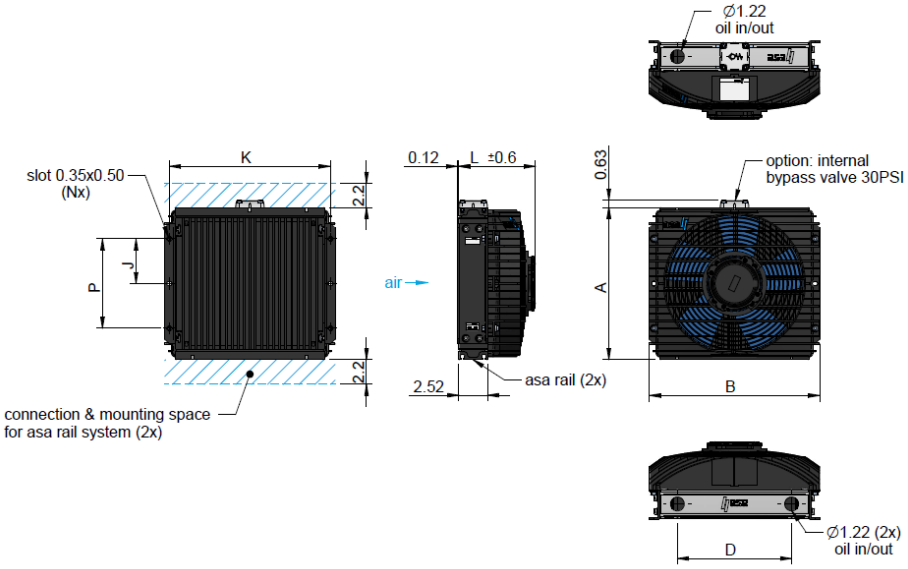
TS – Bar & Plate
Oil / Air Cooler, 1T - Line
12V / 24V DC



Dimensions

order number	description	A	B	D	J	P	K	L	N	weight
		[in]	[in]	[in]	[in]	[in]	[in]	[in]		[lbs]
A1T004ND03U0000U50	ASA 1T 004 12V DC	9.25	9.71	4.4	-	5.91	8.89	6	4	11
A1T004ND04U0000U50	ASA 1T 004 24V DC									
A1T007ND01U0000U00	ASA 1T 007 12V DC	11.81	12.68	6.93 7.36 BP	-	6.77	11.42	7.09	4	15.4
A1T007ND02U0000U00	ASA 1T 007 24V DC									
A1T007ND05U0000U00	ASA 1T 007 12V DC HP	11.81	12.68	6.93 7.36 BP	-	6.77	11.42	7.09	4	15.4
A1T007ND06U0000U00	ASA 1T 007 24V DC HP									
A1T010ND05U0000U00	ASA 1T 010 12V DC	13.39	15.00	10.04	3.94	7.87	14.17	6.73	6	22.1
A1T010ND06U0000U00	ASA 1T 010 24V DC									
A1T013ND05U0000U00	ASA 1T 013 12V DC	16.54	16.30	10.04	-	9.17	15.20	7.87	4	26.5
A1T013ND06U0000U00	ASA 1T 013 24V DC									
A1T017ND03U0000U00	ASA 1T 017 12V DC	18.31	18.11	12.87	6.02	12.05	17.17	7.56	6	35.3
A1T017ND04U0000U00	ASA 1T 017 24V DC									
A1T023ND03U0000U00	ASA 1T 023 12V DC	23.82	18.43	12.87	8.21	16.42	17.17	9.65	6	41.9
A1T023ND04U0000U00	ASA 1T 023 24V DC									
A1T027ND03U0000U00	ASA 1T 027 12V DC	23.82	21.89	16.61	8.21	16.42	20.87	10.55	6	48.5
A1T027ND04U0000U00	ASA 1T 027 24V DC									
A1T028ND05U0000U00	ASA 1T 028 12V DC	27.95	18.98	12.64	6.69	20.08	17.72	8.54	8	57.3
A1T028ND06U0000U00	ASA 1T 028 24V DC									
A1T037ND03U0000U00	ASA 1T 037 12V DC	33.86	20.94	14.69	7.87	23.62	19.80	9.13	8	72.8
A1T037ND04U0000U00	ASA 1T 037 24V DC									
A1T038ND05U0000U00	ASA 1T 038 12V DC	23.82	28.78	23.07	8.21	16.42	27.87	9.37	6	70.6
A1T038ND06U0000U00	ASA 1T 038 24V DC									

Radiator

material:	aluminum
working temperature	-4°F to +176°F (oil temperature)*
air fin shape:	wavy
working pressure:	370 PSI (static)
compatible media	any mineral oil

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

Options

...contact us for more selections

connection	ILLZSET5U12U00 (SAE-12 ORB), ILLZSET5U16U00 (SAE-16 ORB), ILLZSET5U20U00 (SAE-20 ORB)
temperature control	ILLZTC12-2KU00 or 24-2KU00 + ILLZTT5069K
temperature switches	ILLZTH5069KU00, ILLZTH6069KU00, ILLZTH7069KU00, ILLZTH9069KU00
protection housings	available for sizes A1T007, -010, -017
foot mounting	ILLEFUSSTTKU00, ILLEFUSSTTHDKU00
internal bypass	30 PSI / alternative bypass settings 14.5 PSI or 72 PSI

