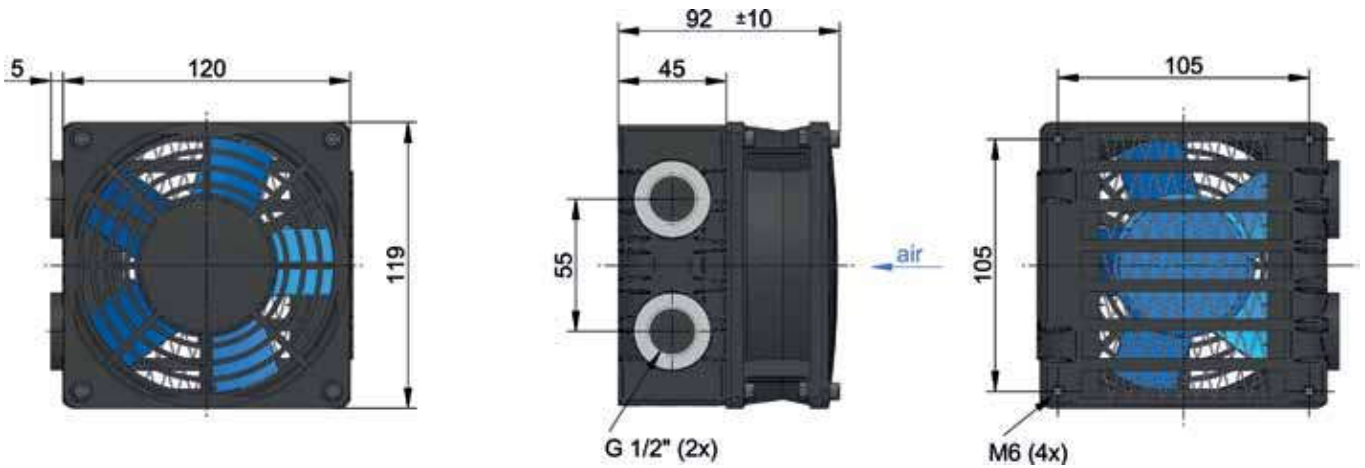


LowLine LL 01 Oil / Air Cooler

12V / 24V DC



Technical Data

order number	description	power	current	protection level	air flow	noise level	weight
		[kW]	[A]		[kg/s]	[dB(A)]	[kg]
ASA0013GD01	LL 01 12V DC	0,04	0,31	IP 20	0,033	44	1,4
ASA0013GD02	LL 01 24V DC	0,04	0,15	IP 20	0,033	44	1,4

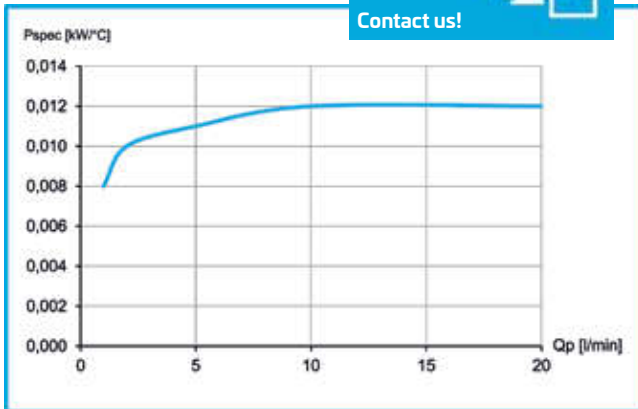
Performance

specific cooling performance

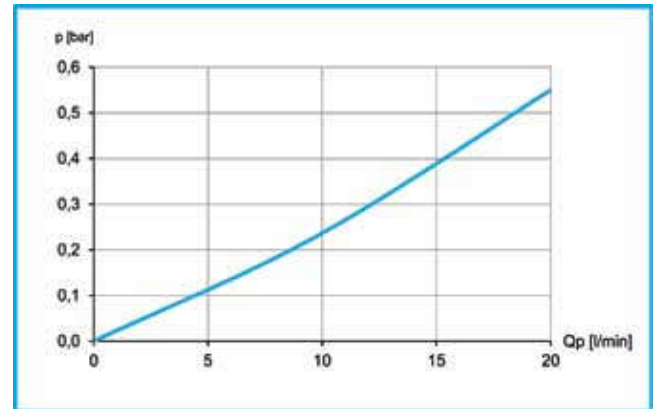
all products
water/glycol
compatibel



Contact us!



pressure drop at 30cSt



Radiator Style A

material:	aluminium
working temperature range:	-20°C to +100°C (oil temperature)
air fin shape:	wavy
working pressure:	26 bar (static)



