CATFORD ENGINEERING PRODUCTS

Jamestown
SA 5491

All Prices Excluding GST

Phone: 0418 641 566

www.catford.com.au sales@catford.com.au

ASA Coolers & Accessories

*Lowline *TT Rail *ASA *CC *Connector Kits
*Brazed Plate Heat Exchangers
*Compensators *Vibration Mounts *Pump Units

Lot 25, Mannanarie Road, Jamestown, South Australia 5491

PO Box 178, Jamestown, South Australia 5491

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sales@catford.com.au

Due to fluctuations in the Australian dollar and the economic climate, please be advised that all prices are subject to change.
Please contact us to confirm pricing.

All prices stated within are exclusive of GST
(All prices are correct as of January 1st 2021, but Catford Engineering reserve the right to change these prices without notice)

ASA Coolers and Accessories

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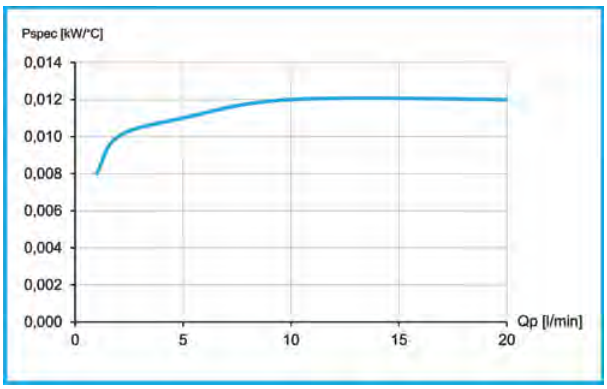
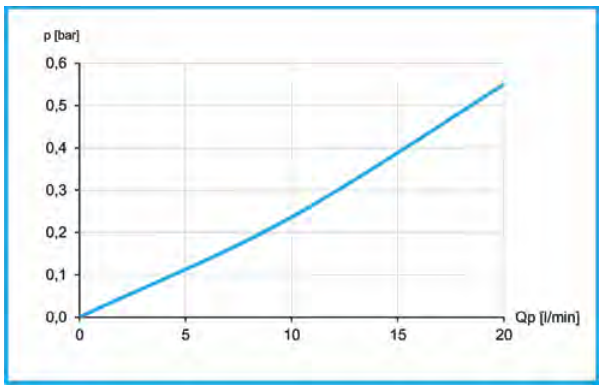
Low Line Series

Part Number	List Price $	Voltage	Current	Ports	Max Pressure	H	W mm	D
ASA0013GD01	**740.00**	12v DC	0.30a	1/2" BSPP	26 Bar	119	120	92
ASA0013GD02	**740.00**	24v DC	0.15a					
ASA0013GE01	**530.00**	240v AC	0.12a					

Specific cooling performance



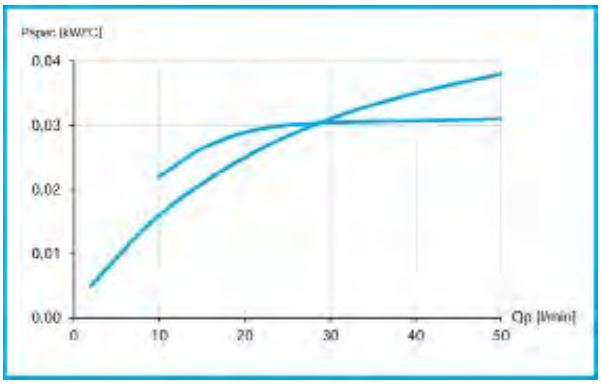
Pressure drop at 30°C



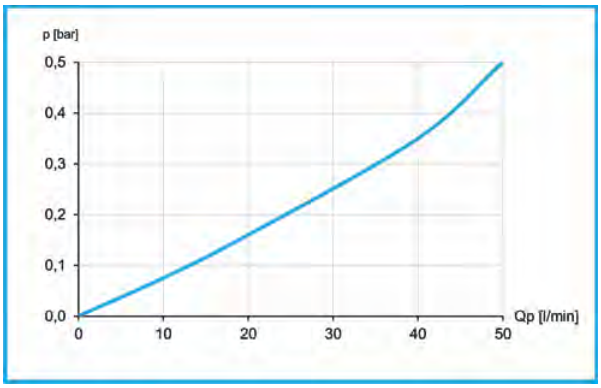
See page 303 for options

Part Number	List Price $	Voltage	Current	Ports	Max Pressure	H	W mm	D
ASA0023GD01	**665.00**	12v DC	5.4a	3/4" BSPP	26 Bar	180	229	98
ASA0023GD02	**665.00**	24v DC	2.7a					
ASA0023GE02	**830.00**	240v AC	0.25a					

Specific cooling performance



Pressure drop at 30°C

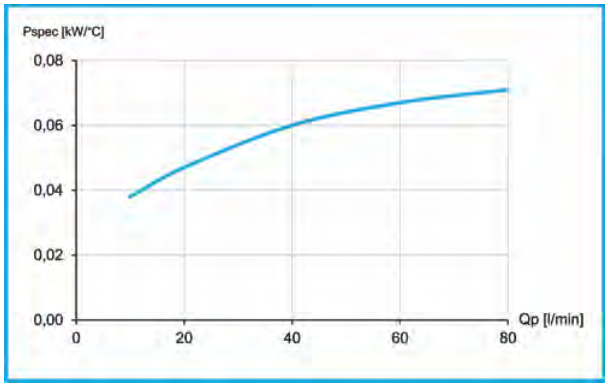


See page 303 for options

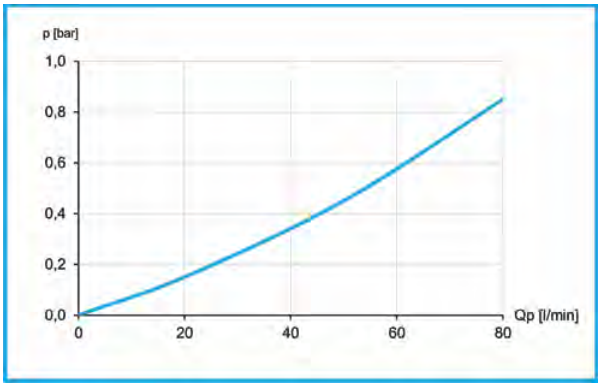
Low Line Series

Part Number	List Price $	Voltage	Current	Ports	Max Pressure	H	W mm	D
ASA0043GD01	**700.00**	12v DC	5.4a	3/4" BSPP	26 Bar	205	210	115
ASA0043GD02	**700.00**	24v DC	2.7a					
ASA0043GE02	**880.00**	240v AC	0.25a					
ASA0043GI02	**1090.00**	415v AC	0.15a			205	210	143