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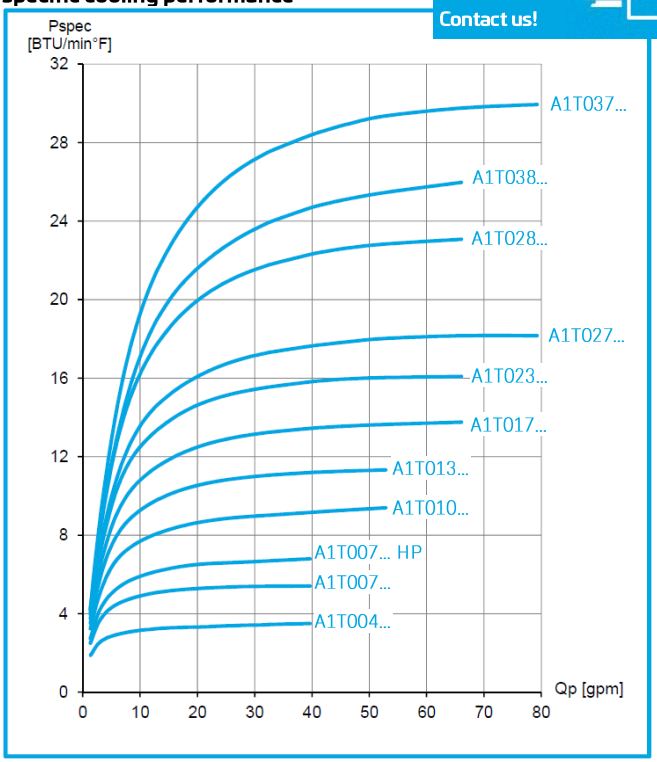
TS – Bar & Plate
Oil / Air Cooler, 1T - Line
12V / 24V DC

Performance

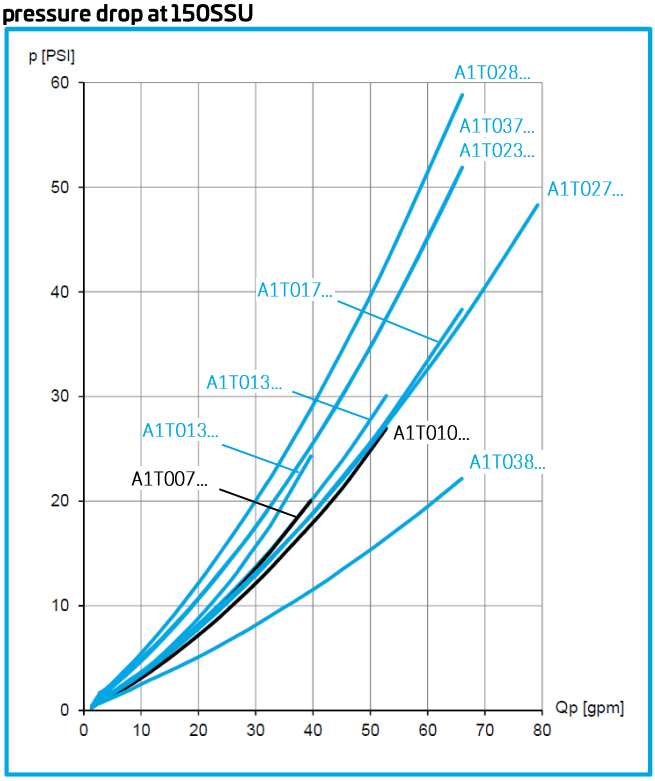
all products water/glycol compatible

Contact us!

