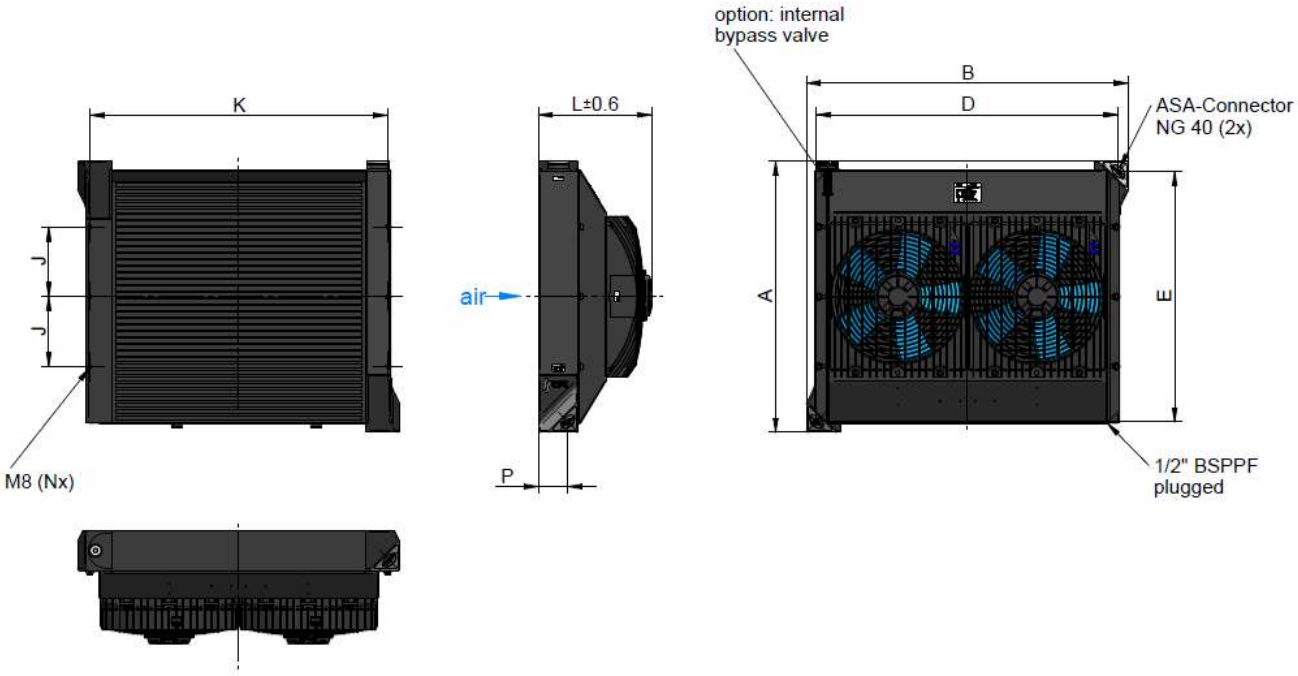
ASA Series Oil / Air Cooler
12V / 24V DC



Dimensions

order number	description	A	B	D	J	K	L	N	P	weight
		[in]	[in]	[in]	[in]	[in]	[in]		[in]	[lbs]
ASA0177AD01U00	ASA 0177 12V DC	18.35	22.91	21.06	6.02	20.47	8.98	4	2.68	54.01
ASA0177AD02U00	ASA 0177 24V DC	18.35	22.91	21.06	6.02	20.47	8.98	4	2.68	54.01
ASA0257AD03U00	ASA 0257 12V DC h.p.	21.85	27.17	25.00	8.21	24.41	10.20	6	2.68	79.81
ASA0257AD04U00	ASA 0257 24V DC h.p.	21.85	27.17	25.00	8.21	24.41	10.20	6	2.68	79.81
ASA0367AD01U00	ASA 0367 12V DC	25.28	30.00	28.11	6.50	27.72	10.55	6	2.68	91.93
ASA0367AD02U00	ASA 0367 24V DC	25.28	30.00	28.11	6.50	27.72	10.55	6	2.68	91.93