Specific cooling performance

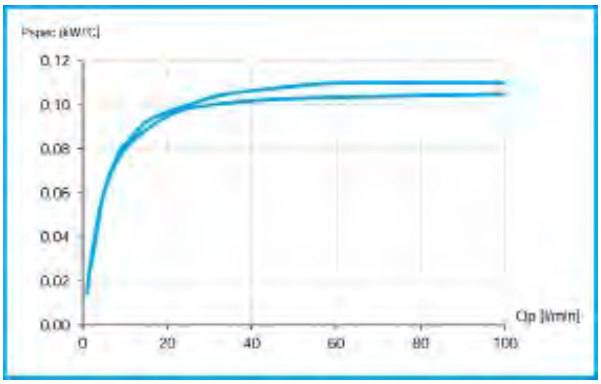


Pressure drop at 30°C

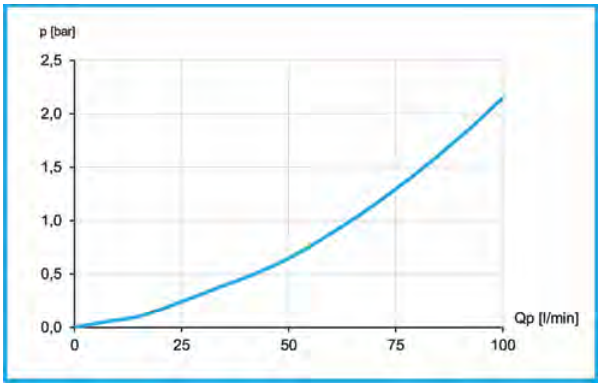


Part Number	List Price $	Voltage	Current	Bypass	Ports	Max Pressure	H	W mm	D
ASATT06GD03	**760.00**	12v DC	7.4a	n/a	3/4" BSPP	26 Bar	290	320	125
ASATT06GD03BP	**820.00**			Internal					
ASATT06GD04	**760.00**	24v DC	3.7a	n/a					
ASATT06GD04BP	**820.00**			Internal					
ASATT06GC2E	**1420.00**	240v AC	0.45a	n/a					
ASATT06GC2EBP	**1440.00**			Internal					

Specific cooling performance



Pressure drop at 30°C

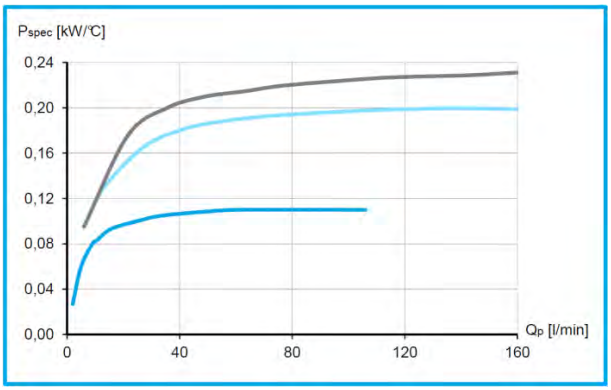


See page 303 for options

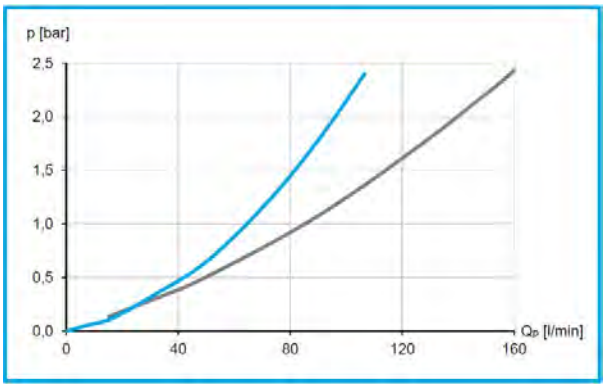
Low Line Series

Part Number	List Price $	Voltage	Current	Bypass	Ports	Max Pressure	H	W	D
							mm		
ASA0084GD01	**1102.00**	12v DC	12.2a	n/a	1" BSPP	26 Bar	380	386	136
ASA0084GD01BP	**1147.00**			Internal					
ASA0084GD02	**1102.00**	24v DC	5.6a	n/a					
ASA0084GD02BP	**1147.00**			Internal					
ASA0084GD03	**1142.00**	12v DC	21.2a	n/a					157
ASA0084GD03BP	**1186.00**			Internal					
ASA0084GD04	**1142.00**	24v DC	10.6a	n/a					
ASA0084GD04BP	**1186.00**			Internal					
ASA0084GC2E	**1844.00**	240v AC	0.55a	n/a					226
ASA0084GC2EBP	**1907.00**			Internal					

Specific cooling performance



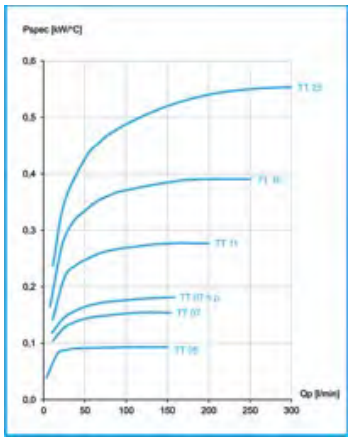
Pressure drop at 30°C



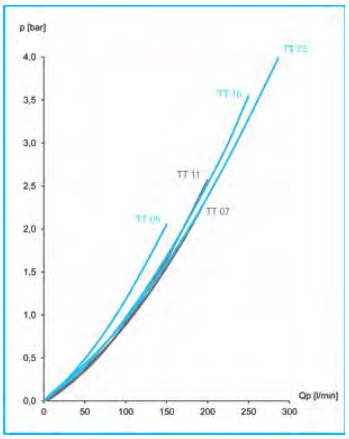
See page 303 for options

TT Rail Series - DC

Part Number	List Price $	Voltage	Current	Bypass	Max Pressure	H	W mm	D
ASATT07RD01	**1000.00**	12v	10.4a	None	26 Bar	300	320	160
ASATT07RD02	**1000.00**	24v	5.2a					
ASATT07RD03	**1090.00**	12v	16.2a			300	320	176
ASATT07RD04	**1090.00**	24v	8.1a					
ASATT11RD01	**1240.00**	12v	20.8a			340	380	175
ASATT11RD02	**1240.00**	24v	10.4a					
ASATT13RD01	**1531.00**	12v	20.8a			420	405	205
ASATT13RD02	**1531.00**	24v	10.4a					
ASATT16RD01	**1820.00**	12v	18.6a			465	460	190
ASATT16RD02	**1820.00**	24v	9.3a					
ASATT21RD01	**2122.00**	12v	18.6a			605	460	243
ASATT21RD02	**2122.00**	24v	9.3a					
ASATT25RD01	**2511.00**	12v	18.6a			605	555	257
ASATT25RD02	**2511.00**	24v	9.3a					
ASATT07RD01BP	**1310.00**	12v	10.4a	2 bar standard 1 or 5 bar on request		300	320	160
ASATT07RD02BP	**1310.00**	24v	5.2a					
ASATT07RD03BP	**1390.00**	12v	16.2a			300	320	176
ASATT07RD04BP	**1390.00**	24v	8.1a					
ASATT11RD01BP	**1470.00**	12v	20.8a			340	380	175
ASATT11RD02BP	**1470.00**	24v	10.4a					
ASATT13RD01BP	**1717.00**	12v	20.8a			420	405	205
ASATT13RD02BP	**1717.00**	24v	10.4a					
ASATT16RD01BP	**1960.00**	12v	18.6a			465	460	190
ASATT16RD02BP	**1960.00**	24v	9.3a					
ASATT21RD01BP	**2284.00**	12v	18.6a			605	460	243
ASATT21RD02BP	**2284.00**	24v	9.3a					
ASATT25RD01BP	**2665.00**	12v	18.6a			605	555	257
ASATT25RD02BP	**2665.00**	24v	9.3a					