specific cooling performance



pressure drop at 150SSU



Technical Data

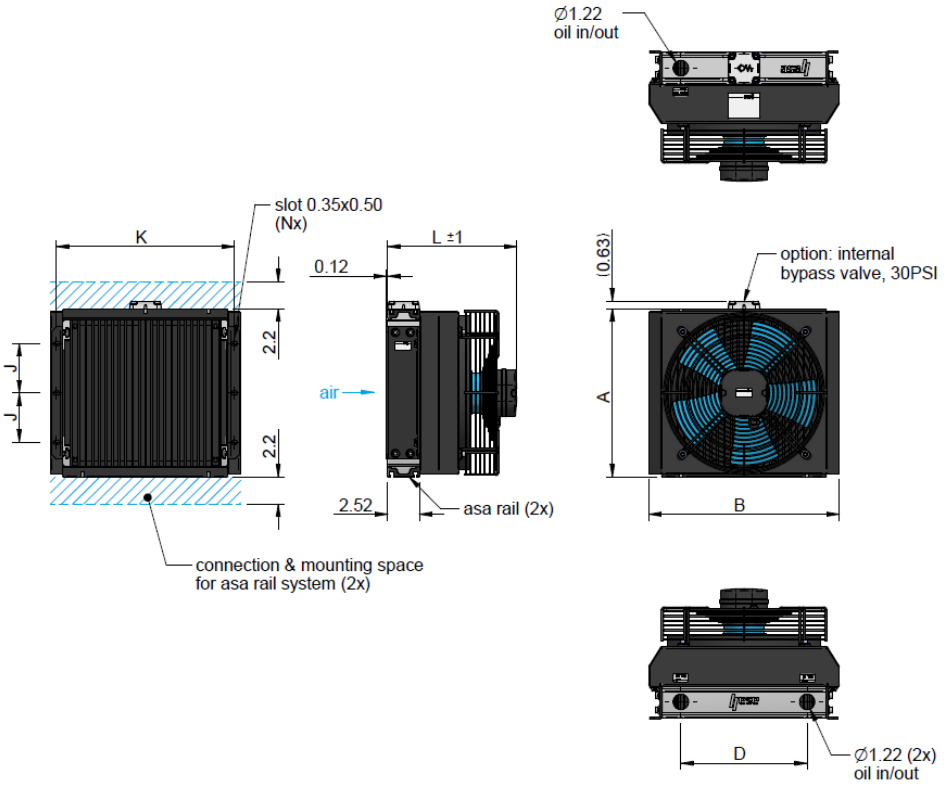
order number	description	fan power*	current*	fan protection	air flow*	noise level	optional internal bypass (30 PSI)
		[HP]	[A]		[CFM]	[dB(A)]	order number
A1T004ND03U0000U50	ASA 1T 004 12V DC	0.15	8.5	IP 68	340	74	A1T004PD03U0000U50
A1T004ND04U0000U50	ASA 1T 004 24V DC	0.15	4.2	IP 68	340	74	A1T004PD04U0000U50
A1T007ND01U0000U00	ASA 1T 007 12V DC	0.16	8,9	IP 68	501	70	A1T007PD01U0000U00
A1T007ND02U0000U00	ASA 1T 007 24V DC	0.16	4.7	IP 68	519	71	A1T007PD02U0000U00
A1T007ND05U0000U00	ASA 1T 007 12V DC HP	0.23	13.1	IP 68	609	74	A1T007PD05U0000U00
A1T007ND06U0000U00	ASA 1T 007 24V DC HP	0.31	8.7	IP 68	716	78	A1T007PD06U0000U00
A1T010ND05U0000U00	ASA 1T 010 12V DC	0.39	22.2	IP 68	1020	78	A1T007PD05U0000U00
A1T010ND06U0000U00	ASA 1T 010 24V DC	0.35	9.9	IP 68	1002	78	A1T007PD06U0000U00
A1T013ND05U0000U00	ASA 1T 013 12V DC	0.39	22.5	IP 68	1164	77	A1T013PD05U0000U00
A1T013ND06U0000U00	ASA 1T 013 24V DC	0.35	10.1	IP 68	1146	77	A1T013PD06U0000U00
A1T017ND03U0000U00	ASA 1T 017 12V DC	0.31	17.6	IP 68	1343	79	A1T017PD03U0000U00
A1T017ND04U0000U00	ASA 1T 017 24V DC	0.32	9.2	IP 68	1396	80	A1T017PD04U0000U00
A1T023ND03U0000U00	ASA 1T 023 12V DC	0.31	17.5	IP 68	1522	78	A1T023PD03U0000U00
A1T023ND04U0000U00	ASA 1T 023 24V DC	0.32	9.3	IP 68	1575	79	A1T023PD04U0000U00
A1T027ND03U0000U00	ASA 1T 027 12V DC	0.31	17.4	IP 68	1611	78	A1T027PD03U0000U00
A1T027ND04U0000U00	ASA 1T 027 24V DC	0.32	9.3	IP 68	1683	79	A1T027PD04U0000U00
A1T028ND05U0000U00	ASA 1T 028 12V DC	2x 0.40	2x 22.9	IP 68	2417	80	A1T028PD05U0000U00
A1T028ND06U0000U00	ASA 1T 028 24V DC	2x 0.35	2x 10.1	IP 68	2345	80	A1T028PD06U0000U00
A1T037ND03U0000U00	ASA 1T 037 12V DC	2x 0.31	2x 17.7	IP 68	2846	81	A1T037PD03U0000U00
A1T037ND04U0000U00	ASA 1T 037 24V DC	2x 0.32	2x 9.4	IP 68	2971	82	A1T037PD04U0000U00
A1T038ND05U0000U00	ASA 1T 038 12V DC	2x 0.39	2x 22.0	IP 68	2596	80	A1T038PD05U0000U00
A1T038ND06U0000U00	ASA 1T 038 24V DC	2x 0.34	2x 9.6	IP 68	2524	80	A1T038PD06U0000U00

**The stated fan performance data (fan power, current, and airflow) is based on the actual operating point of the integrated fan-cooling element assembly. It might be different on other installations.*

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TS – Bar & Plate
Oil / Air Cooler, 1T-Line
115V 60Hz, AC-compact



Dimensions

ordner number	description	A	B	D	J	K	L	N	weight
		[in]	[in]	[in]	[in]	[in]	[in]		[lbs]
A1T004NC2UU0000U50	ASA 1T 004 115V 60Hz 2-pole compact	9.25	9.84	4.41	2.95	8.86	10.24	4	15.44
A1T007NC2UU0000U50	ASA 1T 007 115V 60Hz 2-pole compact	11.81	12.80	6.93	3.39	11.42	10.24	4	19.80
A1T010NC4UU0000U50	ASA 1T 010 115V 60Hz 4-pole compact	13.39	15.16	10.04	3.94	14.17	10.24	6	26.50
A1T013NC4UU0000U50	ASA 1T 013 115V 60Hz 4-pole compact	16.54	16.14	10.04	9.17	15.20	10.24	4	33.10
A1T017NC4UU0000U50	ASA 1T 017 115V 60Hz 4-pole compact	18.31	18.31	12.91	6.02	17.17	11.42	6	43.21