Technical Data

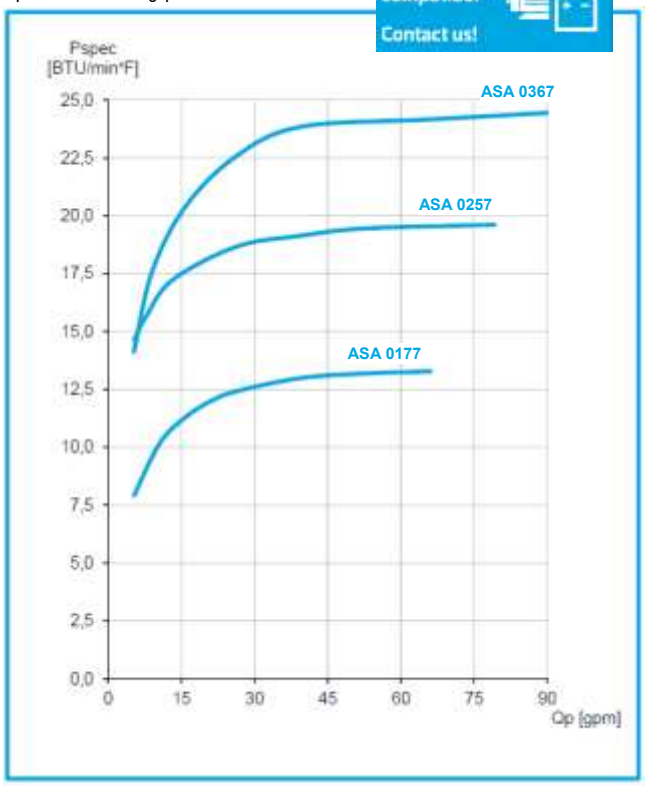
order number	description	motor power	current	protection level	air flow	noise level	optional internal bypass (30PSI)
		[HP	[A]		[CFM]	[db(A)]	cooler order number
ASA0177AD01U00	ASA 0177 12V DC	0.28*	21.2*	IP 68	1110	79	ASA0177AD01BPU00
ASA0177AD02U00	ASA 0177 24V DC	0.40*	11.4*	IP 68	1110	79	ASA0177AD02BPU00
ASA0257AD03U00	ASA 0257 12V DC	2x0.39	2x22.6	IP 68	2148	83	ASA0257AD03BPU00
ASA0257AD04U00	ASA 0257 24V DC	2x0.40	2x11.4	IP 68	2148	83	ASA0257AD04BPU00
ASA0367AD01U00	ASA 0367 12V DC	2x0.39	2x22.6	IP 68	2059	84	ASA0367AD01BPU00
ASA0367AD02U00	ASA 0367 24V DC	2x0.40	2x11.4	IP 68	2059	84	ASA0367AD02BPU00

...single fan

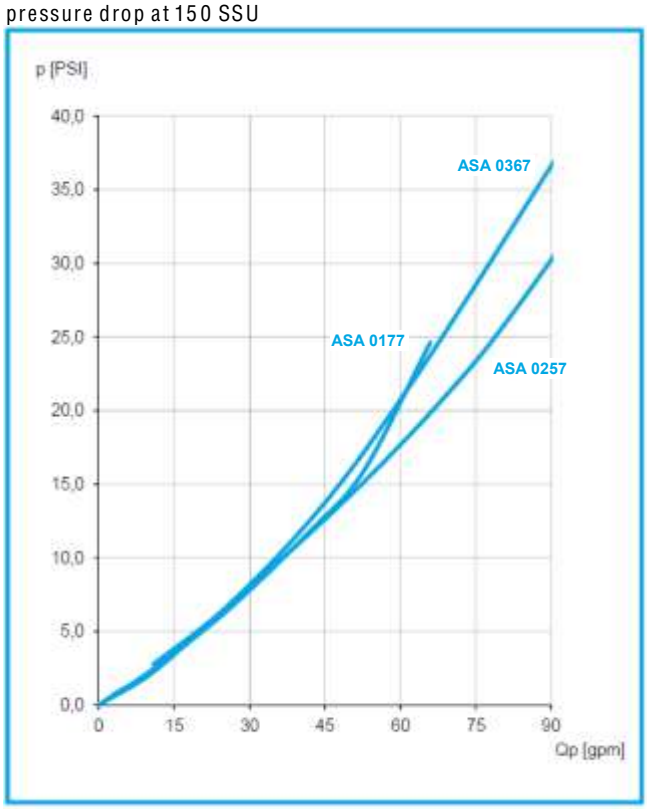
ASA Series Oil / Air Cooler
12V / 24V DC

