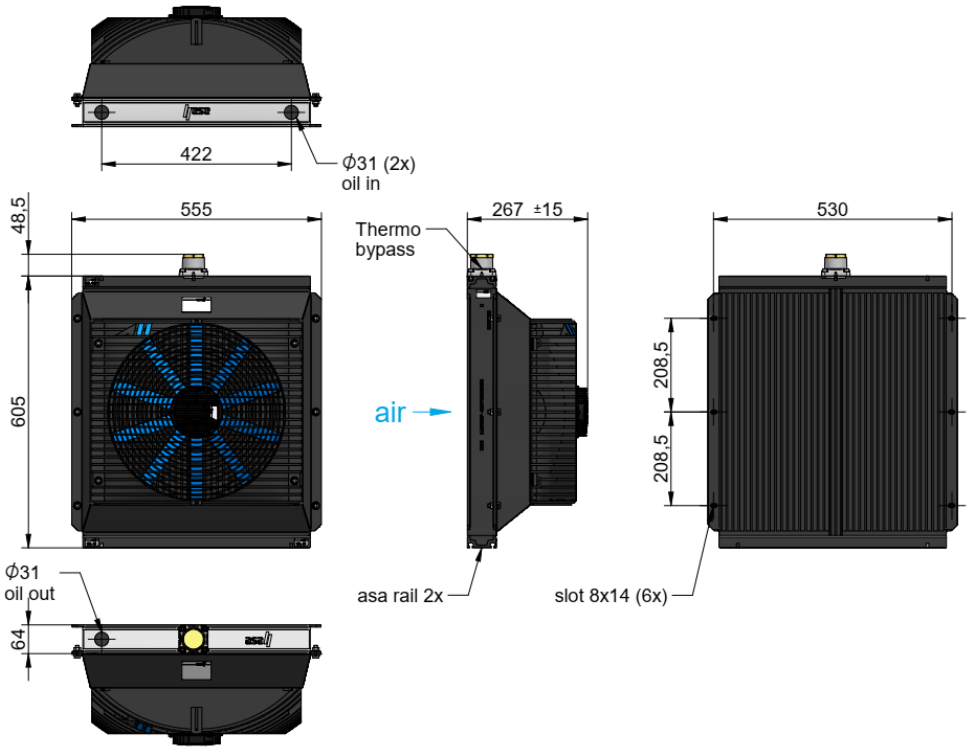
Oil/Air Cooler TT 25 Series
12V / 24V DC incl. Thermal bypass

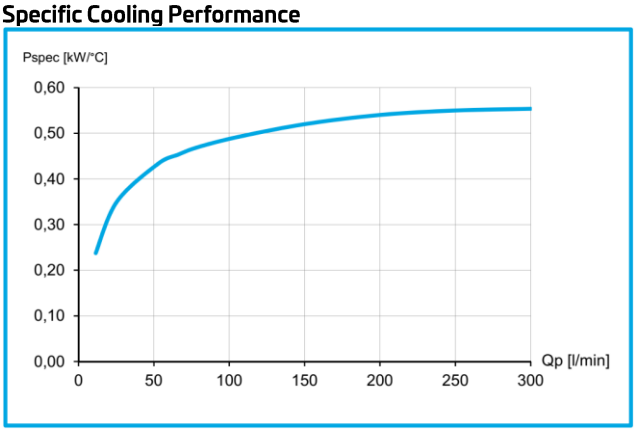


Technical Data

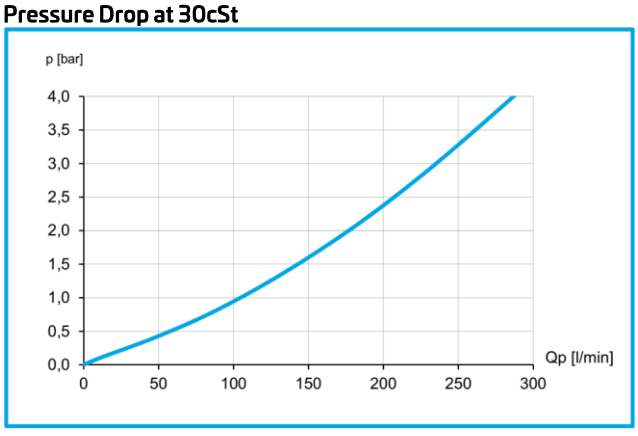
order number	description	current	motor power	protection	air flow	noise level	weight
		[A]	[kW]		[kg/s]	[dB(A)]	[kg]
ASATT25RD01BT	TT 25 rail 12V DC thermo-bypass 50°C	21,2	0,28	IP68	0,88	78	23
ASATT25RD02BT	TT 25 rail 24V DC thermo-bypass 50°C	11,4	0,30	IP68	0,88	78	23