Radiator

material:	aluminum
working temperature	-4°F to +176°F (oil temperature)*
air fin shape:	wavy
working pressure:	370 PSI (static)
compatible media	any mineral oil acc. DIN 51524

**...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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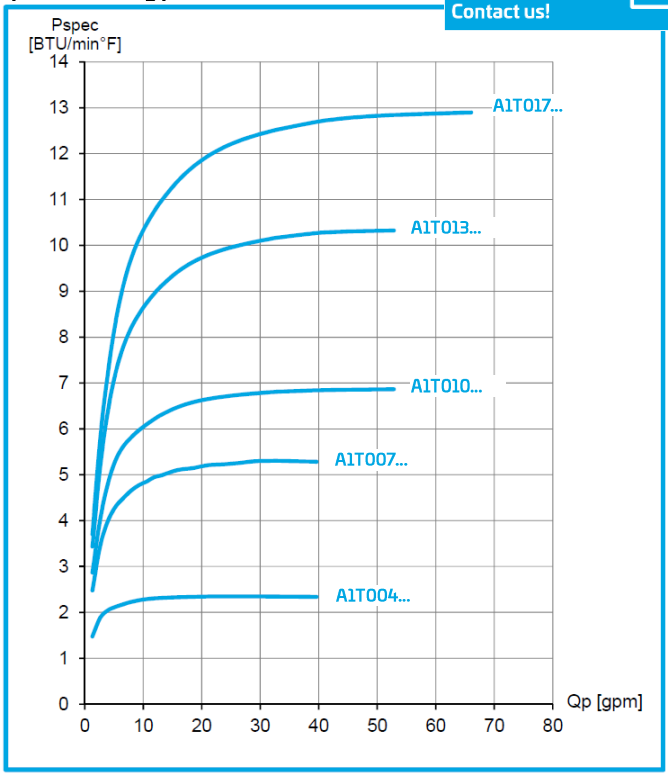
TS – Bar & Plate
Oil / Air Cooler, 1T-Line
115V 60Hz, AC-compact

all products water/glycol compatible

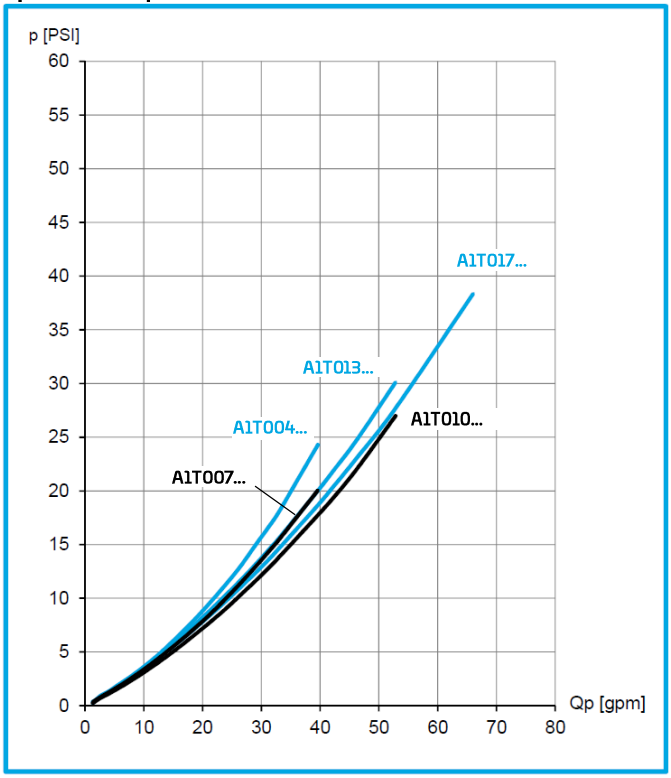
Contact us!

Performance

specific cooling performance



pressure drop at 150 SSU



Technical Data

order number	description	motor power	current	protec-tion	rotation	air flow	noise level	optional internal bypass (30PSI)
		[HP]	[A]		[rpm]	[CFM]	[db(A)]	order number
A1T004NC2UU0000U50	ASA 1T 004 115V 60Hz 2-pole compact	0.09	0.65	IP 44	2500	193	67	A1T004PC2UU0000U50
A1T007NC2UU0000U50	ASA 1T 007 115V 60Hz 2-pole compact	0.12	1.00	IP 44	2480	500	67	A1T007PC2UU0000U50
A1T010NC4UU0000U50	ASA 1T 010 115V 60Hz 4-pole compact	0.16	0.92	IP 44	1350	589	59	A1T010PC4UU0000U50
A1T013NC4UU0000U50	ASA 1T 013 115V 60Hz 4-pole compact	0.25	1.65	IP 44	1429	913	64	A1T013PC4UU0000U50
A1T017NC4UU0000U50	ASA 1T 017 115V 60Hz 4-pole compact	0.39	2.60	IP 54	1350	1089	66	A1T017PC4UU0000U50