Performance

specific cooling performance



pressure drop at 150 SSU



Radiator Style C

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

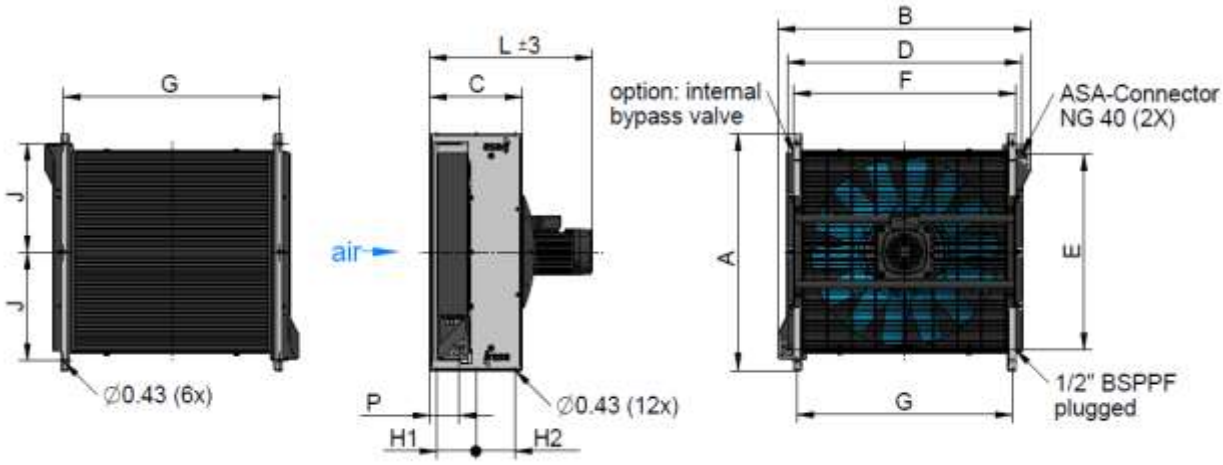
temperature control	ILLZTC12-2KU00or 24-2KU00 + ILLZTT5069KU00 (page 30,34)
temperature switches	ILLZTH5069KU00, ILLZTH4765KU00, ILLZTH6065KU00 (page 35)
Intermediate plate NG40	ILLZASA40-40G12U00 (page 29)
internal bypass	alternative bypass settings (7 PSI / 50 PSI)

Installation System (see more information on page 29)

connection UN 1 5/8"	ILLZASA32U32 (2 pieces per cooler required)
connection UN 1 7/8"	ILLZASA40U24 (2 pieces per cooler required)

ASA Series Oil / Air Cooler

230/460 60Hz AC



Dimensions

order number	description	A	B	C	D	E	F	G	H1	H2	J	L	P	weight
		[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[lbs]
ASA0177AA64U00	ASA 0177 0.25HP AC	20.87	22.91	10.24	21.02	16.38	18.19	17.40	4.72	3.54	19.29	19.1	3.50	86.60
ASA0177AA45U00	ASA 0177 0.50HP AC	20.87	22.91	10.24	21.02	16.38	18.19	17.40	4.72	3.54	19.29	19.1	3.50	85.30
ASA0257AA66U00	ASA 0257 0.50HP AC	25.00	26.85	10.63	24.96	19.72	22.13	21.34	4.33	4.33	11.02	20.5	3.66	107.14
ASA0257AA46U00	ASA 0257 0.75HP AC	25.00	26.85	10.63	24.96	19.72	22.13	21.34	4.33	4.33	11.02	20.5	3.66	106.48
ASA0257AA47U00	ASA 0257 1.02HPAC	25.00	26.85	10.63	24.96	19.72	22.13	21.34	4.33	4.33	11.02	20.5	3.66	106.48
ASA0367AA66U00	ASA 0367 0.50HP AC	28.35	30.00	11.02	28.15	23.46	26.61	25.83	4.72	4.72	12.99	21	3.62	138.60
ASA0367AA46U00	ASA 0367 0.75HP AC	28.35	30.00	11.02	28.15	23.46	26.61	25.83	4.72	4.72	12.99	21	3.62	130.90
ASA0367AA48U00	ASA 0367 1.50HP AC	30.91	30.00	11.02	28.15	23.46	26.61	25.83	4.72	4.72	12.99	21	3.62	141.02
ASA0467AA66U00	ASA 0467 0.50HP AC	30.91	32.95	11.42	31.06	26.30	29.84	29.06	4.92	4.92	14.76	21.7	3.70	175.78
ASA0467AA48U00	ASA 0467 1.50HP AC	30.91	32.95	11.42	31.06	26.30	29.84	29.06	4.92	4.92	14.76	21.7	3.70	189.70
ASA0467AA4BU00	ASA 0467 4.00HP AC	30.91	32.95	11.42	31.06	26.30	29.84	29.06	4.92	4.92	14.76	25	3.70	236.30
ASA0567AA66U00	ASA 0567 0.50HP AC	33.86	36.22	11.42	34.06	29.37	32.52	31.73	4.92	4.92	15.75	21.4	3.62	174.90
ASA0567AA48U00	ASA 0567 1.50HP AC	33.86	36.22	11.42	34.06	29.37	32.52	31.73	4.92	4.92	15.75	21.4	3.62	177.32
ASA0567AA4BU00	ASA 0567 4.00HP AC	33.86	36.22	11.42	34.06	29.37	32.52	31.73	4.92	4.92	15.75	24.7	3.62	203.06
ASA0727AA6AU00	ASA 0727 3.00HP AC	37.80	39.84	14.17	37.95	33.54	36.85	35.91	6.30	6.30	18.11	25.2	3.74	296.12
ASA0727AA4BU00	ASA 0727 4.00HP AC	37.80	39.84	14.17	37.95	33.54	36.85	35.91	6.30	6.30	18.11	25.2	3.74	289.30
ASA0927AA6CU00	ASA 0927 3.00HP AC	43.31	46.06	12.60	43.90	35.91	41.65	40.59	5.12	5.12	20.57	26.1	3.43	309.10
ASA0927AA6EU00	ASA 0927 5.50HP AC	43.31	46.06	12.60	43.90	35.91	41.65	40.59	5.12	5.12	20.57	28.6	3.43	392.92

