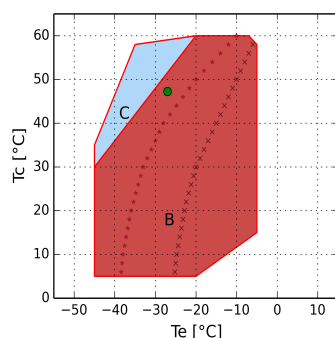




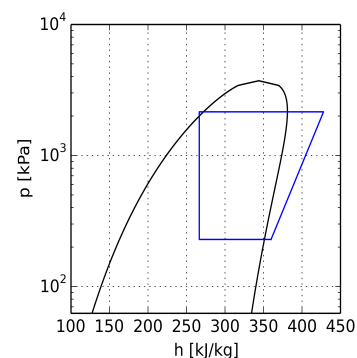
Calculation - AUT

Input

Model	AUT2-H1501CS
Refrigerant	R404A
Evaporating temperature	-27.0 °C
Ambient temperature	40.0 °C
Reference temperature	Dew temperature
Superheat	10.0 K
Evap. outlet superheat	7.0 K
Voltage / phases / frequency	380-420 V / 3 / 50 Hz



B = Standard application
C = Head cooling fan or max superheating 20K
x = Min Te 50%
* = Min Te 50% Head cooling fan or max superheating 20K
• = Dew temperature



Performance calculation

	Standard conditions	At evaporator	At compressor
Cooling capacity	13370 W	11760 W	12100 W
Absorbed power including fans	9.88 kW	9.88 kW	9.88 kW
Condenser capacity	23.24 kW	20.77 kW	21.97 kW
COP	1.35	1.19	1.22
Mass flow	401.0 kg/h	467.2 kg/h	467.2 kg/h
Condensing temperature	47.2 °C	47.2 °C	47.2 °C
Liquid subcooling	0.0 K	3.0 K	3.0 K
Absorbed current	15.9 A	15.9 A	15.9 A
Max operating current	28.0 A	28.0 A	28.0 A
Locked rotor current	134.7 A	134.7 A	134.7 A



