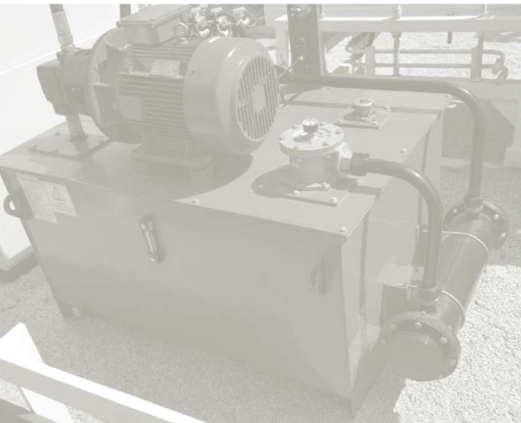




Thermal Systems

Shell & Tube Heat Exchanger

Quick Ship Program



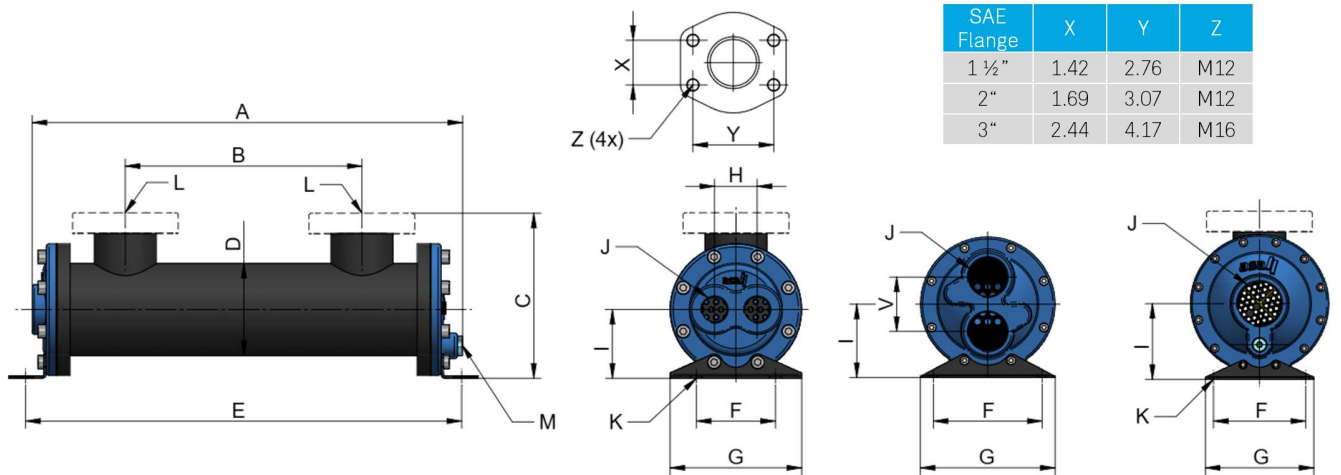
**be different.
make a difference.**

Shell & Tubes Heat Exchanger



Our ST series is a modular range of shell and tube design heat exchangers. The main benefits of this design are the versatility of applications independent of the used fluid quality and good maintenance ability compared to other heat exchanger types. This catalogue shows the standard stocked items for the American market that covers the most used models in the market.

>SHORT LEADTIMES FROM US STOCK<



TWO PASS

ONE PASS

Dimension

order number	A	B	C	D	E	F	G	H	I	J	K	L	weight
	[in]	[in]	Thread NPT [in]	∅ [in]	[in]	[in]	[in]	[in]	[in]	NPT	slot [in]	NPT	[lbs]
ILWSTCANN03081FU00	11.14	2.99	5.47	3.50	10.71	2.99	5.00	-	2.60	1 1/4"	0.43X0.75	1 1/2"	15.4
ILWSTCANN02082FU00	10.39	3.86	3.90	2.56	10.43	2.52	3.50	1.14	1.61	3/8"	0.35x0.63	3/4"	6.6
ILWSTCANN03082FU00	10.39	2.99	5.47	3.50	10.71	2.99	5.00	1.61	2.60	3/4"	0.43x0.75	1 1/2"	15.4
ILWSTCANN03182FU00	20.39	12.99	5.47	3.50	20.71	2.99	5.00	1.61	2.60	3/4"	0.43x0.75	1 1/2"	22.0
ILWSTCANN03242FU00	26.18	18.98	5.47	3.50	26.69	2.99	5.00	1.61	2.60	3/4"	0.43x0.75	1 1/2"	26.5
ILWSTCANN05182FU00	20.55	12.20	7.48	5.00	21.46	4.02	6.50	2.40	4.02	1"	0.43x0.98	1 1/2"	41.9
ILWSTCANN05242FU00	26.73	18.19	7.48	5.00	27.44	4.02	6.50	2.40	4.02	1"	0.43x0.98	1 1/2"	48.5
ILWSTCANN05362FU00	38.74	30.20	7.48	5.00	39.45	4.02	6.50	2.40	4.02	1"	0.43x0.98	1 1/2"	66.1
ILWSTCANN05482FU00	50.75	42.17	7.48	5.00	51.42	4.02	6.50	2.40	4.02	1"	0.43x0.98	1 1/2"	77.2
ILWSTDANN08482FU00	57.24	42.76	11.30	8.62	53.90	7.01	8.27	-	5.75	2 1/2"	0.63x0.87	3"	251.3

Materials

shell	carbon steel
tube sheet	carbon steel
tube	copper
bonnet	cast iron
extended fins	aluminium
mounting brackets	carbon steel

Working pressure

shell side (oil side)	max. 290 PSI
tube side	max. 145 PSI

Max. working temperature

oil	248°F
water	212°F

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/EG 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.