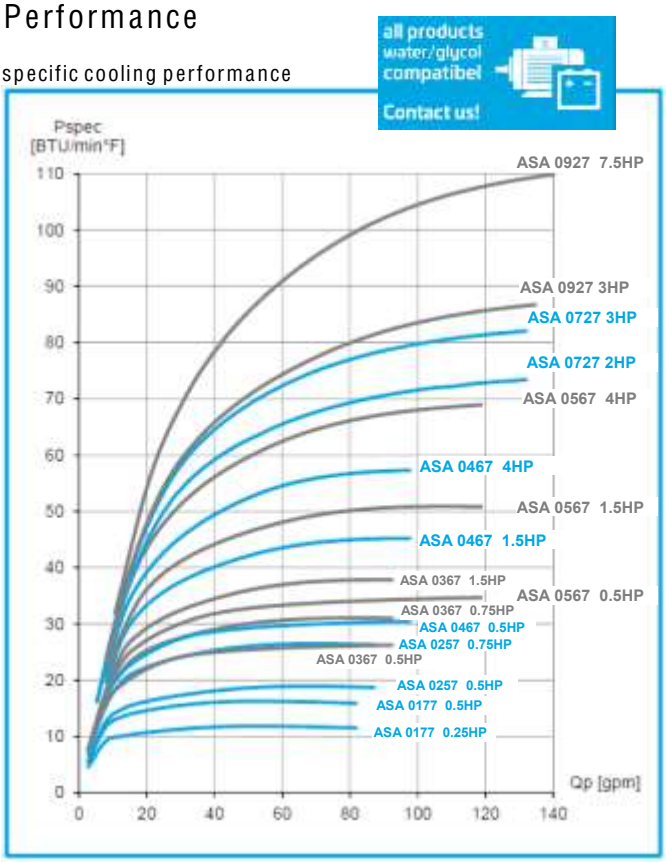
Technical Data

order number	description	motor power	current	protection level	rotation	air flow	noise level	optional internal bypass (30PSI)
		[HP]	[A]		[rpm]	[CFM]	[db(A)]	cooler order number
ASA0177AA64U00	ASA 0177 0.25HP AC	0.25	0.6	IP 55	1120	1164	71	ASA0177AA64BPU00
ASA0177AA45U00	ASA 0177 0.50HP AC	0.50	1.0	IP 55	1655	1760	79	ASA0177AA45BPU00
ASA0257AA66U00	ASA 0257 0.50HP AC	0.50	1.1	IP 55	1105	1896	72	ASA0257AA66BPU00
ASA0257AA46U00	ASA 0257 0.75HP AC	0.75	1.4	IP 55	1680	2976	81	ASA0257AA46BPU00
ASA0367AA66U00	ASA 0367 0.50HP AC	0.50	1.1	IP 55	1105	2866	80	ASA0367AA66BPU00
ASA0367AA46U00	ASA 0367 0.75HP AC	0.75	1.4	IP 55	1680	3537	88	ASA0367AA46BPU00
ASA0367AA48U00	ASA 0367 1.50HP AC	1.50	2.1	IP 55	1720	4544	89	ASA0367AA48BPU00
ASA0467AA66U00	ASA 0467 0.50HP AC	0.50	1.1	IP 55	1105	3294	80	ASA0467AA66BPU00
ASA0467AA48U00	ASA 0467 1.50HP AC	1.50	2.1	IP 55	1720	5441	90	ASA0467AA48BPU00
ASA0467AA4BU00	ASA 0467 4.00HP AC	4.00	5.5	IP 55	1730	7972	93	ASA0467AA4BBPU00