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LowLine LL 03 L Oil / Air Cooler

12V / 24V DC



Technical Data

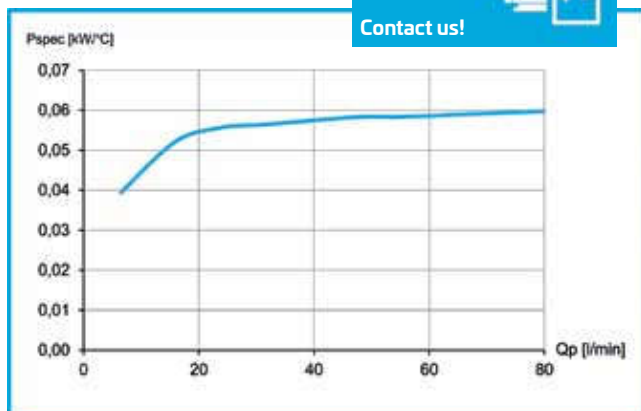
order number	description	power	current	protection	air flow	noise level	weight
		[kW]	[A]		[kg/s]	[dB(A)]	[kg]
ASA0033GD01	LL 03L 12V DC	0,07	5,4	IP 68	0,13	68	3,5
ASA0033GD02	LL 03L 24V DC	0,07	2,7	IP 68	0,13	68	3,5

Performance

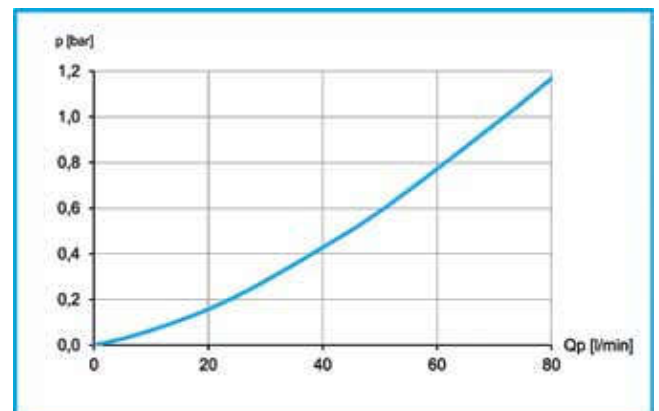
specific cooling performance

all products
water/glycol
compatibel

Contact us!



pressure drop at 30cSt



Radiator Style A

material:	aluminum
working temperature range:	-20°C to +100°C (oil temperature)
air fin shape:	wavy
working pressure:	26 bar (static)

Options

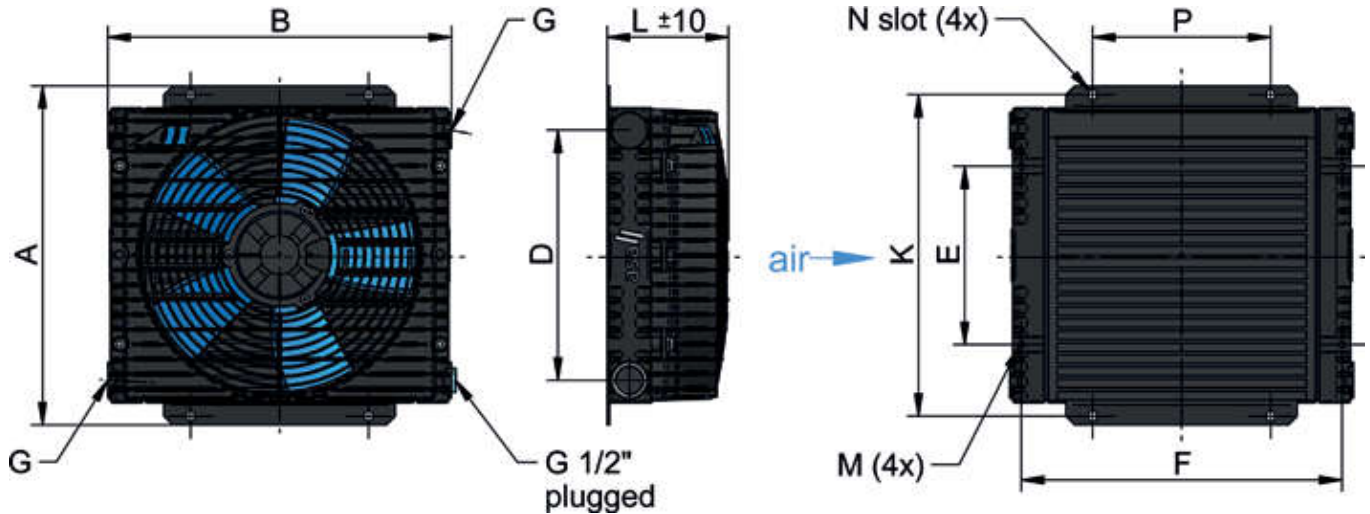
temperature switches IP65	ILLZTH4765K, ILLZTH6065K (page 39)
temperature switches IP69K	ILLZTH5069K, ILLZTH6069K, ILLZTH9069K (page 39)
temperaure control	ILLZTC12-2K, ILLZTC24-2K (page 37)



