

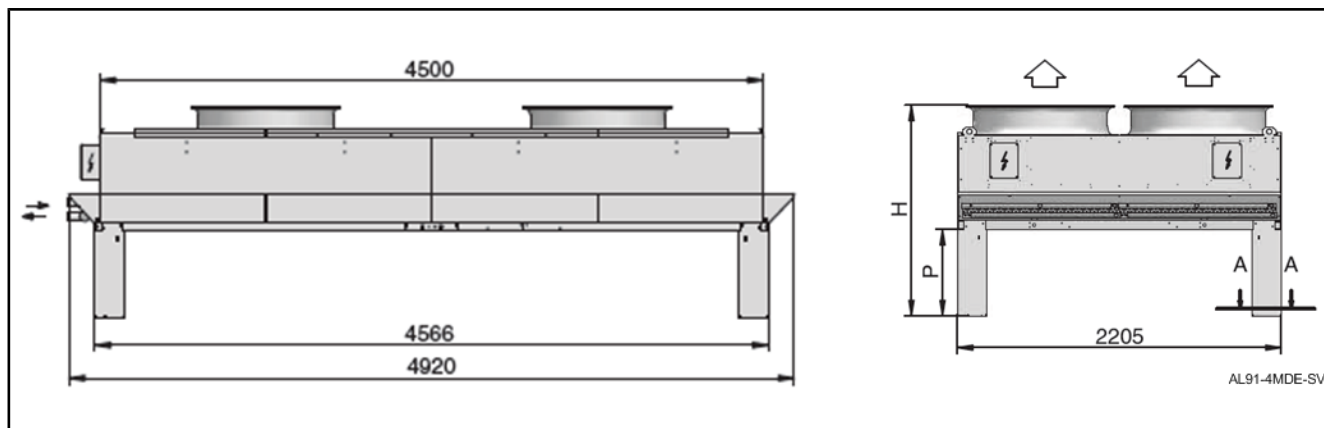
General Data	Preliminary data – to be confirmed by the factory before ordering!!!					
	Series	Carrier				
	Model Code	GASCO.AL91-CO2-4MDE-EC-M2-SV				
	Circuiting Code	84T-4N-21+21INJ-33.7	Air flow type		vertical	
Design point data as per request	Subcritical operation conditions	Value	Unit	Transcrit. operation conditions	Value	Unit
	Ambient temperature	5	°C	Ambient temperature	<u>32</u>	°C
	Compressor discharge temperature	<u>70</u>	°C	Compressor discharge temperature	<u>115</u>	°C
	Condensation temperature	13,6	°C	High pressure	<u>8600</u>	kPa
	Temperature difference	8,6	K	Temperature difference at outlet	<u>2,0</u>	K
	Pressure loss at subcritical operation	13 (0,1)	kPa (K)	Pressure loss at transcritical operation	13	kPa
	Refrigerant mass flow rate	0,50	kg/s	Refrigerant mass flow rate	0,58	kg/s
	Rejected heat capacity	132	kW	Rejected heat capacity	132	kW
	Both operation conditions	Value	Unit	Both operation conditions	Value	Unit
	Altitude	<u>0</u>	m			
	Fan speed	339	1/min	Relative fan speed	56	%
	Fan power consumption	0,42	kW	Air volume flow	35987	m³/h
	Sound power level	62	dB(A)	Admissible sound pressure level	<u>30 @ 10 m</u>	dB(A)
		Value	Unit		Value	Unit
	Std. subcritical design point capacity	132	kW	Std. supercritical design point capacity	132	kW
Std. design point data	Maximum air volume flow	64800	m³/h	Maximum fan speed	610	1/min
	Maximum sound pressure level	<u>30 @ 10 m</u>	dB(A)	Voltage / Grid	400V / ~3 / 50Hz	
	Maximum electrical power	2,4	kW	Maximum current	4,8	A
Fans	Number of fans	4	#	Number of fan rows	2	#
	Fan diameter	910	mm	Motor type	M2	
Coil data	Maximum allowable pressure	120 (12000)	bar (kPa)	Maximum allowable temperature	120	°C
	Pipe material	K65		Fin material	aluminum	
	Fin spacing	2,12	mm	Fin coating	vinyl	
	Connection material	K65				
	Inlet connection size	2 x 1 3/8	inch	Outlet connection size	2 x 1 3/8	inch
	Number of circuits	42	#	Passes per circuit	8	#
	Pipe volume	98	dm³	Heat transfer area	768	m²
Dimensions	Length	4920	mm	Width	2205	mm
	Height	1530	mm	Net weight	925	kg
	Casing	Galvanized steel		Number of feet	4	#

Underlined values are client specified design point data / Bold values are calculated data based on client specified design point

Standard Design Points

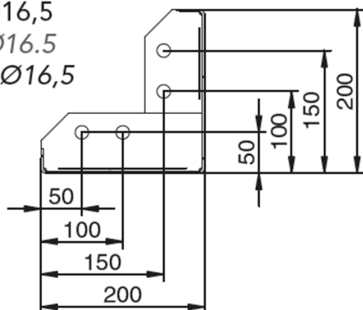
	Fan speed	Ambient Temp	ΔT_2	Compressor Discharge Temp	High Pressure	Subcooling ΔT	h1	h2	Δh
		°C	K	°C	kPa	K	kJ/kg	kJ/kg	kJ/kg
transcritical	100%	36	2.2	115	9500	./.	529.4	309.2	220.2
subcritical	100%	5	9.0	70	4966	1.0	518.8	237.0	281.8

Side view



Foot details

4 trous Ø16,5
4 holes Ø16.5
4 Löcher Ø16,5



	Hauteur Pieds Legs height Höhe der Füße	H	P	Y1	Y2
Pieds standard Standard feet Standard-Füße	590	1530	588	687	753
Pieds surélevés Long feet Höhere Füße	820	1760	818	917	983
Pieds surélevés Long feet Höhere Füße	1225	2165	1223	1322	1388

Les dimensions sont données en mm avec une tolérance de ± 10 mm.
Dimension data are given in mm with ± 10 mm tolerance.
Abmessungsangaben mit Toleranz von ± 10 mm.

GASCO.AL91 CO2