ASA0567AA66U00	ASA 0567 0.50HP AC	0.50	1.1	IP 55	1105	3559	80	ASA0567AA66BPU00
ASA0567AA48U00	ASA 0567 1.50HP AC	1.50	2.1	IP 55	1720	5937	90	ASA0567AA48BPU00
ASA0567AA4BU00	ASA 0567 4.00HP AC	4.00	5.5	IP 55	1730	9093	93	ASA0567AA4BBPU00
ASA0727AA6AU00	ASA 0727 3.00HP AC	3,00	3,80	IP 55	1130	9241	84	ASA0727AA6ABPU00
ASA0727AA4BU00	ASA 0727 4.00HP AC	4,00	5,50	IP 55	1730	10968	97	ASA0727AA4BBPU00
ASA0927AA6CU00	ASA 0927 3.00HP AC	3.00	3.8	IP 55	1130	11971	93	on request
ASA0927AA6EU00	ASA 0927 5.50HP AC	5.50	6,60	IP 55	1175	15032	93	on request

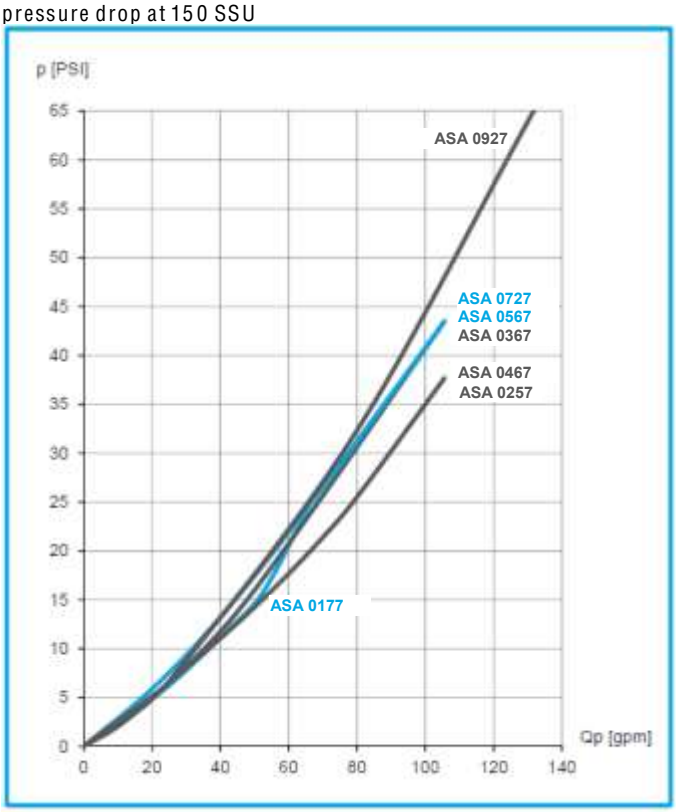
ASA Series Oil / Air Cooler
230/460 60Hz AC

Performance

specific cooling performance



pressure drop at 150 SSU



Radiator Style C

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

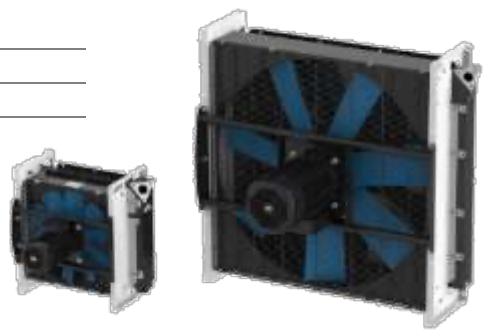
**...the indicated temperature is the maximum inlet temperature for the cooler radiator. Depending on the sealings in use, the application needs appropriate checking.*

