C-NEXT

TALB5-C5 Size 3

Industrial water chillers

COOLING CAPACITY **24800 - 29000 - 35800 W**

AIR CONDENSER
Microchannel condensing coil, complete with safety grille.

AXIAL FAN
Axial fan, complete with thermal cut-out and safety grille.

LIQUID CIRCUIT
Non-ferrous liquid circuit composed of stainless-steel centrifugal pump, plastic storage tank complete with visual level indicator, electrical level, 0-10 bar pressure gauge, differential pressure switch protecting the water flow, automatic by-pass and regulation sensor.

ELECTRICAL PANEL
With main disconnect switch, relay motor protection, phase sequence relays.

MANAGEMENT AND CONTROL
The TX200 control unit manages the operation of the chiller and provides complete operator alarm diagnostics. An on-off contact allows the machine to be switched on remotely. Illuminated control selector. Possibility of remote display for machine regulation.

STRUCTURE
In powder-coated steel sheet, RAL 7035 textured finish. Easily removed panels

COMPRESSOR
Hermetic scroll compressor, cooled by the refrigerant, complete with thermal cut-out.

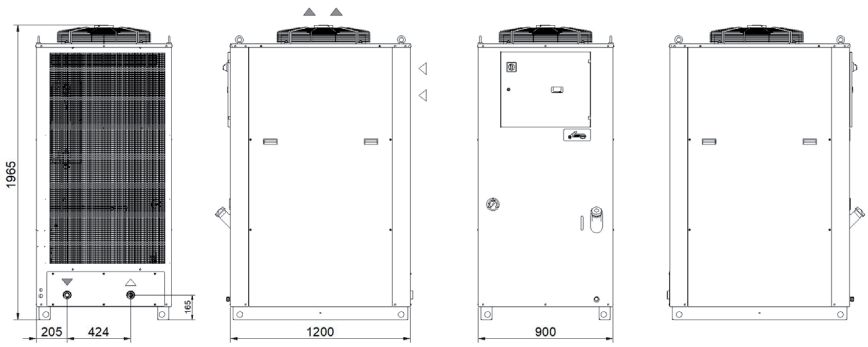
REFRIGERATION CIRCUIT
Complete with charging port, liquid receiver, drier filter, thermostatic valve, high- and low-pressure pressure switch, R410A refrigerant.

EVAPORATOR
Brazed stainless-steel plate model.

PAINT/COATING
Standard colour: RAL 7035 textured.

MAIN ACCESSORIES (ref. page 189)
FL - Flow switch with alarm contact
FP - Polyurethane air filter
RU - Castors
TD - Differential fluid temperature management (two sensors)
BGC - Hot gas bypass for +/- 1 K temperature precision
LS - Liquid circuit for laser application
HP/HS - Harting type connectors
- HIGH-pressure pump version "H" - 5 bar, version "R" - 7 bar.
- Outdoor installation optionals

Dimensions



Model		TALB5	TALB9	TALC5
Rated Cooling Capacity*	W	24800	29000	35800
Ambient temperature operating limits	°C	+15 - +45		
Settable fluid temperature range	°C	+8 - +25		
Fluid type		Water		
Temperature precision	K	+/-2		
Refrigerant gas	HFC	R410A		
Power supply				
Supply voltage	V ph Hz	400V (+/-10%) 3ph 50Hz		
Secondary supply voltage	V	24 V AC		
Digital thermostat		TX200		
Compressor				
Compressor type		Scroll		
Quantity - Number of circuits	no.	1/1		
Nominal power draw	kW	6.4	7.4	8.6
Axial Fan				
Fan type		Axial		
Quantity	no.	1		
Air flow rate	m_3/h	8300	9700	11500
Centrifugal Fan (optional)				
Fan type		Centrifugal		
Quantity	no.	1		
Air flow rate	m_3/h	8300	9700	11500
Available head	Pa	370	180	100
Standard Pump				
Pump type		Centrifugal		
Quantity	no.	1		
Nominal/max fluid flow rate	l/min	79/150	92/150	100/150
Nominal available head	bar	3.5	3.2	3.0
High-Pressure Pump (optional)				
Pump type		Centrifugal		
Quantity	no.	1		
Nominal available head	bar	5.4	5.1	4.9
Storage tank capacity	l	130		
IN/OUT liquid connections	inch	1"1/2		
Net weight (approximate)***	kg	260	260	260
Width	mm	900		
Depth	mm	1200		
Height	mm	1965		
Sound pressure level**	dB(A)	67	67	67

* Data relating to operation under the following conditions: intake/outlet temperature 20/15°C, water without glycol, ambient temperature 32°C.

** Sound pressure level measured in a free parallelepiped field at a distance of 1 m from the machine per ISO 3746.

*** Weight includes pallets and packaging (where provided for), with refrigerant charge, storage tank empty, axial fans.

**** The electrical data refer to cos ϕ = 0.8.

However, due to our continuous development and improvement of our products, all information is subject to change without notice.

Correction factors for calculating the cooling power

Water outlet temperature	**Fw**	°C					**8**	**10**	**15**	**20**	**25**		
		factor					0.79	0.84	1	1.18	1.37		
Ambient Temperature	**Fa**	°C					**15**	**20**	**25**	**32**	**35**	**40**	**45**
		factor					1.25	1.2	1.09	1	0.97	0.91	0.87
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	0.90	0.88			

Cooling power = Nominal cooling power x Fw x Fa x Fg