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## Brazed Plate Heat Exchangers



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## E Series

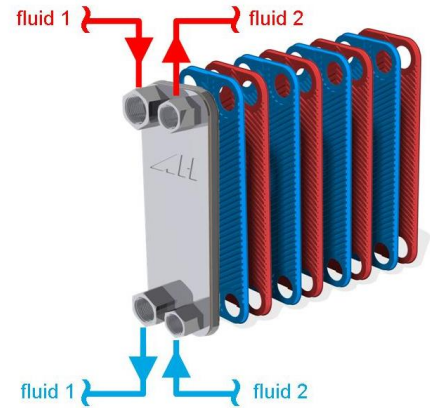


### Progress In Cooling

The asa E plate heat exchanger is designed for both cooling and heating applications. It is commonly used to cool hydraulic fluid and lubricating oil and can be used for water, air, steam and gas applications.

The benefits of asa E plate heat exchangers are:

- strength
- safety
- downsizing
- high thermal efficiency
- low maintenance
- no gaskets – no leaks



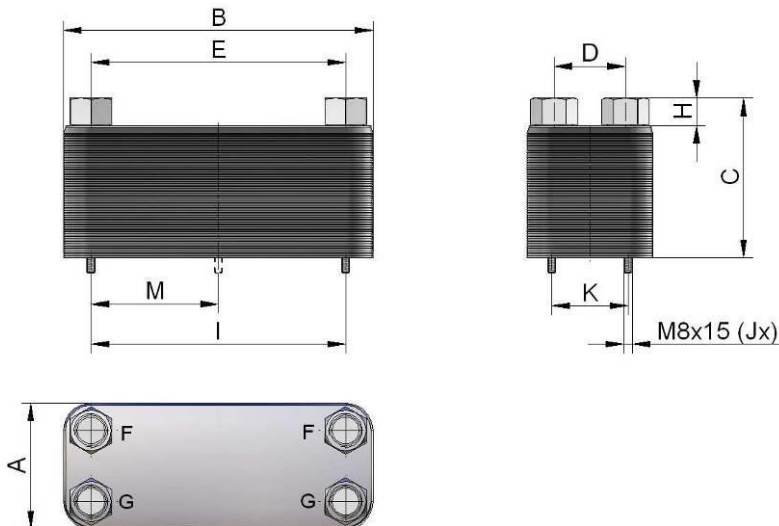
### Design

The asa E plate heat exchanger is designed for maximum heat transfer using profiled plates of acid proof stainless steel. The plates form channels through which oil and water pass (alternating every other channel). At the front and back side of the plate package there are cover plates. The cooler plates are brazed together at all outer and inner points of contact. The cooler can be installed in charge-pump circuits as well as in return lines with high pressure variations.

### Standard Range

Our standard range of plate heat exchanger covers a large field of applications to ensure you competitive pricing, high quality and short delivery times. Contact us for more information and non standard coolers to work out the optimal solution for you.

### Scale Drawing



material	
plates	steel 1.4401
upper plate	steel 1.4301
connectors	steel 1.4301
solder	copper CW004A
pressure	
test pressure	43 bar
max. working pressure	30 bar

### Technical Data

order number	description	A	B	C	D	E	F	G	H	I	J	K	M	weight
		[mm]	[mm]	[mm]	[mm]	[mm]			[mm]	[mm]	# of bolts	[mm]	[mm]	[kg]
ILWPL10014EK	ASA – PL 10-14 E	73	205	64,5	42	172	G 1/2"	G 1/2"	27	120	2	-	-	1,8
ILWPL20020EK	ASA – PL 20-20 E	80	194	82	40	154	G 3/4"	G 3/4"	27	150	2	-	-	2,3
ILWPL22030EK	ASA – PL 22-30 E	106	306	109	50	250	G 1"	G 3/4"	27	250	4	40	-	6,1
ILWPL40050EK	ASA – PL 40-50 E	124	304	157	70	250	G 1"	G 1"	27	250	4	75	-	10,2
ILWPL53020EK	ASA – PL 53-20 E	124	504	85	64	444	G 1"	G 1"	27	450	4	75	-	8,8
ILWPL53040EK	ASA – PL 53-40 E	124	504	133	64	444	G 1"	G 1"	27	450	4	75	-	13,1
ILWPL53060EK	ASA – PL 53-60 E	124	504	181	64	444	G 1"	G 1"	27	450	4	75	-	18,4
ILWPL70060EK	ASA – PL 70-60 E	246	528	182,	174	456	G 1 1/2"	G 1 1/2"	27	420	6	150	210	39,9

This data sheet shows a 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. The information in this data sheet is intended to be used as a first general guideline only. asa assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. The cooling performance and the general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Due to different conditions in testing and application environments the cooling performance may also vary by +/- 15%. Therefore we recommend all coolers 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.