Options

motor data	alternative voltages, frequencies, IP classes, etc on request
temperature switch	ILLZTH4765KU00, ILLZTH6065KU00 (page 35)
tread plate & radiator guard	see page 31
internal bypass	alternative bypass settings (7 PSI / 50 PSI)
Intermediate plate NG40	ILLZASA40-40G12 (page 29)

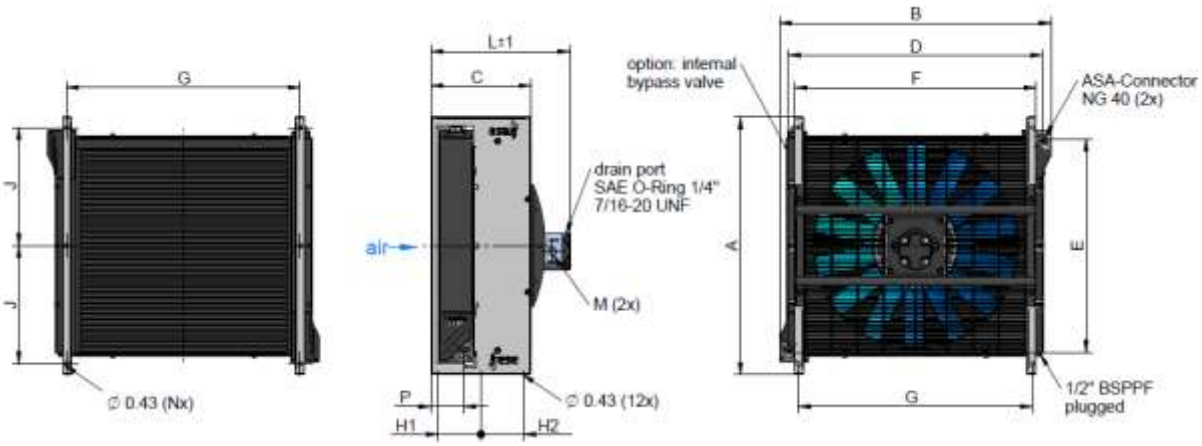
Installation System (see more information on page 29)

connection NG 32-UN 1 5/8"	ILLZASA32U20 (2 pieces per cooler required)
connection NG 40-UN 1 7/8"	ILLZASA40U24 (2 pieces per cooler required)



ASA Series Oil / Air Cooler

with 0.73in³and 0.67 in³ hydraulic drive



Dimensions

order number	description	A	B	C	D	E	F	G	H1	H2	J	L	P	weight
		[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[lbs]
ASA0177AH12U00	ASA 0177 hydr. motor 0.73in³	20.87	22.91	10.24	21.02	16.38	18.19	17.40	4.72	3.54	19.29	14.33	3.50	78.9
ASA0257AH12U00	ASA 0257 hydr. motor 0.73in³	25.00	26.85	10.63	24.96	19.72	22.13	21.34	4.33	4.33	11.02	15.08	3.66	98.1
ASA0367AH11U00	ASA 0367 hydr. motor 0.67in³	28.35	30.39	11.02	28.15	23.46	26.61	25.83	4.72	4.72	12.99	16.93	3.62	124.3
ASA0467AH11U00	ASA 0467 hydr. motor 0.67in³	31.91	32.95	11.42	31.06	26.30	29.84	29.06.	4.92	4.92	14.76	17.64	3.70	160.7
ASA0567AH11U00	ASA 0567 hydr. motor 0.67in³	33.86	36.22	11.42	34.06	29.37	32.52	31.73	4.92	4.92	15.75	17.64	3.62	163.4
ASA0727AH11U00	ASA 0727 hydr. motor 0.67in³	37.80	39.84	14.17	37.95	33.54	36.85	35.91	6.30	6.30	18.11	20.51	3.74	227.1
ASA0927AH11U00	ASA 0927 hydr. motor 0.67in³	43.31	46.06	12.60	43.09	35.91	41.65	40.59	5.12	5.12	19.86	18.70	3.43	275.6

