RFB3201-2025 SITA BETA : AIR COOLED CHILLERS

Project: SITA BETA
Specification: AIR COOLED CHILLERS
Date: 2026/02/06

Note (1): Bidder must complete/enter YELLOW cells only

Note (2): SITA reserves the right to verify Data Sheet information

Item	Description	Units	Required/specified
GENERAL	Service		Building Cooling
	Identification		CHILLER 01 CHILLER 02 CHILLER 03
	Cooling type		DX + Integrated Free Cooling
	Quantity	Duty (N)	2
	Configuration	Standby (N+1)	1
	Total Nr of chillers	Total	3
	Design max condenser entering air temperature (100% load)	°C	37,6
	Minimum ambient temperature	°C	-1,7
	Total Nett Cooling Capacity (per chiller)	kW	> 1000 kW
	EER value (AHRI)		>3.5
	Eurovent Class		A
	Chilled Water Temperatures	Supply (°C)	16
		Return (°C)	24
	Minimum Chilled Water Supply Setpoint Temperature	(°C)	5
	Number of circuits	No	2
	Capacity Steps	No	Variable
EVAPORATOR	Number of compressors	No	>2
	Entering air temperature	DB (°C)	37,6
	Full load water flow per Chiller	l/s	29,9
CONDENSER	Fan Type		EC
	Hail Guards on condenser coils		Yes
	Fouling factor (max)	m^2K/kW	0,00044
	Cooling/Condenser Coil Construction		Copper with aluminium fins
ELECTRICAL	Voltage / phase / frequency	V/A/Hz	400/3/50
	Total Starting Current	Amp	VSD
	Starter (Compressor)		VSD
SOUND	Sound Power Level (dBa) to Eurovent	Sound Pressure (dBa)	<95
	Sound Pressure Level (dBa) to Eurovent	Sound Power @ 10 m (dBa)	< 55

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Item	Description	Units	Required/specified
OTHER	Coil treatment		N/A
	Piping Connection Size	mm	125
	Glycol Percentage	%	0
	Power factor correction	-	Fitted
	Backup power supply	-	Allow for central plant UPS power supply to controller
	Heat exchanger	-	Shell-and-tube preferred
	Controller	HLI	Supplier controller with touch panel
		Communication Protocol	Modbus/ BACnet Protocol/TCP IP
	AV Mounts	-	Spring type included in supply
GENERAL	Refrigerant	R134a (or alternate Gen 5) Must be future proofed for retrofitting	
	Dimensions (L/W/H)	<mm	
	Operating Weight	<kg	
EVAPORATOR	Pressure Drop	Pa	
	Max water flow	l/s	
	Min water flow	l/s	
CONDENSER	Number of fans	No	
	Air volume	m^3/s	
	Total Face Area	m^2	
	Fan Static Pressure	Pa	
ELECTRICAL	Total Running Power	<kW @ EER	
	Total Running Current	Amp	
COMPRESSORS	Number of Compressors	No	
	Unloading Capacity (minimum)	%	
	Compressor Type	Screw Type / Centrifugal	
FREE COOLING	Configuration of free cooling	To supplier proposal (Series / Parallel)	
	Head	kPa	

I, the bidder, confirm that the details provided in this data sheet are true and accurate. I further accept that all goods and/or works will be delivered as specified herein.
[**Note (1):** SITA reserves the right to verify Data Sheet information]
[**Note (2):** First convert to PDF, then add signature]

Bidder's Name

Signature (above)