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LowLine 03, 06 and 08 Oil / Air Cooler

12V / 24V DC, HP (high performance) and internal bypass



Dimensions

order number	description	A	B	D	E	F	G	K	L	M	N	P
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]
ASA0034GD01	LL 03 12V DC	255	250	180	144	225	G 3/4"	240	134	M6	7x10	120
ASA0034GD02	LL 03 24V DC	255	250	180	144	225	G 3/4"	240	134	M6	7x10	120
ASATT06GD03*	LL 06 12V DC	290	320	215	180	301	G 3/4"	269	145	M6	7x10	155
ASATT06GD04*	LL 06 24V DC	290	320	215	180	301	G 3/4"	269	145	M6	7x10	155
ASA0084GD01	LL 08 12V DC	380	386	280	200	360	G 1"	360	136	M8	9x12	200
ASA0084GD02	LL 08 24V DC	380	386	280	200	360	G 1"	360	136	M8	9x12	200
ASA0084GD03	LL 08 12V DC HP	380	386	280	200	360	G 1"	360	157	M8	9x12	200
ASA0084GD04	LL 08 24V DC HP	380	386	280	200	360	G 1"	360	157	M8	9x12	200

Technical Data

order number	description	power	current	protection	air flow	noise level	weight	optional internal bypass (2 bar)
		[kW]	[A]		[kg/s]	[dB(A)]	[kg]	cooler order number
ASA0034GD01	LL 03 12V DC	0,11	8,5	IP 68	0,24	68	4,2	ASA0034GD01BP
ASA0034GD02	LL 03 24V DC	0,11	4,2	IP 68	0,24	68	4,2	ASA0034GD02BP
ASATT06GD03*	LL 06 12V DC	0,10	7,7	IP 68	0,29	74	5,6	ASATT06GD03BP
ASATT06GD04*	LL 06 24V DC	0,10	3,6	IP 68	0,29	74	5,6	ASATT06GD04BP
ASA0084GD01	LL 08 12V DC	0,16	12,5	IP 68	0,51	74	8,3	ASA0084GD01BP
ASA0084GD02	LL 08 24V DC	0,21	7,9	IP 68	0,51	74	8,3	ASA0084GD02BP
ASA0084GD03	LL 08 12V DC HP	0,29	22,2	IP 68	0,69	77	9	ASA0084GD03BP
ASA0084GD04	LL 08 24V DC HP	0,30	11,4	IP 68	0,69	77	9	ASA0084GD04BP

*...ASATT06GD01/02 versions from on 09/2009 are upgraded to identical performance data as ASATT06GD03/04

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LowLine 03, 06 and 08 Oil / Air Cooler

12V / 24V DC, HP (high performance) and internal bypass



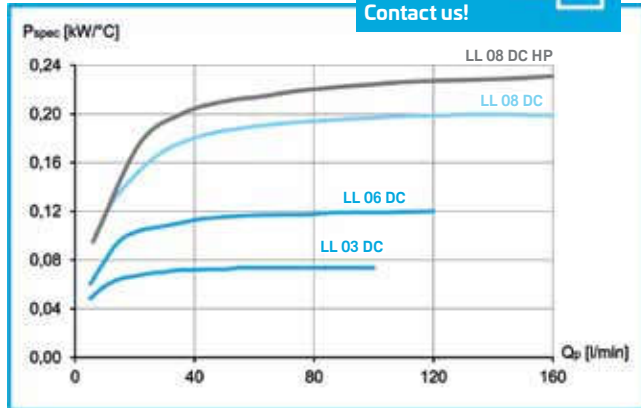
Performance

specific cooling performance

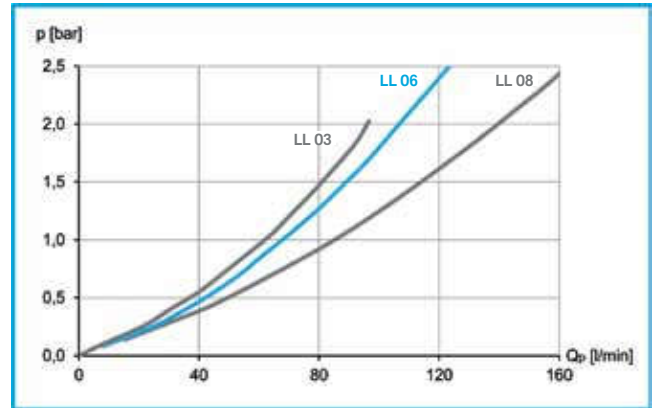
all products
water/glycol
compatibel



Contact us!