Specific cooling performance



Pressure drop at 30°C

Must use with connector kits for ports, see page 300

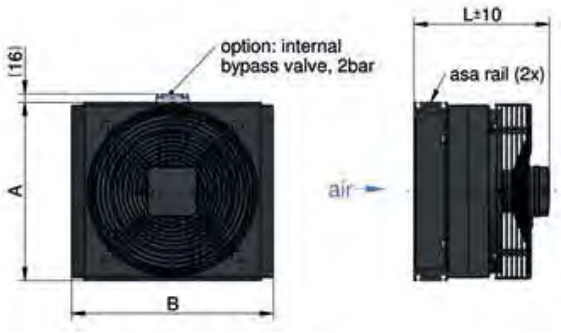
See page 303 for options

TT Rail Series Compact - 240v AC - Motor Included

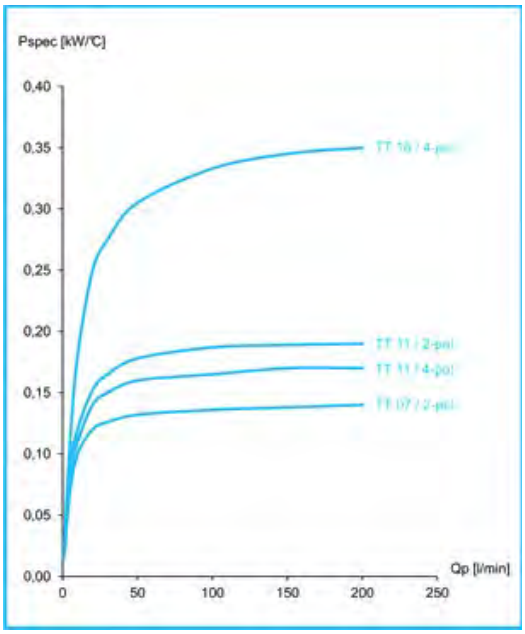
Part Number	List Price $	Voltage	Current	Bypass	Max Pressure	A	B	L
						mm		
ASATT07RC2E	**1430.00**	240v	0.45a	None	26 Bar	300	325	260
ASATT11RC4E	**1590.00**		0.42a			340	385	260
ASATT11RC2E	**1590.00**		0.55a					
ASATT16RC4E	**2410.00**		0.85a			465	465	285
ASATT07RC2EBP	**1720.00**		0.45a	2 bar standard 1 or 5 bar on request		300	325	260
ASATT11RC4EBP	**1750.00**		0.42a			340	385	260
ASATT11RC2EBP	**1750.00**		0.55a					
ASATT16RC4EBP	**2490.00**		0.85a			465	465	285

See page 303 for options

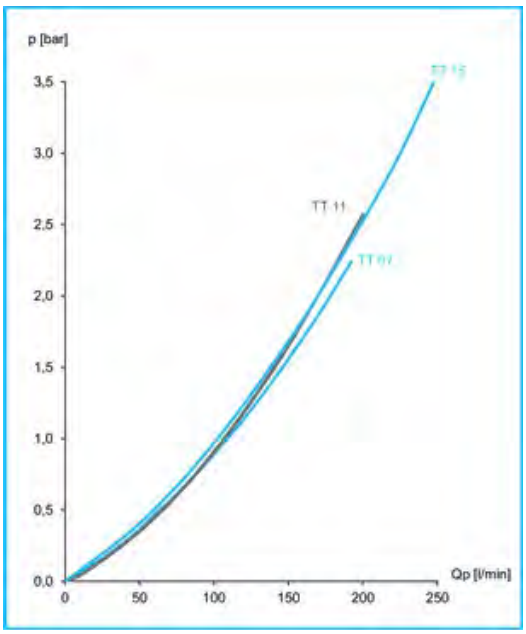
Must use with connector kits for ports, see page 300



Specific cooling performance

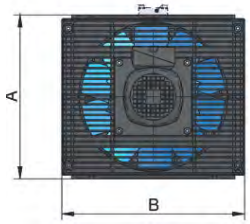


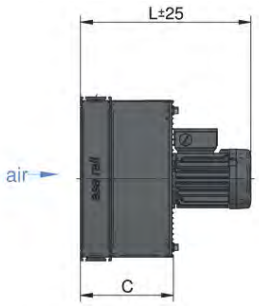
Pressure drop at 30°C



TT Rail Series - 240/415v AC - Motor Not Included

Part Number	List Price $	Motor Size	Bypass	Max Pressure	A	B	C	L
					mm			
ASATT07RA00NM	**1410.00**	0.25kW 4P / 0.55kW 2P, D71 (B14)	None	26 Bar	300	320	193	396
ASATT11RA00NM	**1750.00**				340	380	193	398
ASATT16RA40NM	**2600.00**	0.18kW 6P / 0.25kW 4P, D71 (B14)			465	460	218	414
ASATT16RA20NM	**2650.00**	0.55kW 2P, D71 (B14)						
ASATT25RA00NM	**3460.00**	0.37kW 6P / 0.75kW 4P, D80 (B14)			605	555	218	449
ASATT07RA00BPNM	**1750.00**	0.25kW 4P / 0.55kW 2P, D71 (B14)	2 bar standard 1 or 5 bar on request		300	320	193	396
ASATT11RA00BPNM	**2060.00**				D71	380	193	398
ASATT16RA40BPNM	**2720.00**	0.18kW 6P / 0.25kW 4P, D71 (B14)			465	460	218	414
ASATT16RA20BPNM	**2790.00**	0.55kW 2P, D71 (B14)						
ASATT25RA00BPNM	**3600.00**	0.37kW 6P / 0.75kW 4P, D80 (B14)			605	555	218	449

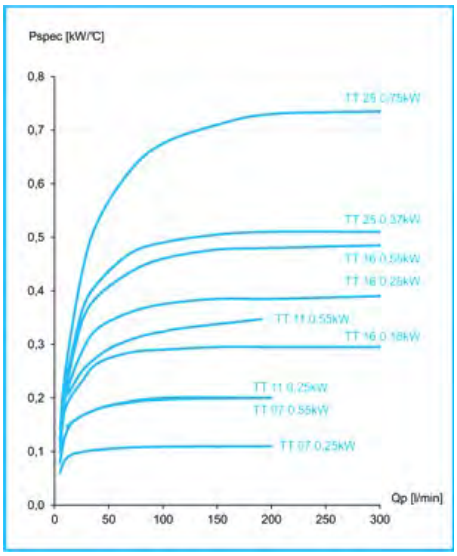




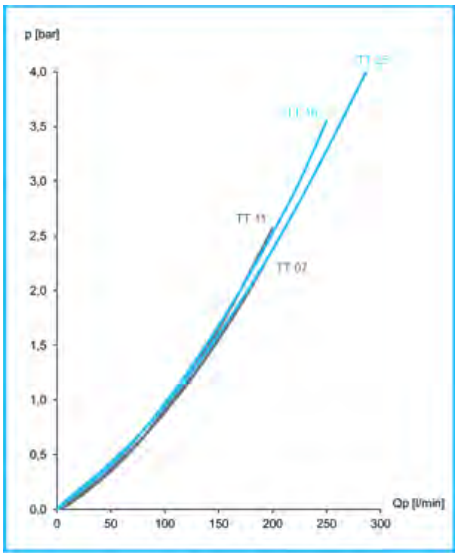
Must use with connector kits for ports, see page 300