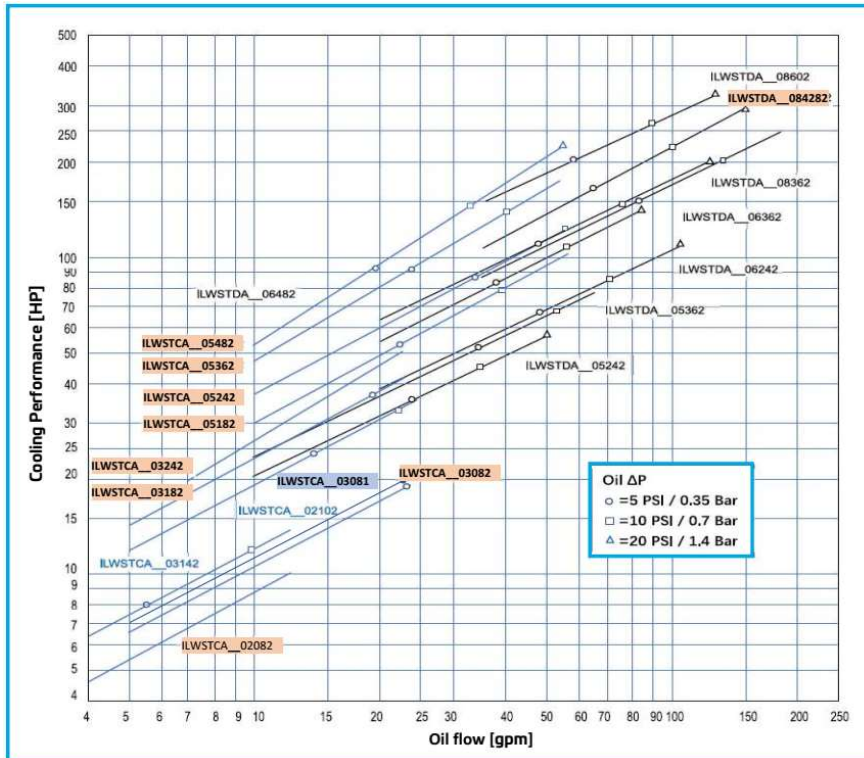
Shell & Tubes Heat Exchanger



Performance at 150SSU

2:1 Oil to Water Ratio-Medium Water Usage

1:1 Oil to Water Ratio-High Water Usage



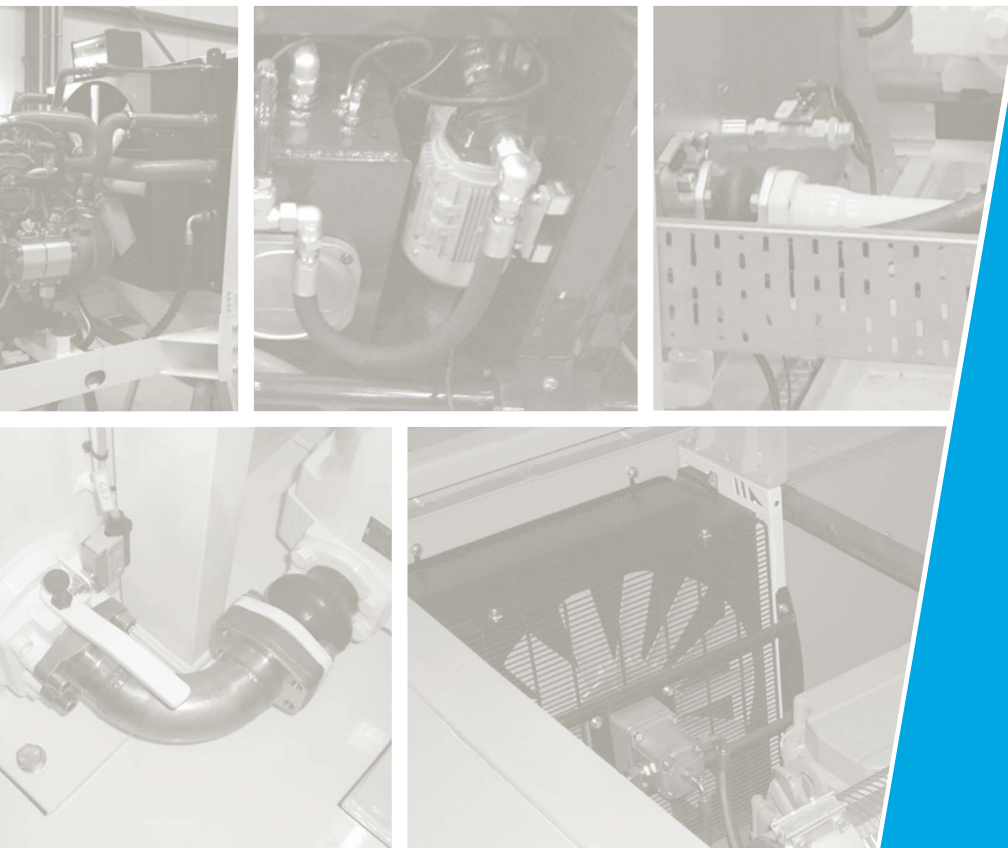
Maximum Water Flow Rates 1 Pass	
size	[gpm]
2"	13

Maximum Water Flow Rates 2 Pass	
size	[gpm]
2"	6.1
3"	11.9
5" (0.20 in)	28.0
5" (0.37 in)	32.0
8"	109.9



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