pressure drop at 30cSt



Radiator Style A

material:	aluminum
working temperature range:	-20°C to +100°C (oil temperature)
air fin:	wavy
max. working pressure:	26 bar (static)

Options

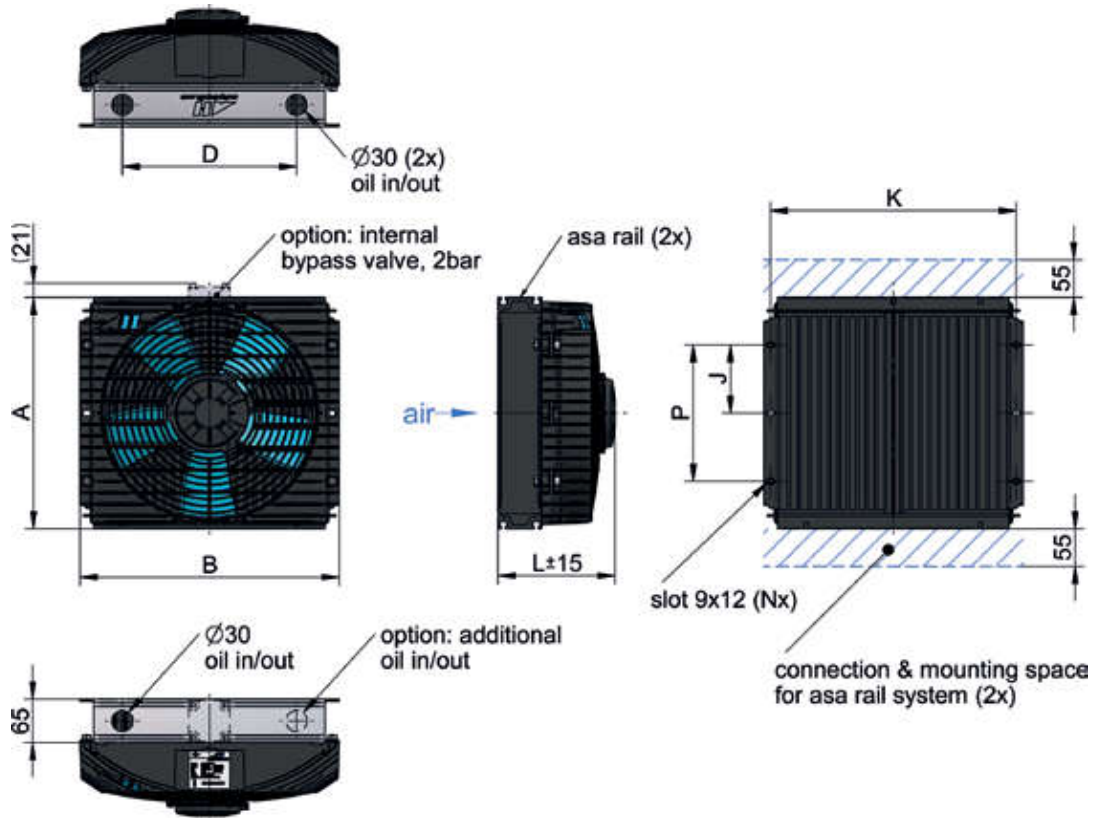
mounting feet kit	ILLEFUSSTT06K
temperature switches IP65	ILLZTH4765K, ILLZTH6065K (page 39)
temperature switches IP69K	ILLZTH5069K, ILLZTH6069K, ILLZTH9069K (page 39)
temperature control	ILLZTC12-2K, ILLZTC24-2K (page 37)
protection housing	on request