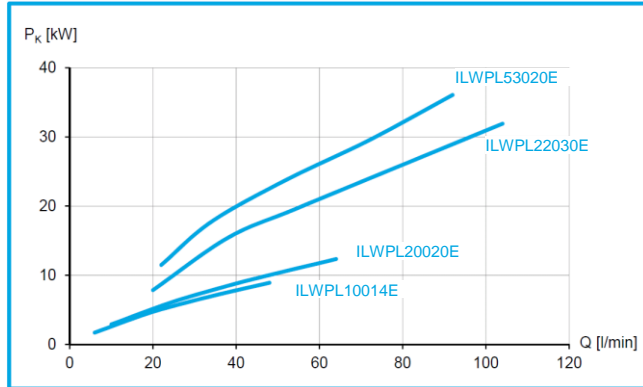
# Brazed Plate Heat Exchangers

## E Series

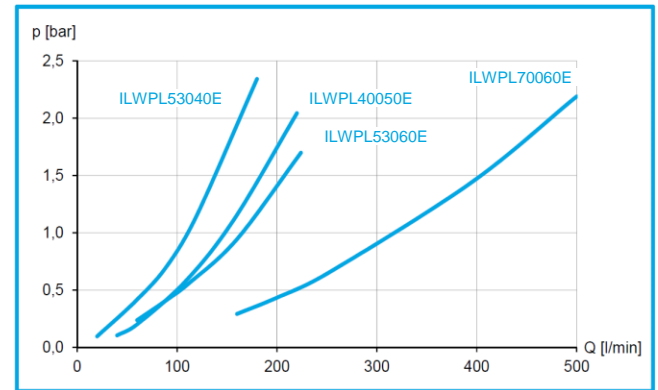
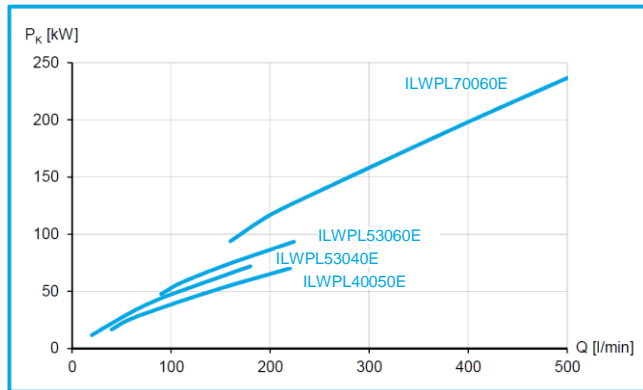
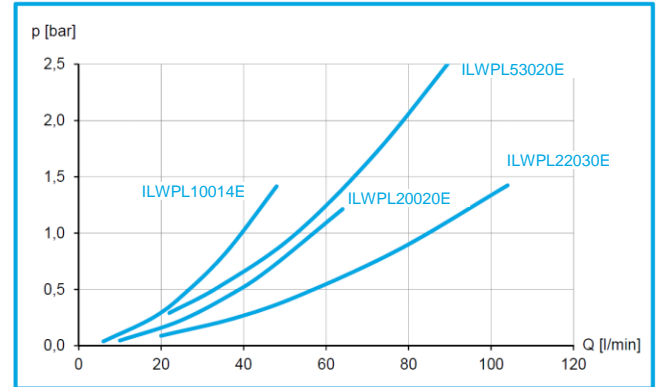
### Performance

The shown performance curves were created with an oil/water ratio of 2:1 with hydraulic oil ISO VG32 at an oil inlet temperature of 60°C and a water inlet of 20°C. Please contact us for other technical parameters to select the optimal cooler for you.

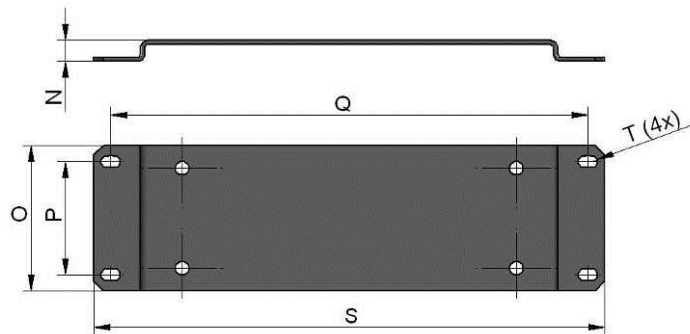
#### cooling performance



#### pressure drop



### Mounting Brackets



bracket order number	fits on cooler type	N	O	P	Q	S	T slot hole	bracket weight	cooler order number
		[mm]	[mm]	[mm]	[mm]	[mm]		[kg]	with mounted bracket
ILWPZMON10	ILWPL10014EK	16	58	33	228	253	9 x 15	0,3	ILWPL10014EP
ILWPZMON20	ILWPL20020EK	16	70	50	255	280	9 x 15	0,5	ILWPL20020EP
ILWPZMON22	ILWPL22030EK	16	74	50	350	375	9 x 15	0,7	ILWPL22030EP
ILWPZMON40	ILWPL40050EK	16	109	85	357	382	9 x 15	1,0	ILWPL40050EP
ILWPZMON53	ILWPL53020EK	16	107	85	555	580	9 x 15	1,5	ILWPL53020EP
ILWPZMON53	ILWPL53040EK	16	107	85	555	580	9 x 15	1,5	ILWPL53040EP
ILWPZMON53	ILWPL53060EK	16	107	85	555	580	9 x 15	1,5	ILWPL53060EP
ILWPZMON70	ILWPL70060EK	16	254	230	552	580	11 x 20	3,5	ILWPL70060EP

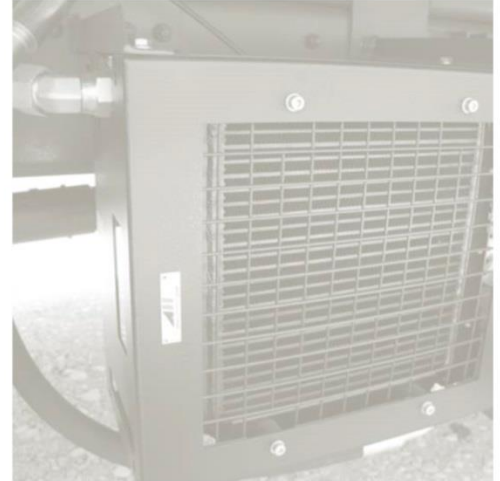
Please contact us to select the optimal options or get further information at [www.asahydraulik.com](http://www.asahydraulik.com) or [support@asahydraulik.com](mailto:support@asahydraulik.com).

**Please read manual before installation!**

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