See page 303 for options

Specific cooling performance



Pressure drop at 30°C

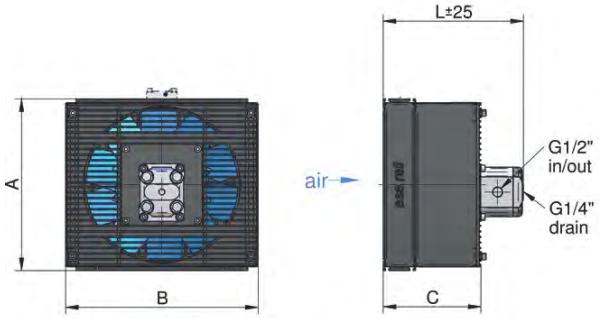


TT Rail Series - Hydraulic Drive

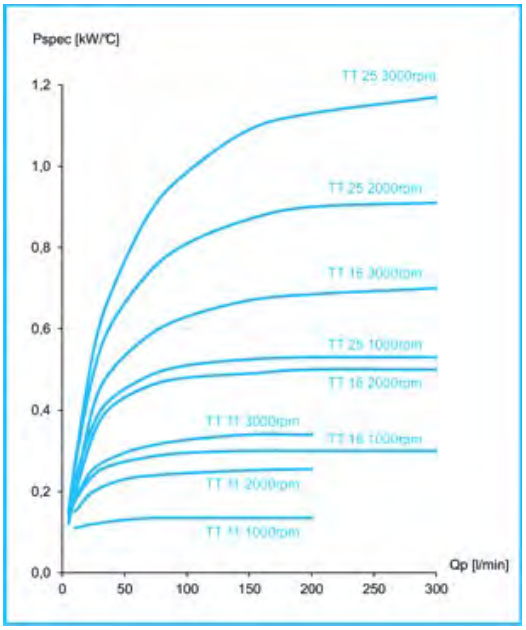
Part Number	List Price $	Motor Size	Bypass	Max Pressure	A	B	C	L
					mm			
ASATT11RH11	**2660.00**	Group 2 DIN 11cc	None	26 bar	340	380	193	277
ASATT16RH11	**3410.00**				465	460	218	302
ASATT25RH11	**4360.00**				605	555	218	302
ASATT11RH11BP	**2830.00**		2 bar standard		340	380	193	277
ASATT16RH11BP	**3540.00**		1 or 5 bar on request		465	460	218	302
ASATT25RH11BP	**4370.00**				605	555	218	302

See page 303 for options

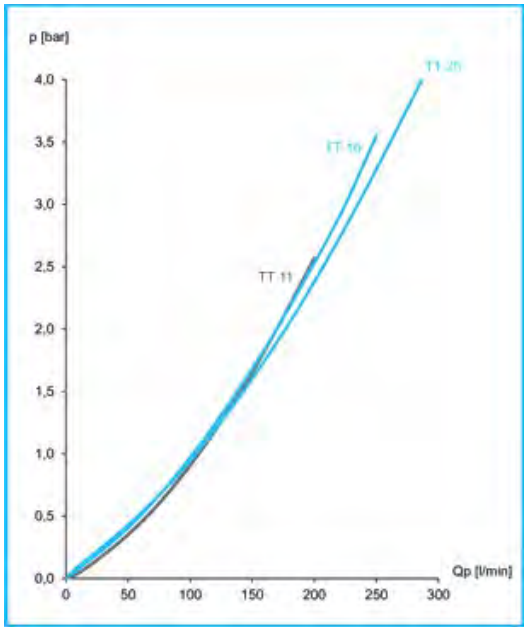
Must use with connector kits for ports, see page 300



Specific cooling performance

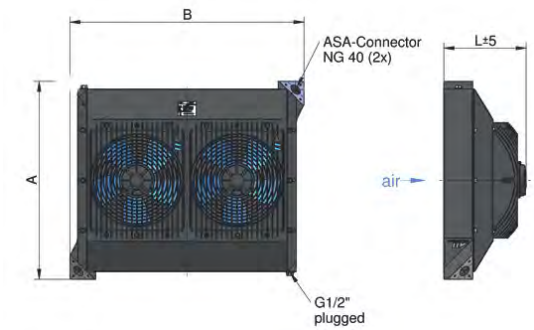


Pressure drop at 30°C

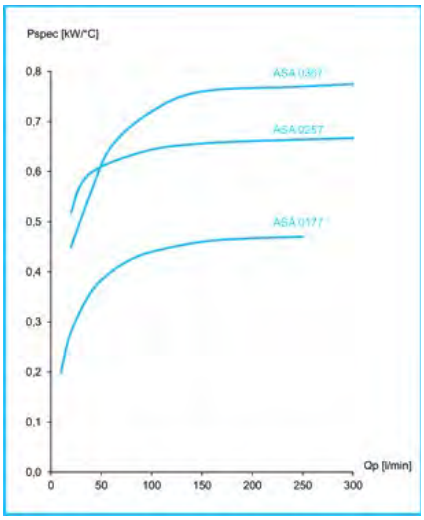


ASA Series - DC

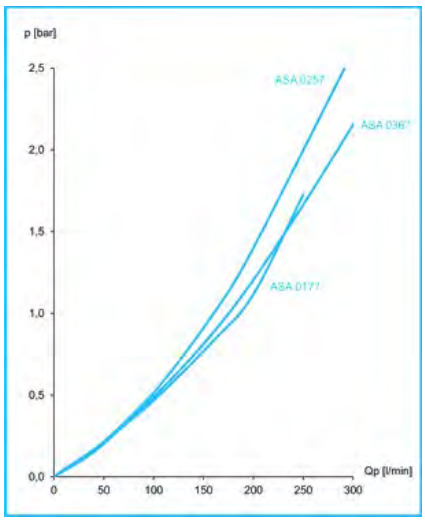
Part Number	List Price $	Voltage	Current	Bypass	Max Pressure	A	B mm	L
ASA0177AD01	**2600.00**	12v	18.6a	None	26 Bar	470	590	228
ASA0177AD02	**2600.00**	24v	9.3a					
ASA0257AD01	**3610.00**	12v	20.8a			555	690	259
ASA0257AD02	**3610.00**	24v	10.4a					
ASA0257AD03	**4150.00**	12v	2 x 20.8a					
ASA0257AD04	**4150.00**	24v	2 x 10.4a					
ASA0367AD01	**4890.00**	12v	2 x 20.8a			650	770	271
ASA0367AD02	**4890.00**	24v	2 x 10.4a					
ASA0177AD01BP	**2640.00**	12v	18.6a	2 bar standard 0.5/3.5 bar on request		470	590	228
ASA0177AD02BP	**2640.00**	24v	9.3a					
ASA0257AD03BP	**4240.00**	12v	2 x 20.8a			555	690	259
ASA0257AD04BP	**4240.00**	24v	2 x 10.4a					
ASA0367AD01BP	**4940.00**	12v	2 x 20.8a			650	770	271
ASA0367AD02BP	**4940.00**	24v	2 x 10.4a					



Specific cooling performance



Pressure drop at 30°C



Must use with connector kits for ports, see page 300

See page 303 for options

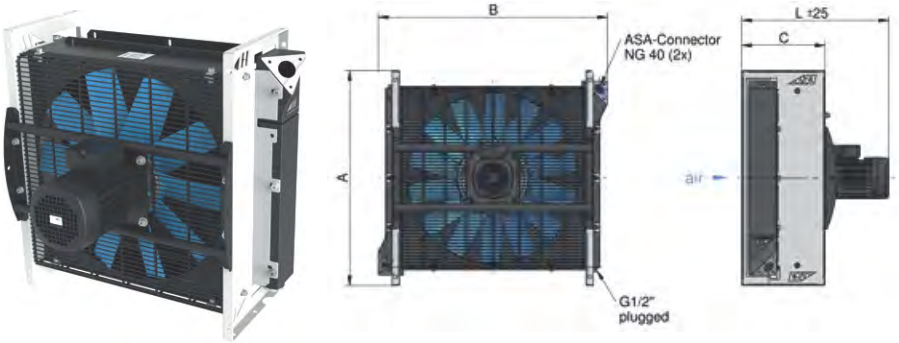
ASA Series - 240/415v AC - Motor Not Included