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TT Series Oil / Air Cooler

12V/24V DC, asa rail system



Dimensions

order number	description	A	B	D	J	P	K	L	N	weight
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[kg]
ASATT05RD01	TT 05 rail 12V DC	235	245	118	-	150	225	150	4	4,3
ASATT05RD02	TT 05 rail 24V DC	235	245	118	-	150	225	150	4	4,3
ASATT07RD01	TT 07 rail 12V DC	300	320	176	-	172	290	160	4	6,5
ASATT07RD02	TT 07 rail 24V DC	300	320	176	-	172	290	160	4	6,5
ASATT07RD03	TT 07 rail 12V DC h.p.	300	320	176	-	172	290	176	4	7,0
ASATT07RD04	TT 07 rail 24V DC h.p.	300	320	176	-	172	290	176	4	7,0
ASATT11RD01	TT 11 rail 12V DC	340	380	255	100	200	360	175	6	9,2
ASATT11RD02	TT 11 rail 24V DC	340	380	255	100	200	360	175	6	9,2
ASATT13RD01	TT 13 rail 12V DC	420	410	255	-	233	386	200	4	12,0
ASATT13RD02	TT 13 rail 24V DC	420	410	255	-	233	386	200	4	12,0
ASATT16RD01	TT 16 rail 12V DC	465	460	328	153	306	436	190	6	14,9
ASATT16RD02	TT 16 rail 24V DC	465	460	328	153	306	436	190	6	14,9
ASATT21RD01	TT 21 rail 12V DC	605	462	328	208,5	417	436	243	6	19,4
ASATT21RD02	TT 21 rail 24V DC	605	462	328	208,5	417	436	243	6	19,4
ASATT21RD03	TT 21 rail 12V DC h.p.	605	462	328	208,5	417	436	261	6	20,4
ASATT21RD04	TT 21 rail 24V DC h.p.	605	462	328	208,5	417	436	261	6	20,4
ASATT25RD01	TT 25 rail 12V DC	605	555	422	208,5	417	530	266	6	22,7
ASATT25RD02	TT 25 rail 24V DC	605	555	422	208,5	417	530	266	6	22,7

Radiator Style B

material:	aluminum
working temperature range:	-20°C to $+80^{\circ}\text{C}$ (oil temperature)*
air fin shape:	wavy
working pressure:	26 bar (static)

Installation System (see more information on page 32)

connection BSP 1"	ILLZSET5G25 (1 set per cooler required)
connection BSP 1 1/4"	ILLZSET5G32 (1 set per cooler required)
connection BSP 1" straight	ILLZSET5G25A (1 set per cooler required)
connection BSP 1" straight+stnd.	ILLZSET5G25B (1 set per cooler required)

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

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TT Series Oil / Air Cooler

12V / 24V DC, asa rail system



Technical Data

order number	description	motor power [kW]	current [A]	protection	air flow [kg/s]	noise level [dB(A)]	optional internal bypass (2 bar) cooler order number
ASATT05RD01	TT 05 rail 12V DC	0,11	8,5	IP 68	0,19	74	on request
ASATT05RD02	TT 05 rail 24V DC	0,11	4,2	IP 68	0,19	74	on request
ASATT07RD01	TT 07 rail 12V DC	0,13	9,6	IP 68	0,32	74	ASATT07RD01BP
ASATT07RD02	TT 07 rail 24V DC	0,14	5,2	IP 68	0,32	74	ASATT07RD02BP
ASATT07RD03	TT 07 rail 12V DC h.p.	0,20	15,6	IP 68	0,40	78	ASATT07RD03BP
ASATT07RD04	TT 07 rail 24V DC h.p.	0,21	8,1	IP 68	0,40	78	ASATT07RD04BP
ASATT11RD01	TT 11 rail 12V DC	0,29	22,6	IP 68	0,57	77	ASATT11RD01BP
ASATT11RD02	TT 11 rail 24V DC	0,30	11,4	IP 68	0,57	77	ASATT11RD02BP
ASATT13RD01	TT 13 rail 12V DC	0,29	22,6	IP 68	0,65	77	ASATT13RD01BP
ASATT13RD02	TT 13 rail 24V DC	0,30	11,4	IP 68	0,65	77	ASATT13RD02BP
ASATT16RD01	TT 16 rail 12V DC	0,28	21,2	IP 68	0,75	79	ASATT16RD01BP
ASATT16RD02	TT 16 rail 24V DC	0,30	11,4	IP 68	0,75	79	ASATT16RD02BP
ASATT21RD01	TT 21 rail 12V DC	0,28	21,2	IP 68	0,82	78	ASATT21RD01BP
ASATT21RD02	TT 21 rail 24V DC	0,30	11,4	IP 68	0,82	78	ASATT21RD02BP
ASATT21RD03	TT 21 rail 12V DC h.p.	0,33	25,5	IP 68	1,02	81	ASATT21RD03BP
ASATT21RD04	TT 21 rail 24V DC h.p.	0,34	13,2	IP 68	1,02	81	ASATT21RD04BP
ASATT25RD01	TT 25 rail 12V DC	0,28	21,2	IP 68	0,88	78	ASATT25RD01BP
ASATT25RD02	TT 25 rail 24V DC	0,30	11,4	IP 68	0,88	78	ASATT25RD02BP