Options

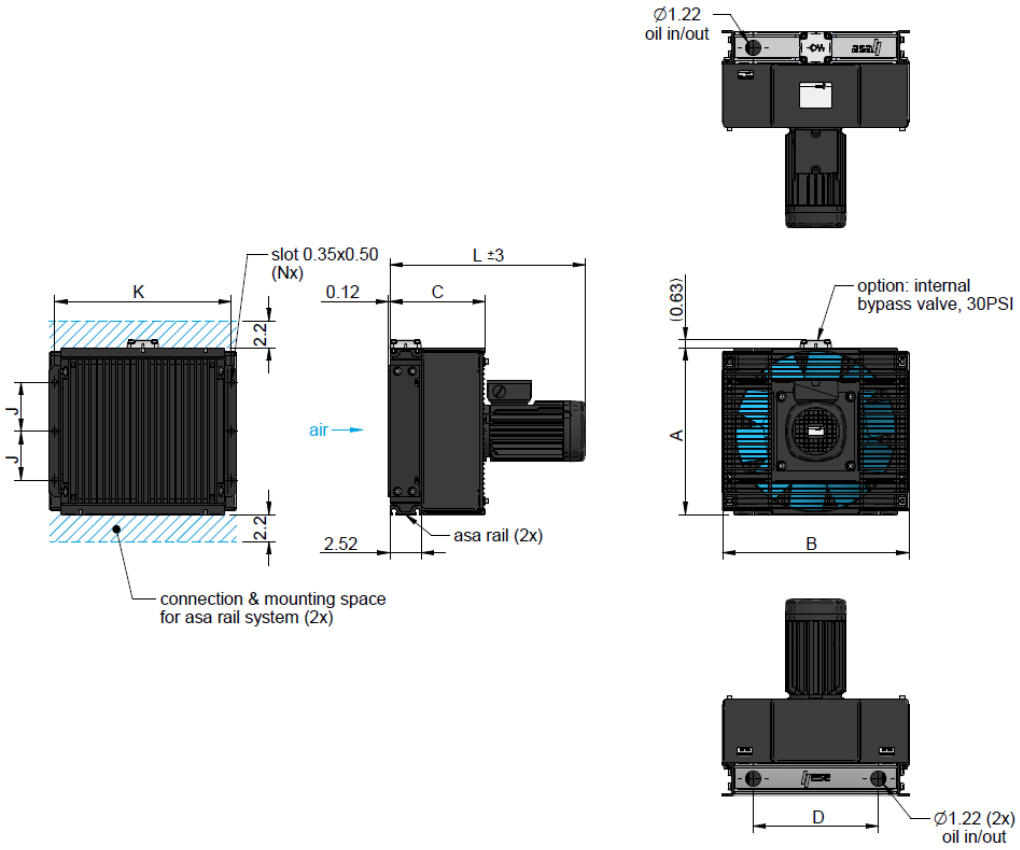
...contact us for more selections

connection	ILLZSET5U12U00 (SAE-12 ORB), ILLZSET5U16U00 (SAE-16 ORB), ILLZSET5U20U00 (SAE-20 ORB)
temperature control	ILLZTCACKU00
temperature switches	ILLZTH4765KU00, ILLZTH6065KU00
protection housings	available for sizes A1T007, -010, -017
foot mounting	ILLEFUSSTTKU00, ILLEFUSSTTHDKU00, ILLEGFUSSTTLKU00
internal bypass	alternative bypass settings (14.5 PSI / 72 PSI /thermal 72 PSI)
230V, 50Hz	on request
230/460V 60Hz 3-phase	on request

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TS – Bar & Plate
Oil / Air Cooler, 1T - Line
230/460V 60Hz AC



Dimensions

order number	description	A	B	C	D	J	K	L	N	weight
		[in]	[in]	[in]	[in]	[in]	[in]	[in]		[lbs]
A1T007NA4EU0000U00	ASA 1T 007 230/460V 0.34HP 4-pol	11.8	12.6	7.6	6.9	3.4	11.4	15.6	4	35.5
A1T007NA2FU0000U00	ASA 1T 007 230/460V 0.75HP 2-pol									37.5
A1T010NA4EU0000U00	ASA 1T 010 230/460V 0.34HP 4-pol	13.4	15.0	7.6	10.0	3.9	14.2	15.7	6	43.9
A1T010NA2HU0000U00	ASA 1T 010 230/460V 1.50HP 2-pol									46.1
A1T017NA6GU0000U00	ASA 1T 017 230/460V 0.50HP 6-pol	18.3	18.2	8.6	12.9	6.0	17.2	16.3	6	62.0
A1T017NA4FU0000U00	ASA 1T 017 230/460V 0.50HP 4-pol									60.4
A1T017NA2HU0000U00	ASA 1T 017 230/460V 1.50HP 2-pol									60.6
A1T027NA6GU0000U00	ASA 1T 027 230/460V 0.50HP 6-pol	23.8	22.0	8.7	16.6	8.2	20.9	17.3	6	90.8
A1T027NA4GU0000U00	ASA 1T 027 230/460V 0.75HP 4-pol									94.8
A1T038NA6GU0000U00	ASA 1T 038 230/460V 0.50HP 6-pol	23.8	29.0	9.4	23.5	8.2	28.0	18.9	6	89.7
A1T038NA4IU0000U00	ASA 1T 038 230/460V 1.50HP 4-pol							22.0		97.7
A1T038NA4LU0000U00	ASA 1T 038 230/460V 4.00HP 4-pol							23.4		127.7

Radiator

material:	aluminum
working temperature range:	-4°F to +176°F (oil temperature)*
air fin shape:	wavy
working pressure:	370 PSI (static)
compatible media	any mineral oil