Part Number	List Price $	Motor Size	Max Pressure	A	B	C	L
				mm			
ASA0177AA20NM	**3300.00**	0.55kW 2P - D71(B14)	26 Bar	530	582	260	486
ASA0177AA40NM	**3330.00**	0.25kW 4P | 0.18kW 6P - D71(B14)					
ASA0257AA47NM	**4200.00**	0.75kW 4P - D80(B14)		635	682	270	531
ASA0257AA66NM	**4210.00**	0.37kW 6P - D80(B14)					
ASA0367AA46NM	**4790.00**	0.75kW 4P - D80(B14)		720	770	280	541
ASA0367AA66NM	**5010.00**	0.37kW 6P - D80(B14)					
ASA0467AA47NM	**6860.00**	0.75kW 4P - D80(B14)		785	837	290	738
ASA0467AA66NM	**6860.00**	0.37kW 6P - D80(B14)					
ASA0567AA46NM	**6830.00**	0.75kW 4P - D80(B14)		860	920	290	570
ASA0567AA66NM	**6830.00**	0.37kW 6P - D80(B14)					
ASA0927AA6ANM	**10140.00**	1.5kW 2P - D100(B14)		1100	1165	320	664

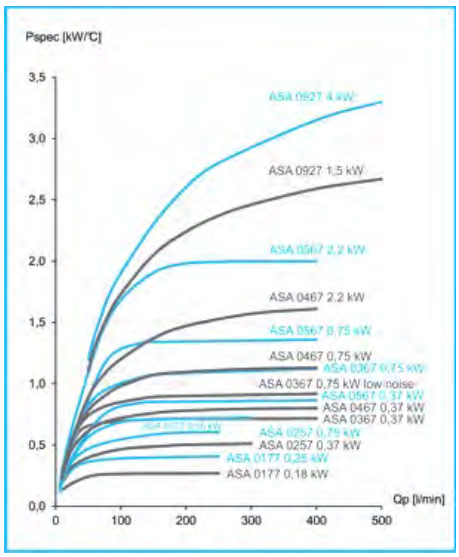
INTERNAL BYPASS ON REQUEST

Must use with connector kits for ports, see page 303

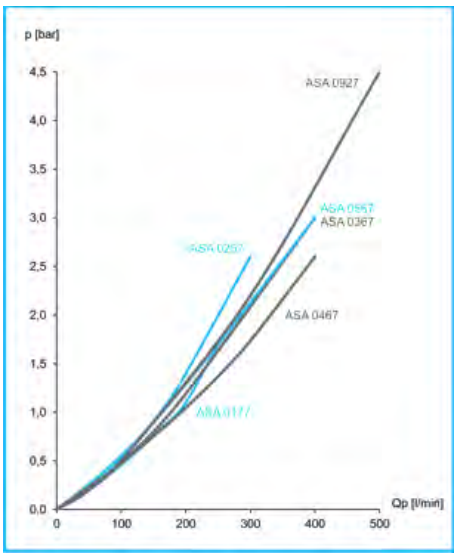
See page 300 for options



Specific cooling performance

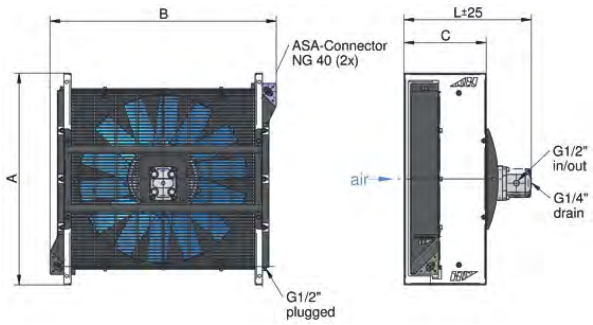


Pressure drop at 30°C



ASA Series - Hydraulic Drive

Part Number	List Price $	Motor Size	Max Pressure	A	B mm	L
ASA0177AH11	**4210.00**	Group 2 DIN 11cc	26 bar	530	582	364
ASA0257AH11	**5090.00**			635	682	370
ASA0367AH11	**6630.00**			720	770	430
ASA0467AH11	**8375.00**			785	837	544
ASA0567AH11	**8430.00**			860	920	460
ASA0927AH11	**11680.00**			1100	1165	475

