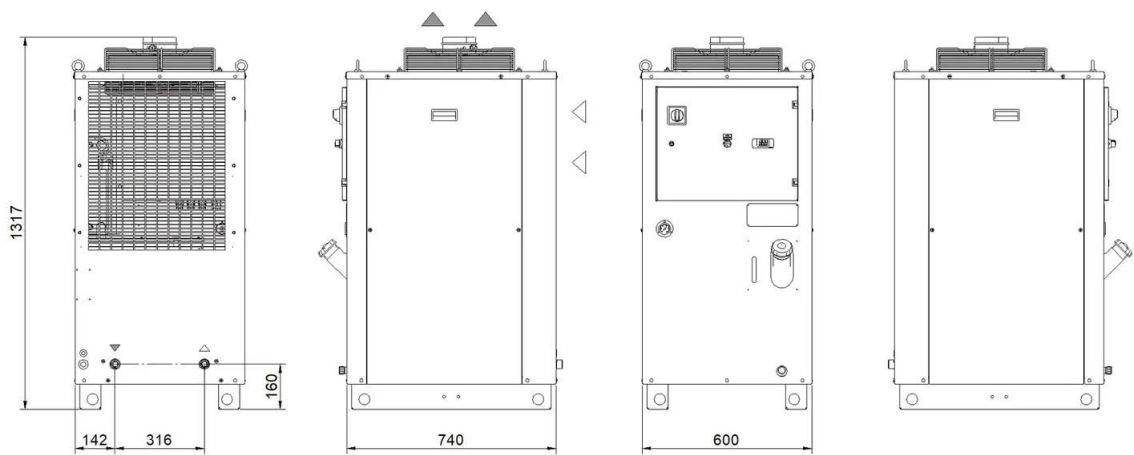
- Cooling capacity up to 10.9kW
- Non-ferrous water circuit for enhanced corrosion resistance
- Integral 50-litre buffer tank
- High-performance 2.7 Bar circulation pump
- Weatherproof construction suitable for indoor or outdoor installation
- Industrial 400V three-phase power supply
- Manufactured in Italy by nVent HOFFMAN
- Reliable industrial-grade construction
- Ideal for a wide range of process cooling applications

CERTIFICATIONS



ADDITIONAL PRODUCT DETAILS

Note: Items are customisable, contact Nexus to configure.



Correction factors for calculating the cooling power												
Water outlet temperature	Fw	°C	8 10 15 20 25									
		factor	0.69	0.77	1	1.22	1.44					
Ambient temperature	Fa	°C	15 20 25 32 35 40 45									
		factor	1.26	1.2	1.11	1	0.95	0.87	0.8			
Percentage glycol by weight	Fg	%	0	10	15	20	25	30	35	40		
		factor	1	0.96	0.95	0.94	0.93	0.91	0.9	0.88		
Cooling power = Nominal cooling power x Fw x Fa x Fg												
*10,900 W is the maximum achievable cooling capacity for Size 1 three phase chillers.												