**...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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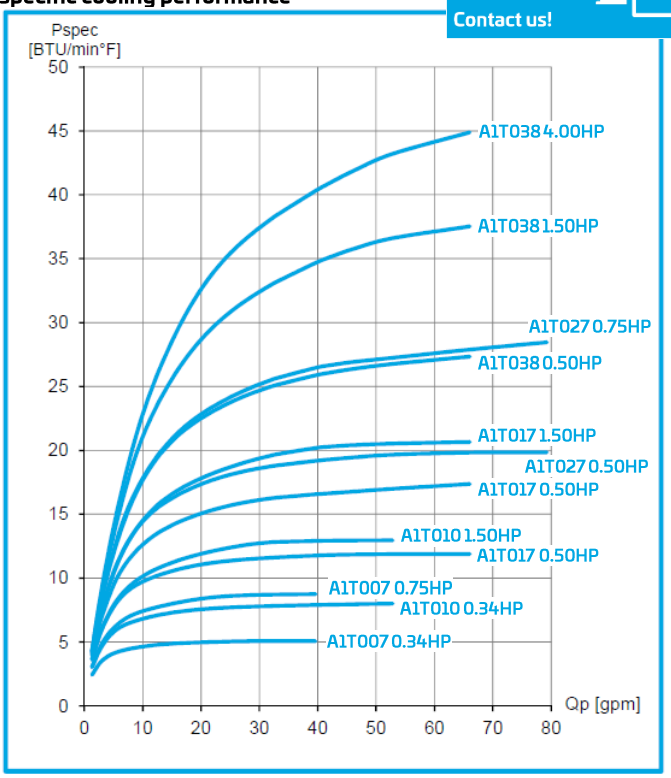
TS – Bar & Plate
Oil / Air Cooler, 1T - Line
230/460V 60Hz AC

Performance

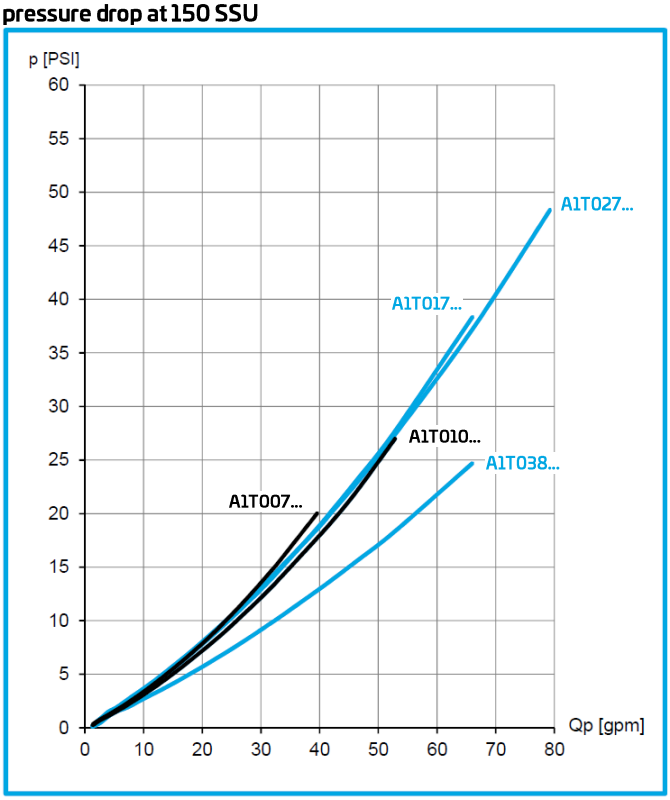
all products water/glycol compatible

Contact us!

specific cooling performance



pressure drop at 150 SSU



Technical Data

order number	description	motor power	current	protect-tion	rotation	air flow	noise level	optional internal bypass (30 PSI)
		[HP]	[A]		[rpm]	[CFM]	[db(A)]	order number
A1T007NA4EU0000U00	ASA 1T 007 230/460V 0.34HP 4-pol	0.34	0.7	IP 55	1730	510	74	A1T007PA4EU0000U00
A1T007NA2FU0000U00	ASA 1T 007 230/460V 0.75HP 2-pol	0.75	1.2	IP 55	3470	1137	89	A1T007PA2FU0000U00
A1T010NA4EU0000U00	ASA 1T 010 230/460V 0.34HP 4-pol	0.34	0.7	IP 55	1730	860	67	A1T010PA4EU0000U00
A1T010NA2HU0000U00	ASA 1T 010 230/460V 1.50HP 2-pol	1.50	4.0	IP 55	3480	1879	87	A1T010PA2HU0000U00
A1T017NA6GU0000U00	ASA 1T 017 230/460V 0.50HP 6-pol	0.50	0.6	IP 55	1120	1212	68	A1T017PA6GU0000U00
A1T017NA4FU0000U00	ASA 1T 017 230/460V 0.50HP 4-pol	0.50	1.0	IP 55	1720	1993	77	A1T017PA4FU0000U00
A1T017NA2HU0000U00	ASA 1T 017 230/460V 1.50HP 2-pol	1.50	4.0	IP 55	3480	2763	94	A1T017PA2HU0000U00
A1T027NA6GU0000U00	ASA 1T 027 230/460V 0.50HP 6-pol	0.50	1.1	IP 55	1120	1998	71	A1T027PA6GU0000U00
A1T027NA4GU0000U00	ASA 1T 027 230/460V 0.75HP 4-pol	0.75	1.4	IP 55	1720	3224	83	A1T027PA4GU0000U00
A1T038NA6GU0000U00	ASA 1T 038 230/460V 0.50HP 6-pol	0.50	1.1	IP 55	1120	2832	77	A1T038PA6GU0000U00
A1T038NA4IU0000U00	ASA 1T 038 230/460V 1.50HP 4-pol	1.50	2.1	IP 55	1730	4536	86	A1T038PA4IU0000U00
A1T038NA4LU0000U00	ASA 1T 038 230/460V 4.00HP 4-pol	4.00	5.5	IP 55	1755	6108	83	A1T038PA4LU0000U00