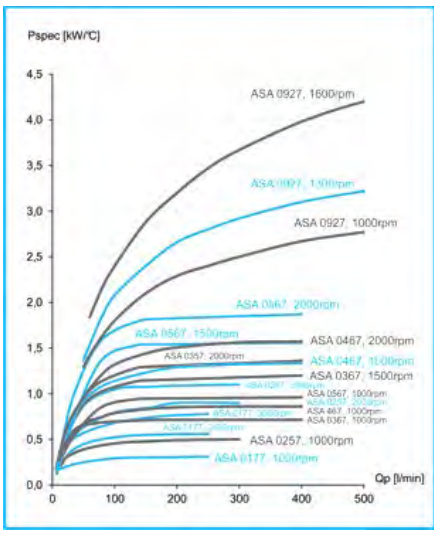


INTERNAL BYPASS ON REQUEST

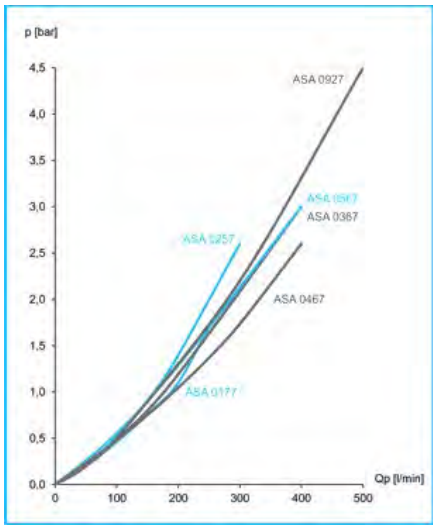
See page 303 for options

Must use with connector kits for ports, see page 300

Specific cooling performance

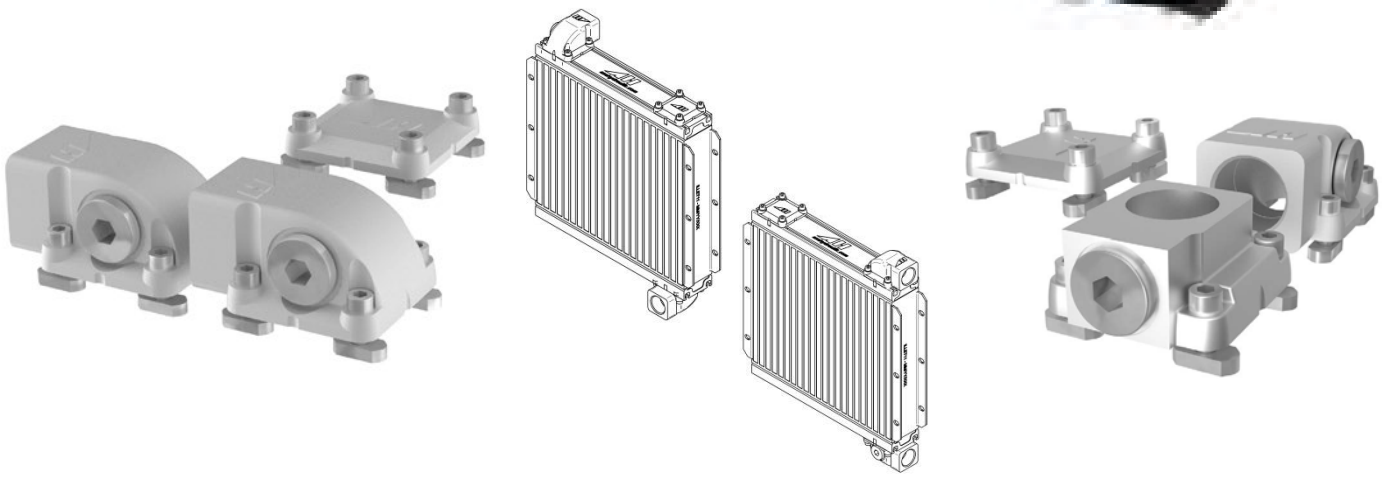


Pressure drop at 30°C



Connector Kit for TT Series

Part Number	List Price $	Port Size	Type
ILLZSET5G25	**210.00**	1” BSPP	2 x 90°
ILLZSET5G32	**320.00**	1.1/4” BSPP	2 x90°
ILLZSET5G25A	**210.00**	1” BSPP	2 x Straight
ILLZSET5G25B	**210.00**	1” BSPP	1 x 90°, 1 x Straight

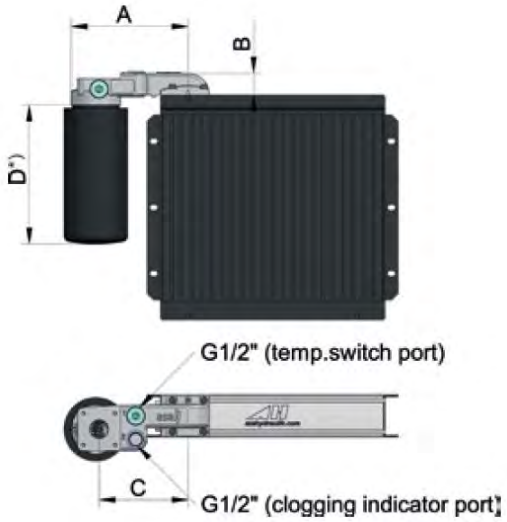


Connector Kit for ASA Series

Part Number	List Price $	Port Size	Type
ILLZASA32G32	**73.00**	1.1/4” BSPP	2 connectors required per cooler
ILLZASA40G40	**89.00**	1.1/2” BSPP	
ILLZASA32U20	**73.00**	1.5/8” UNO	
ILLZASA40U24	**89.00**	1.7/8” UNO	
ILLZASA40-40G12	**73.00**	1/2” port sandwich plate	

Rail Filter Series

Part Number	List Price $	Spin-on Port Size	Max Flow	Micron	Bypass	A	B	C	D
						mm			
ILLZRF11G2010	534.00	3/4" BSPP	60 lpm	10µm	2 bar	177.5	33	135	146
ILLZRF11G2025	534.00			25µm					
ILLZRF12G2010	545.00		100 lpm	10µm					191
ILLZRF12G2025	545.00			25µm					



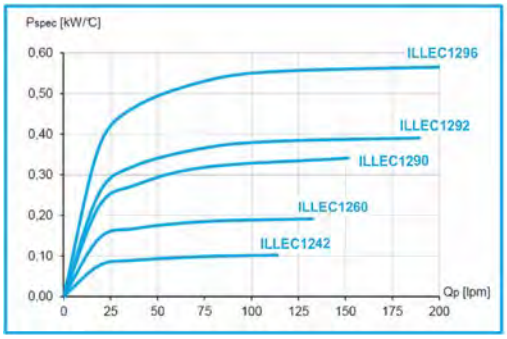
Filter not included
For filters, see page 270

Part Number	List Price $	Description
HFZVEG15	288.00	Electrical clogging indicator G 1/2"
HFZVOG15	224.00	Optical clogging indicator G 1/2"

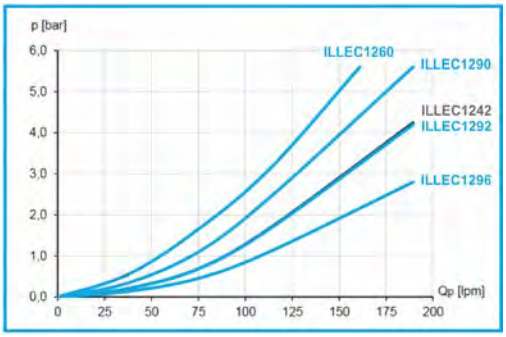
12 Series Radiator Cores

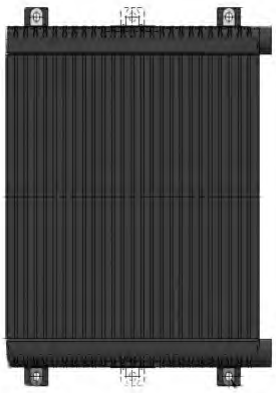
Part Number	List Price $	Material	Max Pressure	Ports	Size mm
ILLEC1242K	615.00	Aluminium	26 bar	SAE #16	330 x 220
ILLEC1260K	780.00				540 x 220
ILLEC1290K	965.00				540 x 320
ILLEC1292K	1050.00				540 x 420
ILLEC1296K	1600.00			SAE #20	540 x 630

Specific cooling performance



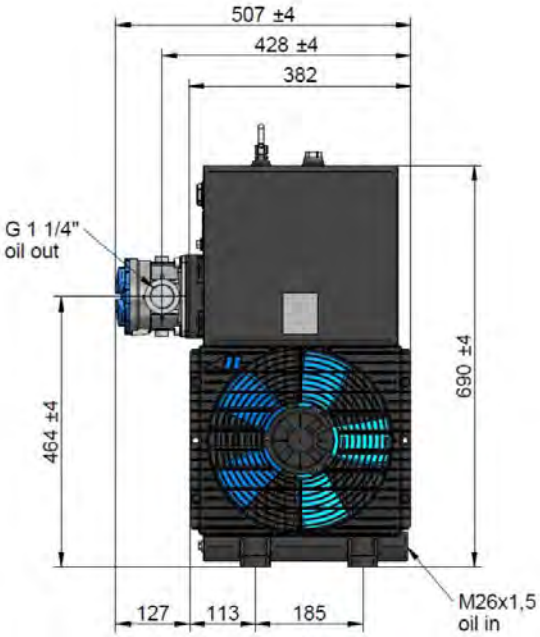
Pressure drop at 30°C

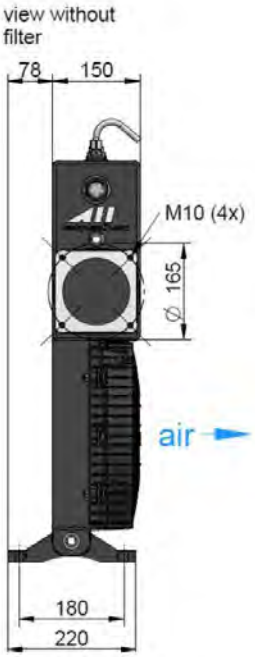




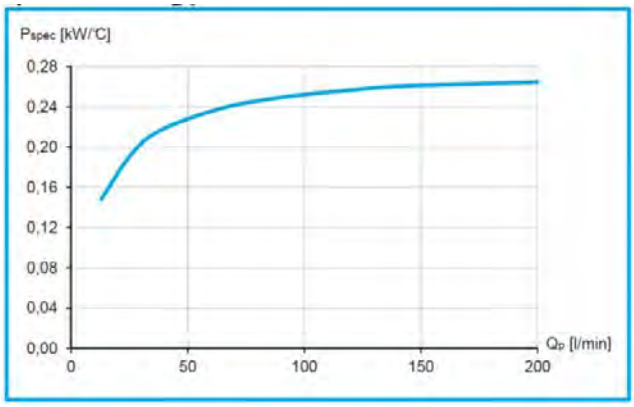
Oil/Air Cooler with Integrated Suction Filter & Tank