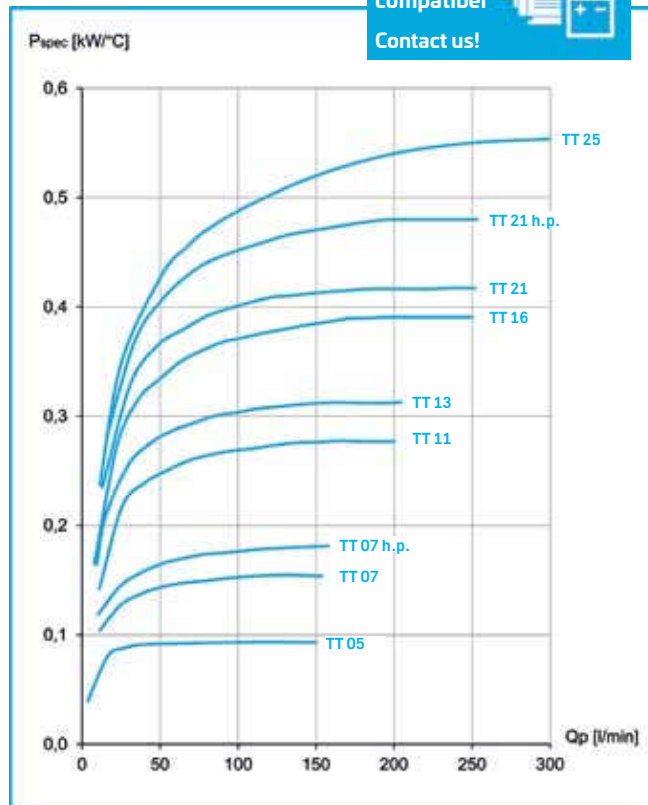
Performance

specific cooling performance

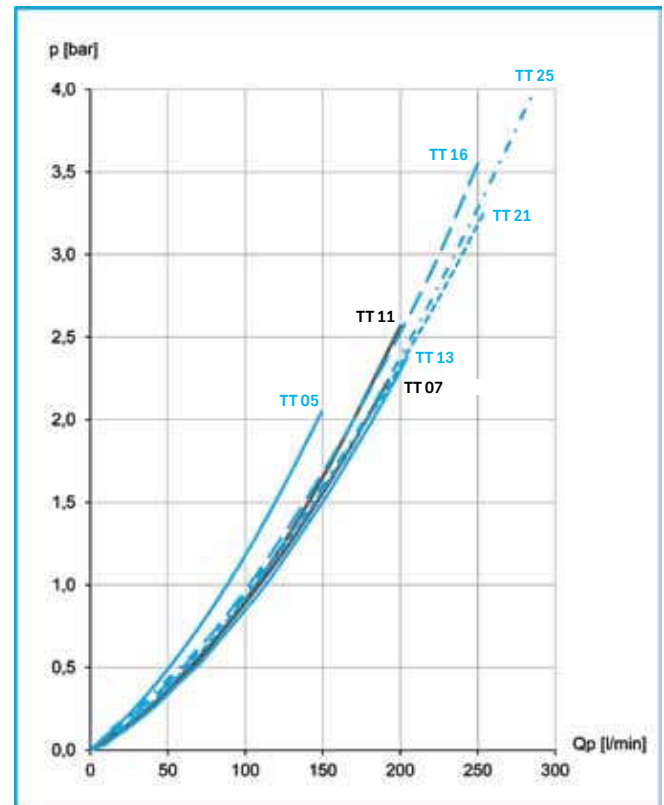
all products
water/glycol
compatibel



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pressure drop at 30cSt



Options

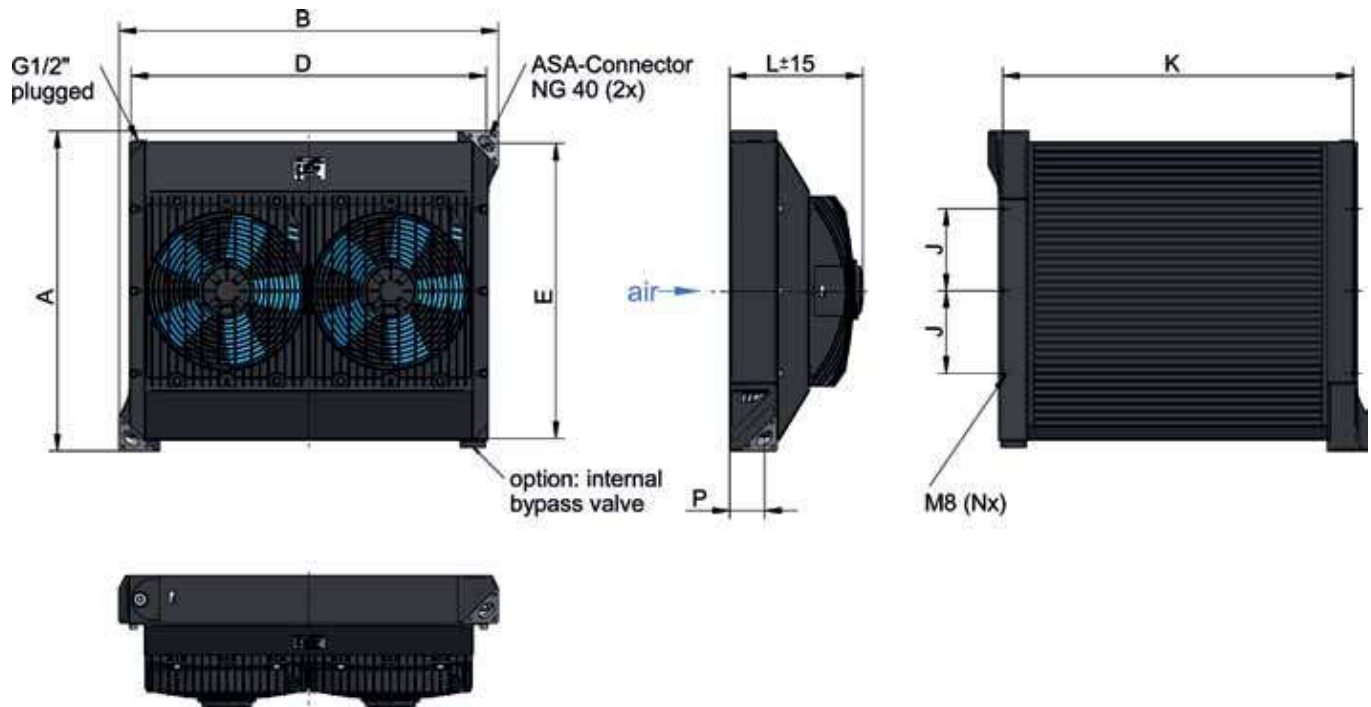
temperature control	ILLZTC12-2K or 24-2K + ILLZTT5069K (page 37, 38)
temperature switches	ILLZTH5069K, ILLZTH4765K, ILLZTH6065K (page 39)
protection housings	available for sizes TT 07, 11 and 16 (page 35)
foot mounting	ILLEFUSSTTHDK (page 34)
internal bypass	alternative bypass settings (1bar / 5bar)



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ASA Series Oil / Air Cooler

12V / 24V DC



Dimensions

order number	description	A	B	D	E	J	K	L	N	P	weight
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[kg]
ASA0177AD01	ASA 0177 12V DC	466	582	535	412	153	520	228	4	68	24,5
ASA0177AD02	ASA 0177 24V DC	466	582	535	412	153	520	228	4	68	24,5
