



Technical Datasheet

2 SP 4A-EC-L613-E

Main Accessories :

THERMAL DESIGN DATA

Requested capacity (overall/unitary)(@ 100% RPM)	665 / 332 kW
Max. capacity (overall/unitary)(@ 100% RPM)	665 / 332 kW
Fluid type.....	30% EG
Freezing point	-16 °C
Requested fluid flow (overall/unitary)	19.2 / 9.6 l/s
Max. fluid flow (overall/unitary)	19.2 / 9.6 l/s
Entering wet bulb temp	21.0 °C
Entering dry bulb temp	31.0 °C
Switch point for requested capacity	21.5 °C
Process fluid inlet temperature	34.0 °C
Process fluid outlet temperature	25.0 °C
Operating mode.....	Adiabatic

PHYSICAL DATA (including accessories) - UNITARY

Overall length	5116 mm
Standard unit	5116 mm
Overall width	2206 mm
Standard unit	2206 mm
Overall height	2523 mm
Standard unit	2523 mm
Shipping/ operating weight	2430 / 2960 kg
Standard unit	2430 / 2960 kg
Heaviest section	2430 kg
Material option.....	BALTIPLUS (TM) 800

Exact unit dimensions and weights may be influenced by accessories/option combinations.

HIGH DENSITY FINNED COIL DATA (UNITARY)

Tube / fin material	Copper / Aluminium
Inlet connections	(2x) ND 80
Outlet connections	(2x) ND 80
Coil volume	338.0 l
Coil surface	3184.0 m ²
Tube diameter / thickness	12.7 / 0.4 mm / mm
Fin density / distance	12.0 / 2.12 FPI / mm
Fin thickness	0.12 mm
Tube / row distance	38.1 / 33.0 mm / mm
Connections.....	same side

ELECTRICAL DATA - UNITARY

Fan motor power	(4 x) 2.39 kW
Fan motor BHP (Net mechanical output power at motor shaft)	(4 x) 2.39 kW
Fan motor voltage	400 V
Frequency	0 Hz
Fan full load current (Nominal Voltage)	(4 x) 3.68 A (400 V)
Fan synchro speed	1086 RPM
Protection class	
Mounting	
Framesize.....	9999

Note: For indicative cable sizing the "Fan Full Load Current" and the corresponding "Nominal Voltage" have to be used.

AERODYNAMICAL DATA - UNITARY

Air flow (100% RPM/100% RPM)	28.8 / 28.8 m ³ /s
Number of fans.....	4
Fan type	Axial
Approximate Fan speed	1086 RPM

HYDRAULICAL DATA - UNITARY

Total pressure drop (@9.6 / 9.6 l/s)	70.0 / 70.0 kPa
Standard unit	70.0 / 70.0 kPa



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Acoustical data (Standard unit no attenuation)

100 % RPM(@ 15.0 m) 47 dB(A)
Sound Power Level 86.0 dB(A)
All acoustical data as sound pressure levels at quietest side of unit at indicated distance

ACCESSORIES - Construction details UNITARY

Epoxy coated fins

ACCESSORIES - Air intake & discharge accessories UNITARY

Adiabatic Pre-Cooler for Spartium (Baltiplus TM 800)
Humidification flow (in adiabatic mode)..... 0.28 l/s

ACCESSORIES - Capacity control UNITARY

Electrical panel TrilliumSeries EC

ACCESSORIES - Winterisation package UNITARY

Electrical panel internal heater (optional)
Voltage.....230 VAC
Frequency..... 50 Hz
Power.....0.3 kW
Minimum ambient temperature..... -40 °C

ACCESSORIES - Installation & maintenance package UNITARY

Flanges (single stack) (optional)
ModBus RS485 (communication card) (optional)

ACCESSORIES - Safety plus package UNITARY

Safety switch - single speed (optional)

note

For safety reasons ladders are only allowed in combination with railing.