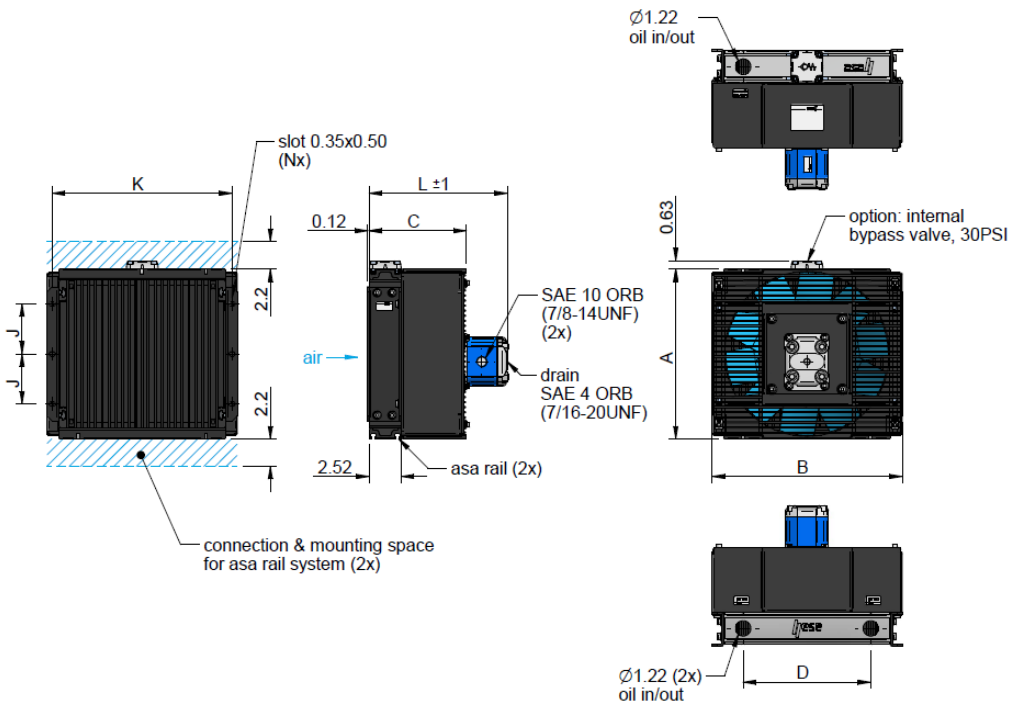
Options

...contact us for more selections

connection	ILLZSET5U12U00 (SAE-12 ORB), ILLZSET5U16U00 (SAE-16 ORB), ILLZSET5U20U00 (SAE-20 ORB)
temperature switches	ILLZTH4765KU00, ILLZTH6065KU00
protection housings	available for sizes A1T007, -010, -017
foot mounting	ILLEFUSSTTKU00, ILLEFUSSTTHDKU00, ILLEGFUSSTTLKU00
internal bypass	alternative bypass settings (14.5 PSI / 72 PSI /thermal 72 PSI)
motor data	alternative voltage, frequencies, IP classes, etc on request

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TS – Bar & Plate
Oil / Air Cooler, 1T - Line
0.67 in³ hydraulic drive



Dimensions

order number	description	A	B	C	D	J	K	L	N	weight
		[in]	[in]	[in]	[in]	[in]	[in]	[in]		[lbs]
A1T010NH11U0000U00	ASA 1T 010 0.67 in³ hydr.motor	13.39	15.00	7.64	10.04	3.94	14.17	10.87	6	37.5
A1T017NH11U0000U00	ASA 1T 017 0.67 in³ hydr.motor	18.31	18.19	8.62	12.91	6.02	17.17	11.50	6	52.9
A1T027NH11U0000U00	ASA 1T 027 0.67 in³ hydr.motor	23.82	21.97	8.62	16.61	8.21	20.87	11.50	6	70.6
A1T038NH11U0000U00	ASA 1T 038 0.67 in³ hydr.motor	23.82	28.98	9.41	23.07	8.21	27.87	14.45	6	97.0

Radiator

material:	aluminum
working temperature	-4°F to +176°F (oil temperature)*
air fin shape:	wavy
working pressure:	370 PSI (static)
compatible media	any mineral oil acc. ISO 6743-4

