

58.9kW¹ Industrial Process Chiller – Model TALC5

PRODUCT

TALC5



The TALC5 is a high-performance industrial glycol chiller designed to provide reliable and efficient cooling for demanding process cooling applications. Delivering up to 58.9kW of cooling capacity, the unit incorporates a generous 130-litre integral buffer tank and high-performance 3 Bar circulation pump, providing a complete, ready-to-install cooling solution for industrial environments.

Engineered for long-term reliability, the TALC5 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 TALC5 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 TALC5 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:	35.8kW
Cooling Duty @ -4°C Fluid, 20°C Ambient:	23.2kW
Refrigerant:	R410a
Settable Fluid Temperature Range:	-5°C to +15°C
Nominal Fluid Flow Rate:	6,157 Litres/Hour
Ambient Temperature Operating Range:	-10°C to +45°C
Internal Pump Nominal Pressure:	3 Bar
Internal Tank Capacity:	130 Litres
Connection Sizes:	1 1/2" BSP(F)
Power:	400V / 3Ph / 50Hz
Dimensions (mm):	1965 (H) x 1200 (L) x 900 (W)
Net Weight:	260kg
Suitable for:	Indoor or Outdoor Installation

¹ Maximum possible cooling capacity.

KEY FEATURES & BENEFITS

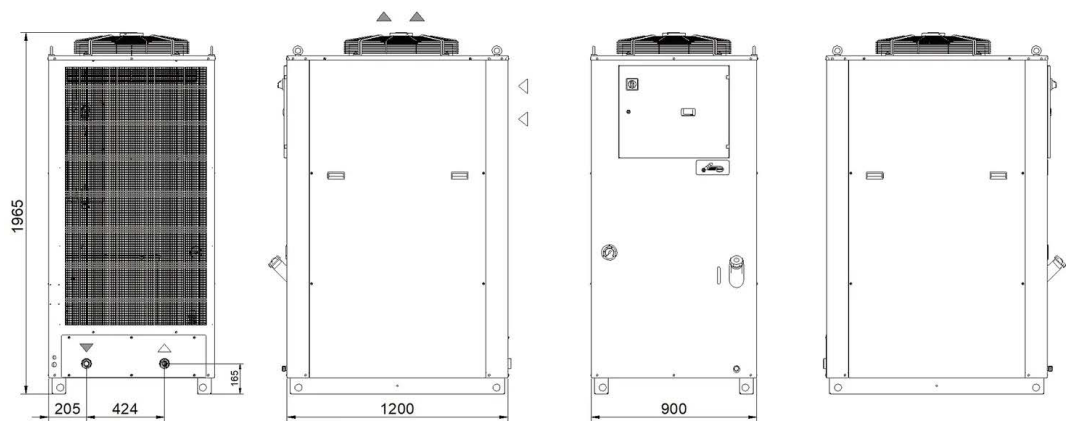
- Cooling capacity up to 58.9kW
- Non-ferrous water circuit for enhanced corrosion resistance
- Integral 130-litre buffer tank
- High-performance 3 Bar circulation pump
- Weatherproof construction suitable for indoor or outdoor installation
- Industrial 400V three-phase power supply
- Manufactured in 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	0.76 0.82 1 1.22 1.43								
Ambient temperature	Fa	°C	15 20 25 32 35 40 45								
		factor	1.26 1.2 1.12 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											
*35,800 W is the maximum achievable cooling capacity for Size 2 chillers.											