ASA0257AD03	ASA 0257 12V DC h.p.	555	690	635	501	208,5	620	259	6	68	36,2
ASA0257AD04	ASA 0257 24V DC h.p.	555	690	635	501	208,5	620	259	6	68	36,2
ASA0367AD01	ASA 0367 12V DC	642	762	714	596	165	704	268	6	68	41,7
ASA0367AD02	ASA 0367 24V DC	642	762	714	596	165	704	268	6	68	41,7

Technical Data

order number	description	motor power	current	protection	air flow	noise level	optional internal bypass (2 bar)
		[kW]	[A]		[kg/s]	[db(A)]	cooler order number
ASA0177AD01	ASA 0177 12V DC	0,28*	21,2*	IP 68	0,76	79	ASA0177AD01BP
ASA0177AD02	ASA 0177 24V DC	0,30*	11,4*	IP 68	0,76	79	ASA0177AD02BP
ASA0257AD03	ASA 0257 12V DC h.p.	2 x 0,29	2 x 22,6	IP 68	1,44	84	ASA0257AD03BP
ASA0257AD04	ASA 0257 24V DC h.p.	2 x 0,30	2 x 11,4	IP 68	1,44	84	ASA0257AD04BP
ASA0367AD01	ASA 0367 12V DC	2 x 0,29	2 x 22,6	IP 68	1,53	84	ASA0367AD01BP
ASA0367AD02	ASA 0367 24V DC	2 x 0,30	2 x 11,4	IP 68	1,53	84	ASA0367AD02BP