OFFICINE MARIO DORIN SINCE 1918

DORIN
INNOVATION

Model: AUT2-H1501CS - PAGE 2

02/04/2025 - Dorin Software v. 23.06

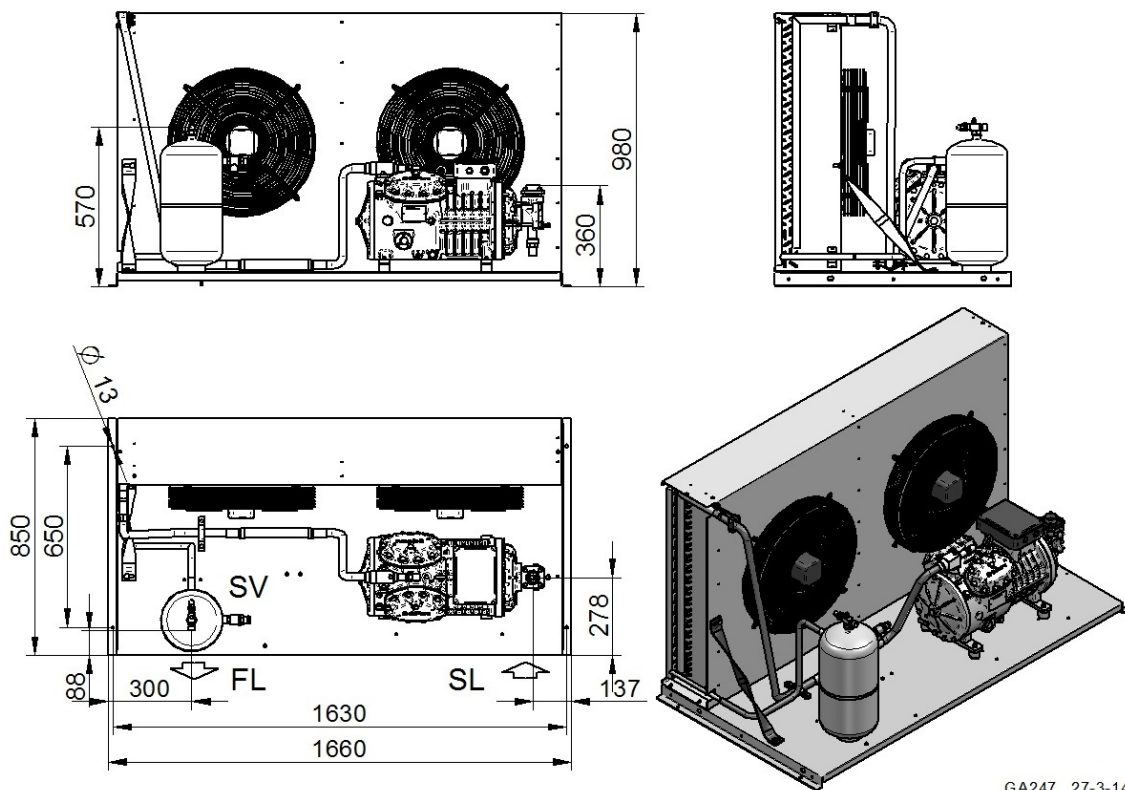
All data subject to change

Technical data

Compressor model	H1501CS	
Displacement @ 50 Hz	56.87	[m³/h]
Displacement @ 60 Hz	68.25	[m³/h]
Motorfans: Air Flow (tot.) @50Hz	14500.0	[m³/h]
Motorfans: Air Flow (tot.) @60Hz	16320.0	[m³/h]
Motorfans: Power @50Hz	2×600	n° × [W]
Motorfans: Power @60Hz	2×880	n° × [W]
Motorfans: Current consumption (tot.) @50Hz	5.24	[A]
Motorfans: Current consumption (tot.) @60Hz	7.76	[A]
Motorfans: Condenser capacity @50Hz	2×10	n° × µF
Motorfans: Condenser capacity @60Hz	2×12	n° × µF
Motorfans	2×500	n° × Ø
Receiver volume	15.0	[L]
Connections: Suction	35 s.	[mm]
Connections: Liquid	7/8"	
Net weight	302.0	[kg]
Sound pressure (free field) 1,8 m @50Hz	64.1	[dBA]
Sound pressure (free field) 1,8 m @60Hz	65.3	[dBA]
Sound pressure (free field) 5 m @50Hz	55.2	[dBA]
Sound pressure (free field) 5 m @60Hz	56.4	[dBA]
Sound power @50Hz	80.2	[dBA]
Sound power @60Hz	81.4	[dBA]
	0.0	



Overall dimensions [mm]



GA247 27-3-14

FL - Refrigerant outlet

SV - Safety valve

SL - Suction service valve

Configuration: Standard \ Optional (Air-cooled condensing units)

L.P. and H.P. dual pressure switch	Optional
High pressure switch	Optional
Filter driers	Optional
Moisture-liquid indicator	Optional
Solenoid valve	Optional
Suction flexible hose	Optional
Oil separator	Optional
Fan speed regulator	Optional
Weather protection housing	Optional



Configuration: Standard \ Optional (Semi-hermetic compressors)

TE=Thermistor protection	Standard
REL=Motor protection electronic module	Standard
CH=Crankcase heater	Optional
US=Unloaded start by-pass	Optional
ALL=Oil level warning device	Optional
IP65=Electrical box IP65	Standard
CR1=Capacity control 50-100%	Optional
For operation with HFC refrigerants the compressor must be ordered with POE OIL. For operation with HCFC refrigerant the compressor shall be ordered with mineral oil.	
Motors suitable for operation at different voltage from those listed above may be supplied on request.	
220-240/3/50 (Δ) 380-420/3/50 (Y)	Optional
265-290/3/60 (Δ) 440-480/3/60 (Y)	Optional
380-420/3/50 (PWS) 440-480/3/60 (PWS)	Standard
208-230/3/60 (Δ) 360-400/3/60 (Y)	Optional
208-230/3/60 (PWS)	Optional
220-240/3/50 (PWS)	Optional
360-400/3/60 (PWS)	Optional
475-525/3/50 (PWS) 570-630/3/60 (PWS)	Optional