**...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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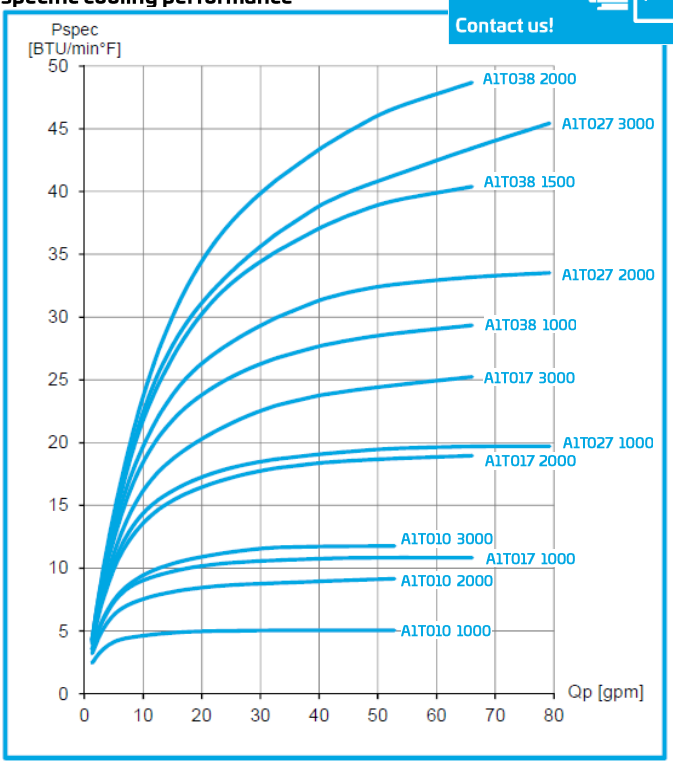
TS – Bar & Plate
Oil / Air Cooler, 1T - Line
0.67 in³ hydraulic drive

all products water/glycol compatible

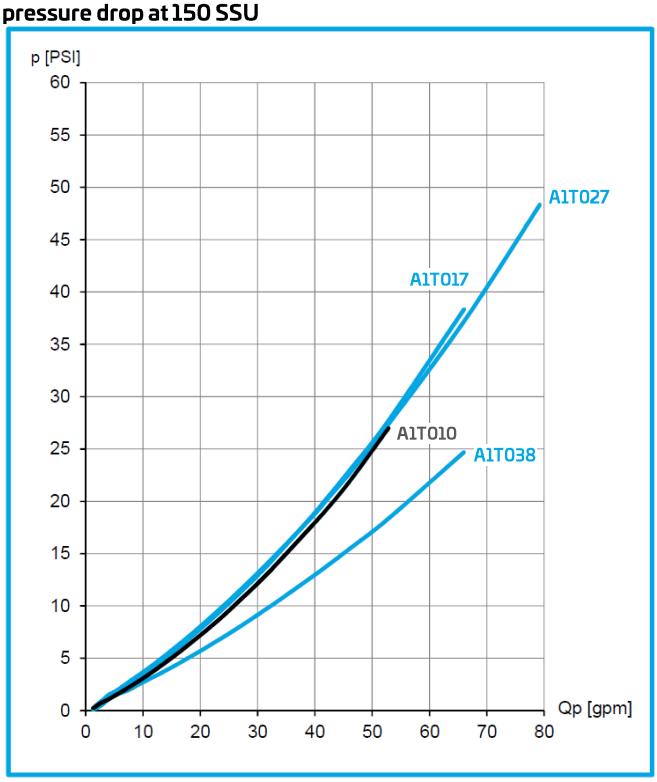
Contact us!

Performance

specific cooling performance



pressure drop at 150 SSU



Technical Data

order number	description	motor power	oil pressure	oil flow	rotation	air flow	noise level	optional internal bypass (30PSI)
		[HP]	[PSI]	[gpm]	[rpm]	[CFM]	[dB(A)]	order number
A1T010NH11U0000U00	ASA 1T 010 0.67 in³ hydr.motor	0.03	17	3.3	1000	625	53	A1T010PH11U0000U00
		0.23	66	6.7	2000	1259	72	
		0.78	149	10.0	3000	1913	82	
A1T017NH11U0000U00	ASA 1T 017 0.67 in³ hydr.motor	0.11	63	3.3	1000	1448	66	A1T017PH11U0000U00
		0.87	249	6.7	2000	2998	81	
		2.93	560	10.0	3000	4527	90	
A1T027NH11U0000U00	ASA 1T 027 0.67 in³ hydr.motor	0.19	109	3.3	1000	2510	69	A1T027PH11U0000U00
		1.55	444	6.7	2000	5145	84	
		5.25	1003	10.0	3000	7752	93	
A1T038NH11U0000U00	ASA 1T 038 0.67 in³ hydr.motor	0.50	312	3.1	1000	4099	71	A1T038PH11U0000U00
		1.71	712	4.6	1500	6249	86	
		4.06	1267	6.1	2000	8416	95	

Options

...contact us for more selections

connection	ILLZSET5U12U00 (SAE-12 ORB), ILLZSET5U16U00 (SAE-16 ORB), ILLZSET5U20U00 (SAE-20 ORB)
temperature switches	ILLZTH4765KU00, ILLZTH6065KU00
protection housings	available for sizes A1T010, -017
foot mounting	ILLEFUSSTTKU00, ILLEFUSSTTHDKU00, ILLEGFUSSTTLKU00
internal bypass	alternative bypass settings (14.5 PSI / 72 PSI /thermal 72 PSI)
hydraulic motor	alternative displacements on request

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