Part Number	List Price $	Motor	Current	Voltage	Max Pressure	Protection	Tank
ILLCO1101FTF	**1881.00**	0.25 kW	15.0a	12v	1.2 bar	IP68	12 ltr
ILLCO1102FTF	**1881.00**		7.7a	24v			

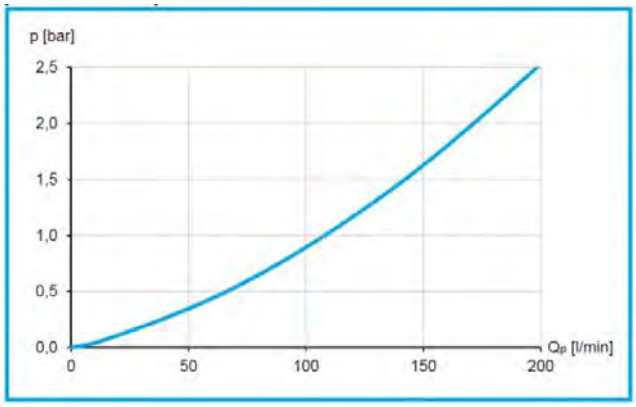




Specific cooling performance



Pressure drop at 30°C



Temperature Controller DC

Part Number	List Price $	Max Power Fan Motor	Max Current Fan	Protection	Weight	Supply
ILLZTC12-2K	**370.00**	310w	21a (14, 7V DC)	IP67	0.25kg	12v DC (9v-15v)
ILLZTC24-2K	**370.00**	340w	12a (24v DC)			24v DC (18v-32v)

When using with ILLZTT5069K sensor:
Fan rotation is controlled according to actual oil temperature from 45°c to 55°c (maximum fan speed reached).

When using with any IP69 type switch:
Only on/off function, with the advantage that start current is ramped up by controller, saving duration of the fan motor.

Energy Saving

Reduced Noise Level

EMC Compatibility

Characteristics	Material	Polyamide
	Mounting Instructions	Any mounting position
Measurement Input	Temperature Sensor	ILLZTT5069K (control range 44-45°C)
	Temperature Switch	ILLZTH5069K (set point 50°C, soft start)
		ILLZTH6069K (set point 60°C, soft start)
		ILLZTH9069K (set point 90°C, soft start)
Ambient Conditions	Ambient Temperature Range	-20°C to +85°C
	Storage Temperature Range	-60°C to +110°C
Combinations	12v & 24v DC Coolers	LL04, LL06 / TT07 - 25 rail / ASA0177 - 0367

Temperature Controller AC

Part Number	List Price $	Voltage	Range	Protection	Weight
ILLZTCACK	**370.00**	115/230v AC	-30 to +120°C	IP40	0.56kg

Characteristics	Material Housing	Steel sheet metal, powder coated
	Mounting Instructions	Any mounting position
Operation	Switch Control Range	-30°C to +120°C
	Contacts Rating	C.1-10(2,5)a/250v
		C.2-6(2,5)a/250v
Ambient Conditions	Maximum Head Temperature	+85°C
	Maximum Bulb Temperature	+150°C
	Storage Temperature Range	-15°C to +55°C
Combinations	For use with TT07-TT25 only	

Temperature Sensors

Part Number	List Price $	Description	Connection	Protection	Weight
ILLZTT5069K	**146.00**	Temperature Sensor BSP 1/2”	AMP superseal 1.5	IP 69K	0.09kg

Characteristics	Screw Part Material	Brass
	Mounting Instructions	Any mounting position
	Maximum Tightening Torque	50 Nm
Ambient Conditions	Oil Temperature Range	-20°C to +100°C
	Ambient Temperature Range	-20°C to +85°C
	Storage Temperature Range	-60°C to 110°C
Required Accessories	Temperature Control Unit 12v DC	ILLZTC12-2K
	Temperature Control Unit 24v DC	ILLZTC24-2K
Combinations	12v & 24v DC Coolers	LL04, LL06 / TT07 - 25 rail / ASA0177 - 0367

Temperature Switches

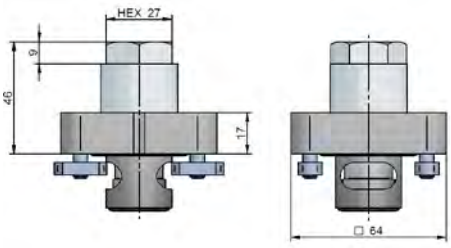
Part Number	List Price $	Connection	Protection	Weight	Switch Temperature
ILLZTH5069K	**146.00**	AMP Superseal 1.5	IP 69K	0.10kg	50°C +/-5
ILLZTH6069K	**146.00**				60°C +/-5
ILLZTH9069K	**146.00**				90°C +/-5

Characteristics	Screw Part Material	Brass
	Mounting	Any position
	Maximum Tightening Torque	50 Nm
	Number Of Cycles	100,000
	Counter Connector	Included
	Contact	N.O. (Normal Open)
Measurement Output	Minimum Current	200ma
	Maximum Current	12v AC (10a) 24v AC (10a) 120v AC (15a) 230v AC (10a)
Ambient Conditions	Oil Temperature Range	-20°C to +100°C
	Ambient Temperature Range	-20°C to +85°C
	Storage Temperature Range	-60°C to 110°C
Combinations	All 1/2” BSPP Coolers & Connectors	

Part Number	List Price $	Connection	Protection	Weight	Switch Temperature
ILLZTH4765K	**146.00**	ISO 4400	IP 65	0.09kg	50°C +/-5
ILLZTH6065K	**146.00**	ISO 4400			60°C +/-5

Temperature Bypass Valve (TT Series only)

Part Number	List Price $	To suit	Max Work Temp	Relief Temp	Closing Temp	Max Pressure
ILLZBPT5022K	**1005.00**	TT Rail TT07-TT13	80°C	< 58°C	50-60°C	26 bar
ILLZBPT5027K	**1005.00**	TT Rail TT16-TT25				

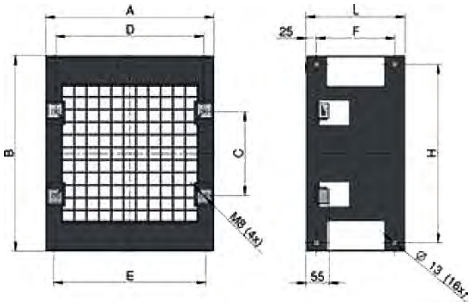


Foot Mounting Kits

Part Number	List Price $	Description
ILLEFUSSTT06K	**97.00**	Mounting feet set (fits TT06)
ILLEFUSSTTK	**97.00**	Mounting feet set (fits TT07-25)
ILLEFUSSTTHDK	**186.00**	Heavy duty mounting feet set (fits TT07-25)