*... single fan

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ASA Series Oil / Air Cooler

12V / 24V DC

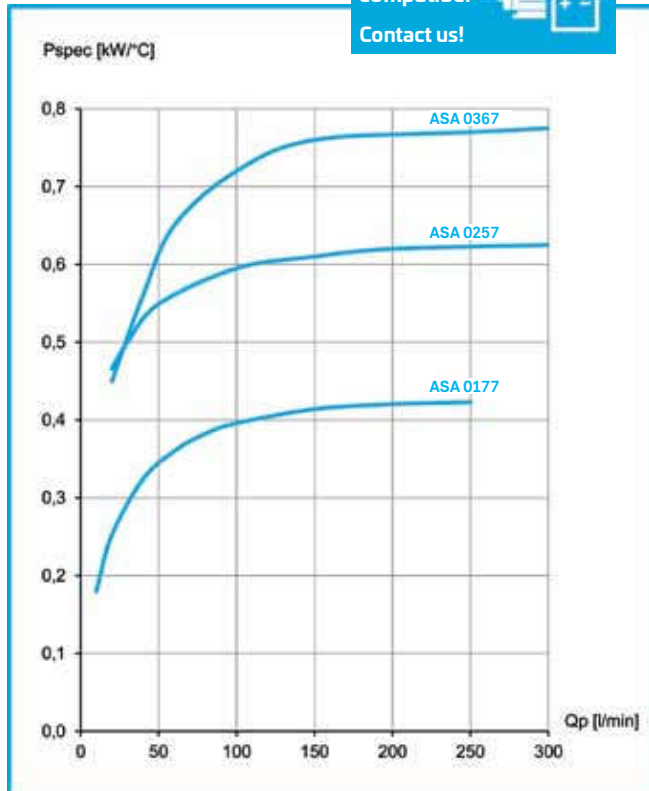


Performance

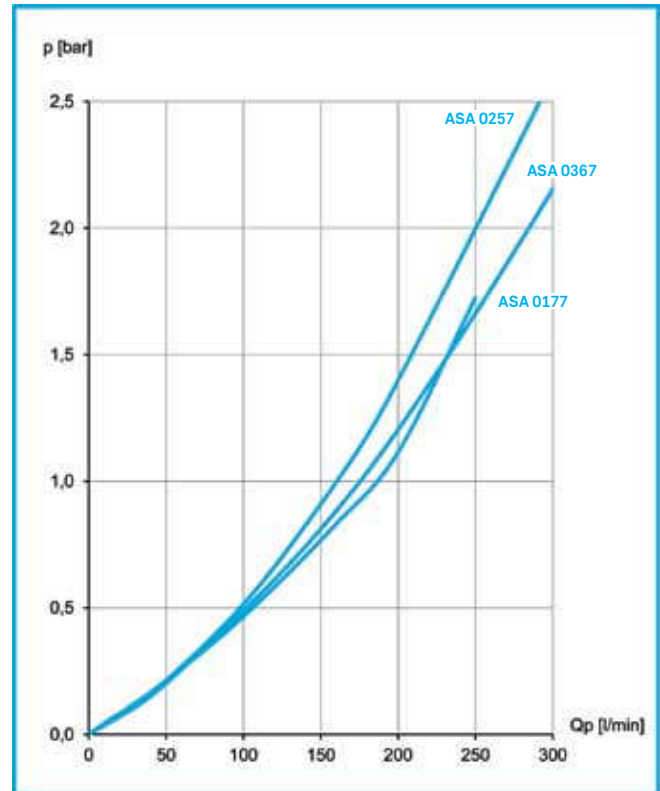
specific cooling performance

all products
water/glycol
compatibel

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pressure drop at 30cSt



Radiator Style C

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

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

Options

temperature control	ILLZTC12-2K or 24-2K + ILLZTT5069K (page 37, 38)
temperature switches	ILLZTH5069K, ILLZTH4765K, ILLZTH6065K (page 39)
Intermediate plate NG40	ILLZASA40-40G12 (page 33)
internal bypass	alternative bypass settings (0,5bar / 3,5bar)

Installation System (see more information on page 33)

connection BSP 1 ¼"	ILLZASA32G32 (2 pieces per cooler required)
connection BSP 1 ½"	ILLZASA40G40 (2 pieces per cooler required)



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