C-NEXT

TALA1÷A8 Size 2

Industrial water chillers

COOLING CAPACITY	11400 - 12400 - 17800 - 20100 W

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.

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 electric pump, storage tank made of plastic material complete with integrated visual level indicator, electrical level indicator, 0-10 bar pressure gauge, differential pressure switch protecting the water flow, regulation sensor.

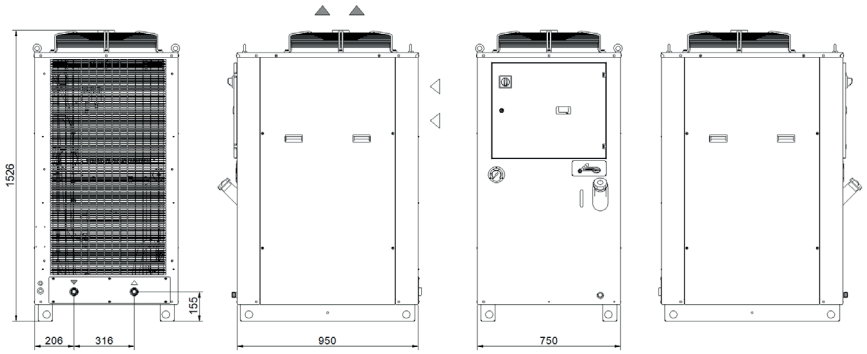
ELECTRICAL PANEL
With main disconnect switch, relay motor protection, phase sequence relays.

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.

PAINT/COATING
Standard colour: RAL 7035 textured.

MAIN OPTIONS
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 connector
- HIGH-pressure pump version "H" - 5 bar, version "R" - 7 bar.
- Outdoor installation options

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	l	130			
IN/OUT liquid connections	inch	1"			
Net weight (approximate)***	kg	200	200	235	235
Width - Depth - Height	mm	750 - 950 - 1526			
Sound pressure level**	dB(A)	67	67	67	67

* Data relates to operation under the following conditions: inlet/outlet temp. 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, 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.

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