

TALA1-A8 Size 2

Industrial water chillers

COOLING CAPACITY

11400 - 12400 - 17800 - 20100 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, 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.

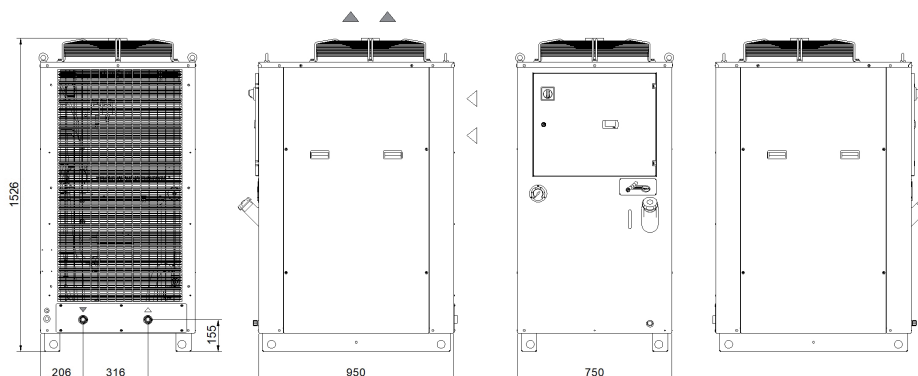
PAINT/COATING

Standard colour: RAL 7035 textured.

MAIN ACCESSORIES (ref. page 189)

- BA - Mechanical bypass valve protecting the pump
- 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		TALA1	TALA3	TALA5	TALA8
Rated Cooling Capacity*	W	11400	12400	17800	20100
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	3.03	3.12	4.08	4.91
Axial Fan					
Fan type		Axial			
Quantity	no.	1			
Air flow rate	m ³ /h	6500	6500	6500	6500
Centrifugal Fan (optional)					
Fan type		Centrifugal			
Quantity	no.	1			
Air flow rate	m ³ /h	6500	6500	6500	6500
Available head	Pa	250			
Standard Pump					
Pump type		Centrifugal			
Quantity	no.	1			
Nominal/max fluid flow rate	l/min	31 - 70	35 - 70	50 - 70	58 - 70
Nominal available head	bar	3.7	3.5	2.8	2.5
High-Pressure Pump (optional)					
Pump type		Centrifugal			
Quantity	no.	1			
Nominal available head	bar	5.2	5	5	4.2
Storage tank capacity					
Storage tank capacity	l	130			
IN/OUT liquid connections					
IN/OUT liquid connections	inch	1"			
Net weight (approximate)***					
Net weight (approximate)***	kg	200	200	235	235
Width					
Width	mm	750			
Depth					
Depth	mm	950			
Height					
Height	mm	1526			
Sound pressure level**					
Sound pressure level**	dB(A)	67	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					0.76	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	0.80
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													