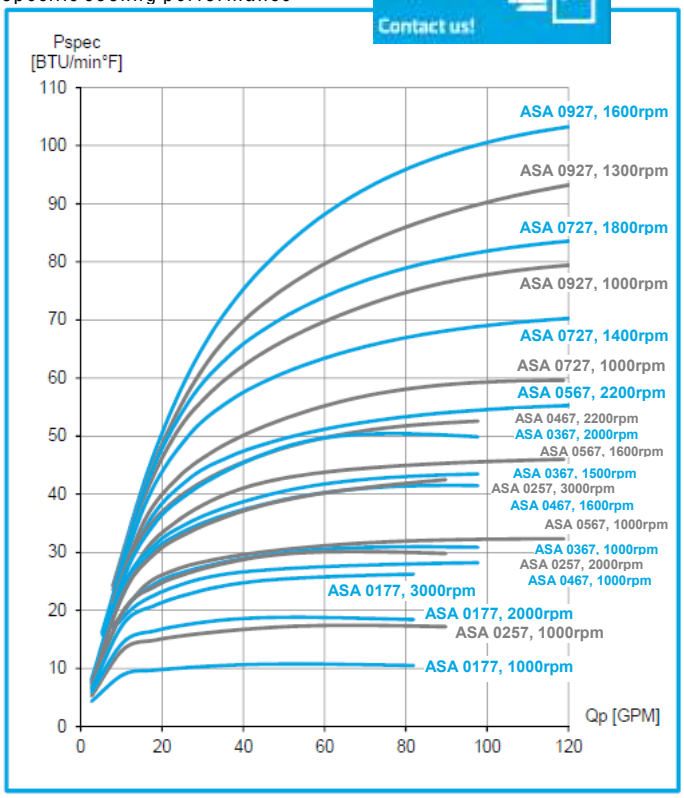
Technical Data

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)]	cooler order number
ASA0177AH12U00	ASA 0177 hydr. motor 0.73in³	0.08	46	3,3	1000	1038	69	ASA0177AH11BPU00
		0.60	172	6,7	2000	2161	84	
		2.00	382	10,0	3000	3323	92	
ASA0257AH12U00	ASA 0257 hydr. motor 0.73in³	0.14	80	3,3	1000	1713	70	ASA0257AH12BPU00
		1.11	318	6,7	2000	3590	85	
		3.70	707	10,0	3000	5510	94	
ASA0367AH11U00	ASA 0367 hydr. motor 0.67in³	0.60	375	3,1	1000	3522	74	ASA0367AH11BPU00
		2.06	857	4,6	1500	5545	83	
		4.91	1532	6,1	2000	7428	89	
ASA0467AH11U00	ASA 0467 hydr. motor 0.67in³	0.28	175	3,1	1000	2955	78	ASA0467AH11BPU00
		1.14	445	4,9	1600	4866	88	
		2.97	843	6,7	2200	6803	95	
ASA0567AH11U00	ASA 0567 hydr. motor 0.67in³	0.27	169	3,1	1000	3200	78	ASA0567AH11BPU00
		1.10	429	4,9	1600	5260	88	
		2.86	811	6,7	2200	7308	95	
ASA0727AH11U00	ASA 0727 hydr. motor 0.67in³	0.65	406	3,1	1000	6120	85	ASA0727AH11BPU00
		1.80	803	4,3	1400	8746	93	
		3.81	1321	5,5	1800	11430	98	
ASA0927AH11U00	ASA 0927 hydr. motor 0.67in³	2.05	1280	3,1	1000	10483	90	on request
		4.50	2161	4,0	1300	13967	96	
		8.34	3254	4,9	1600	17534	100	

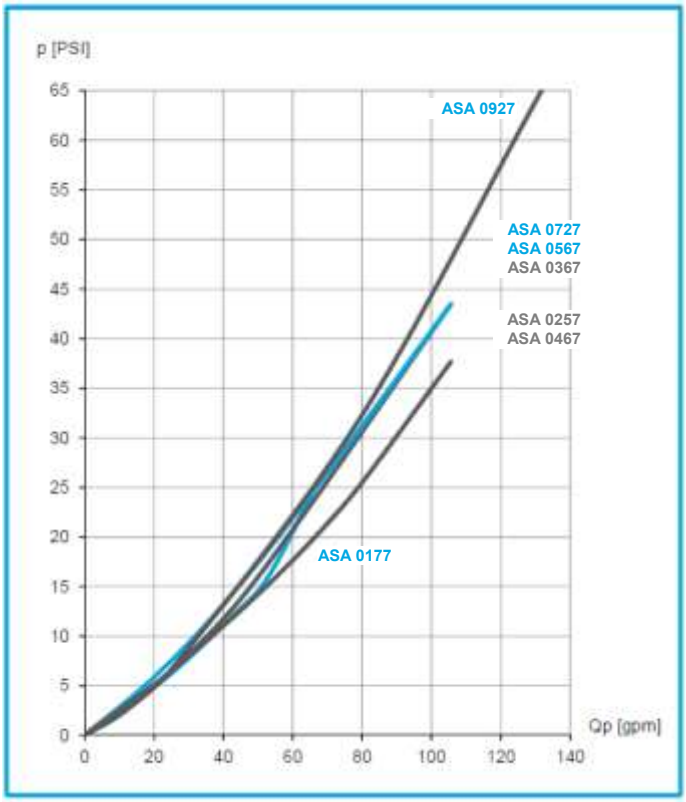
ASA Series Oil / Air Cooler
with 0.73in³and 0.67 in³ hydraulic drive