Performance

Specific Cooling Performance



Pressure Drop at 30cSt



This data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually. asa assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. Any cooling performances and general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures or calculated, based on such tests. They represent a basis for your product selection. Due to different conditions in testing and application environments the performance may also vary by +/- 15%. All sound values are determined in accordance with ISO 9614-2, DIN EN ISO 11203 accuracy class 3 or Machinery Directive 2006/42/EC and are A-rated. At some of the performance data, possible differences to competition data are possible. The reason to that are no existing standardized testing procedures on individual subjects, e.g. for cooling performance measurements. Therefore, we recommend all products to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors. General tolerances according to DIN ISO 2768-vL, General tolerances for casted parts according EN ISO 8062-3 (DCTG 10). Tolerances for rubber parts are according to ISO 3302-1 (class M4-F+C). The tolerances of welding seams are defined by quality group D according to EN ISO 10042, if it is not specified on the actual scale drawing or data sheet. Any form of liability is excluded for the information included in this datasheet. All details and calculation values are checked to the best of our ability, but these do not ensure any intrinsic product properties: due to the wide-ranging possible applications, it is advised that all technical data herewith included be confirmed through testing carried out by the end-user. asa technology Produktions- und Vertriebs GmbH reserves the right to modify the product without any separate notification. This refers to both technical data and the product itself. Furthermore, it is herewith specified that the datasheet does not substitute the corresponding scale drawings, assembly and installation guidelines, nor the operating instructions.

© asa technology, November 2024

Oil/Air Cooler TT 25 Series
12V / 24V DC incl. Thermal bypass

Radiator

material:	aluminium
working temperature range:	-20°C to +80°C (oil temperature)*
air fin shape:	wavy
working pressure:	26 bar (static)

Thermal Bypass

rail connector material	aluminium
bypass valve	brass
sealings	NBR
closing temperature	43°C to 54°C
relief pressure	5 bar if temperature bypass is closed (=>54°C)

Compatibility

minimum fluid cleanness	Class 20/18/15 acc. ISO 4406:1999
viscosity range	10...650mm$^{2/s}$ (cSt) recommended 15...250mm$^{2/s}$ (cSt)

Options

temperature control	ILLZTC12-2K or 24-2K + ILLZTT5069K
temperature switches	ILLZTH5069K, ILLZTH4765K, ILLZTH6065K
foot mounting	ILLEFUSSTTK

Installation System (1 set per cooler required)

connection BSP 1"	ILLZSET5G25
connection BSP 1 ¼""	ILLZSET5G32
connection BSP 1" straight	ILLZSET5G25A
connection BSP 1° straight + stnd.	ILLZSET5G25B
connection BSP 1 ¼" straight	ILLZSET5G32A
connection BSP 1 ¼" straight + stnd	ILLZSET5G32B

*...the indicated temperature is the maximum inlet temperature for the cooler radiator.
Depending on the sealings in use, the application needs appropriate checking.*

This data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually. asa assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. Any cooling performances and general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures or calculated, based on such tests. They represent a basis for your product selection. Due to different conditions in testing and application environments the performance may also vary by +/- 15%. All sound values are determined in accordance with ISO 9614-2, DIN EN ISO 11203 accuracy class 3 or Machinery Directive 2006/42/EC and are A-rated. At some of the performance data, possible differences to competition data are possible. The reason to that are no existing standardized testing procedures on individual subjects, e.g. for cooling performance measurements. Therefore, we recommend all products to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors. General tolerances according to DIN ISO 2768-vL, General tolerances for casted parts according EN ISO 8062-3 (DCTG 10). Tolerances for rubber parts are according to ISO 3302-1 (class M4-F+C). The tolerances of welding seams are defined by quality group D according to EN ISO 10042, if it is not specified on the actual scale drawing or data sheet. Any form of liability is excluded for the information included in this datasheet. All details and calculation values are checked to the best of our ability, but these do not ensure any intrinsic product properties: due to the wide-ranging possible applications, it is advised that all technical data herewith included be confirmed through testing carried out by the end-user. asa technology Produktions- und Vertriebs GmbH reserves the right to modify the product without any separate notification. This refers to both technical data and the product itself. Furthermore, it is herewith specified that the datasheet does not substitute the corresponding scale drawings, assembly and installation guidelines, nor the operating instructions.

© asa technology, November 2024