Performance

specific cooling performance



pressure drop at 150 SSU



Radiator Style C

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

hydraulic motor	alternative displacements on request
temperature switch	ILLZTH4765KU00, ILLZTH6065KU00 (page 35)
tread plate & radiator guard	see page 31
internal bypass	alternative bypass settings (7 PSI / 50 PSI)
Intermediate plate NG 40	ILLZASA40-40G12U00 (page 29)

Installation System (see more information on page 29)

connection UN 1 5/8"	ILLZASA32U20U00 (2 pieces per cooler required)
connection UN 1 7/8"	ILLZASA40U24U00 (2 pieces per cooler required)

Accessories
Connector ASA Series

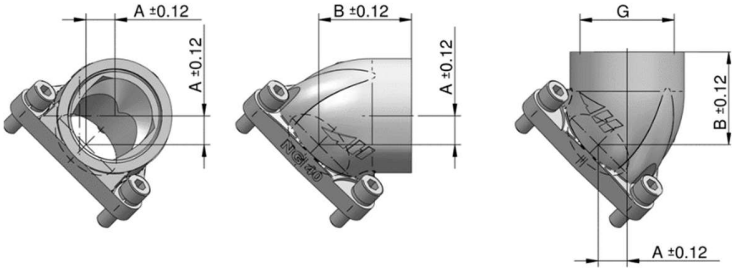
Description
The asa universal connector is a patented system that offers many possibilities regarding dimension and direction of the hydraulic connection.

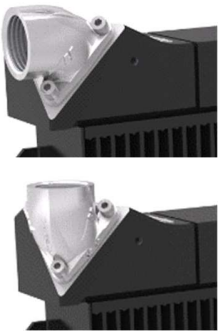
With each connector you can choose from 3 directions how to install it into the hydraulic circuit. The stream optimized design reduces the total pressure drop on the cooler. The omission of screwed joints reduces the number of sealing surfaces. The available connector dimensions depend on the cooler size and are shown in the table below.

Our newest option is an intermediate plate for having an additional BSP ½" port, which can also be turned in any required direction.

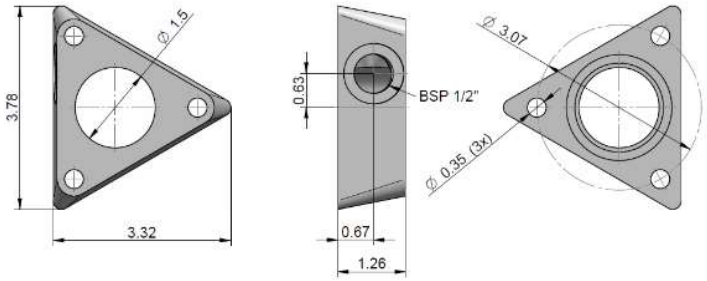
Dimensions

AUC NG 32 – 40 Connectors





Intermediate plate NG 40



Technical Data

order number	description	A	B	G	connector material	o-ring	weight
		[in]	[in]				[lbs]
ILLZASA32U20U00	AUC NG 32 – UN 1⅝"	0.55	1.34	UN 1⅝"	aluminum	NBR 70 shore, 1.73x0.12in	0.68
ILLZASA40U24U00	AUC NG 40 – UN 1⅞"	0.59	1.85	UN 1⅞"			0.64
ILLZASA32G32U00	AUC NG 32 – G 1 ¼"	0.59	1.34	BSP 1			0.70
ILLZASA40G40U00	AUC NG 40 – G 1 ½"	0.59	1.85	BSP 1			0.60
ILLZASA40-40G12U00	intermediate plate NG 40	-	-	-			0.66

Content (except intermediate plate)

asa universal connector	2x
o-ring	2x
screw	6x

requires 2pcs per cooler

packed size: 2 pieces

Fits On Cooler Types

ILLZASA32U20U00	ASA 0177, 0257, 0367, 0467, 0567, 0727, 0927
ILLZASA40U24U00	ASA 0177, 0257, 0367, 0467, 0567, 0727, 0927