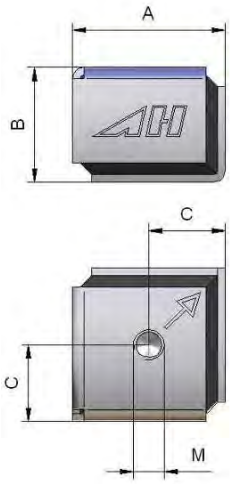
Protection Housings

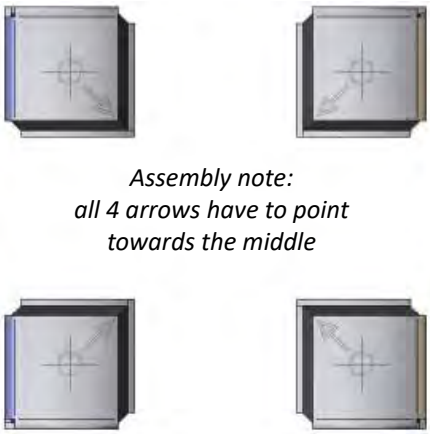
Part Number	List Price $	Description
ILLEGAKTT07GT	**1090.00**	Protection housing kit TT07 Rail
ILLEGAKTT11GT	**1210.00**	Protection housing kit TT11 Rail
ILLEGAKTT16GT	**1370.00**	Protection housing kit TT16 Rail



Rubber Vibration Absorbers

Part Number	List Price $	Description	Material	Weight kg	M	A	B mm	C
MDGQ403008IIK	**24.00**	40x40x30 M8	Zinc coated steel and natural rubber	0.127	M8 x 10	40	30	20
MDGQ504510IIK	**57.00**	50x50x45 M10		0.280	M10 x 12	50	45	25
MDGQ755512IIK	**97.00**	75x75x55 M12		0.659	M12 x15	75	55	37.5
MDGQ1007516IIK	**405.00**	100x100x75 M16		1.920	M16 x 16.5	100	75	50



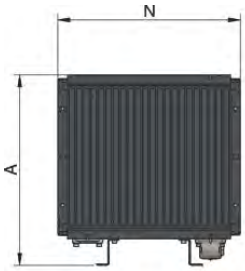


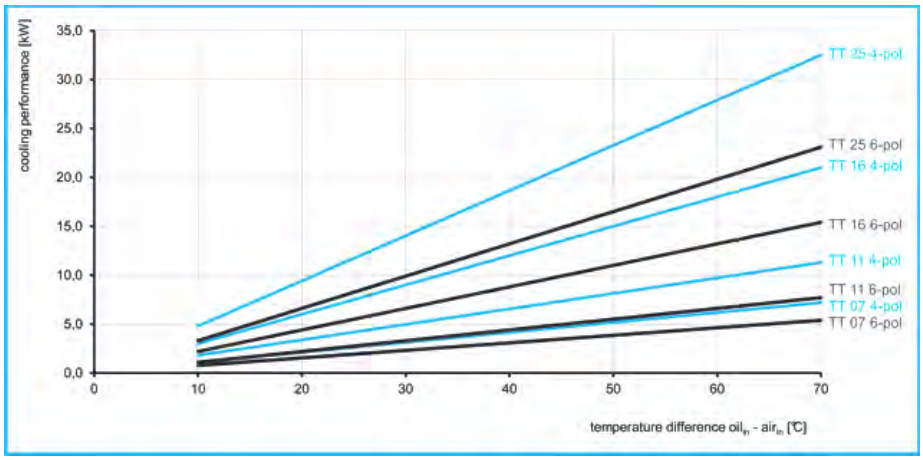
Assembly note:
all 4 arrows have to point towards the middle

Contact us for further technical information

CC Series - TT Rail - AC (Gerotor Pump)

Part Number	List Price $	Motor Size	Max Pressure	Flow	A	N mm	L
ASATT07RA47CC	**4220.00**	0.75kW 4P 415v	10 bar	30 lpm	355	320	493
ASATT11RA47CC	**4540.00**				395	380	495
ASATT16RA47CC	**5220.00**				520	460	511
ASATT25RA47CC	**6200.00**		7 bar		660	558	511





Must use with connector kits for ports, see below

See page 303 for options

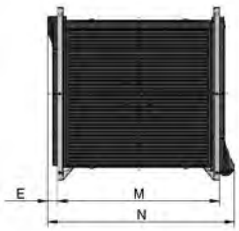
Larger sizes available on request

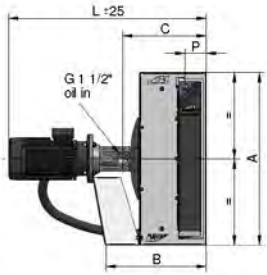
Connector Kits

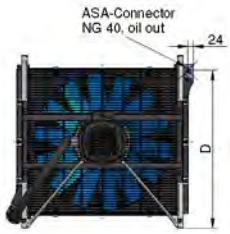
Part Number	List Price $	Port Size	Type
ILLZATT53G25K	**80.00**	1” BSPP	Rail connector

CC Series - Offline - AC (Screw Pump)

Part Number	List Price $	Motor Power	Motor Current	Oil Flow	Max Pressure	Weight kg	A	B	L	N
							mm			
ASA0177AA49CC	**9920.00**	1.5 kW 4P	3.35a	60 lpm	10 bar	70.7	530	400	807	601
ASA0257AA49CC	**10690.00**					80	635	410	817	701
ASA0367AA49CC	**11630.00**				8 bar	90.4	720	420	827	781
ASA0467AA49CC	**13550.00**					107.7	785	420	837	856
ASA0567AA49CC	**13610.00**					108.1	860	410	837	931
ASA0177AA68CC	**9920.00**	0.75 kW 6P	1.95a	40 lpm	9 bar	66.7	530	400	807	601
ASA0257AA68CC	**10690.00**					76	635	410	817	701
ASA0367AA68CC	**11630.00**				8 bar	86.4	720	420	827	781
ASA0467AA68CC	**13550.00**					103.7	785	420	837	856
ASA0567AA68CC	**13610.00**					104.1	860	410	837	931

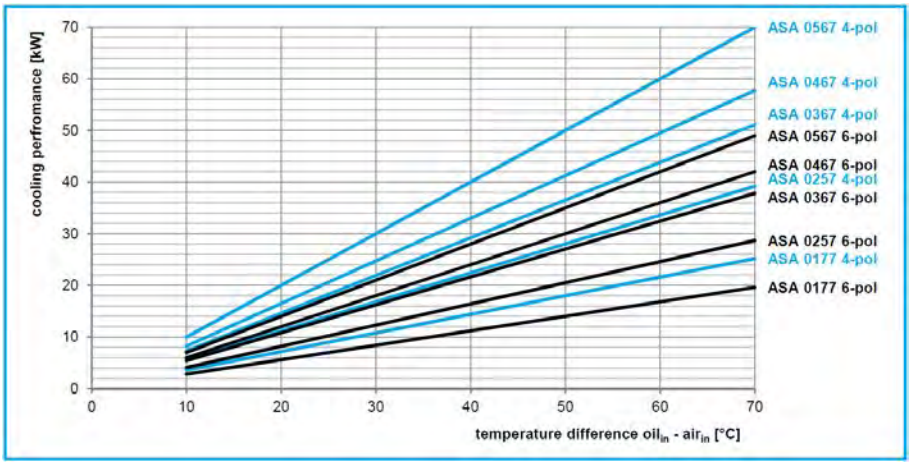






Must use with connector kits for ports, see page 300

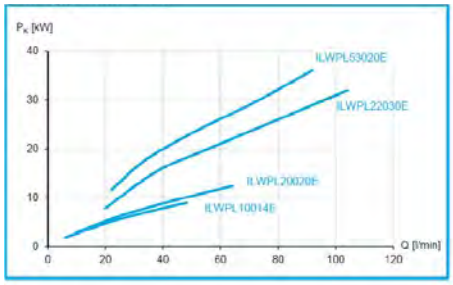
Specific cooling performance

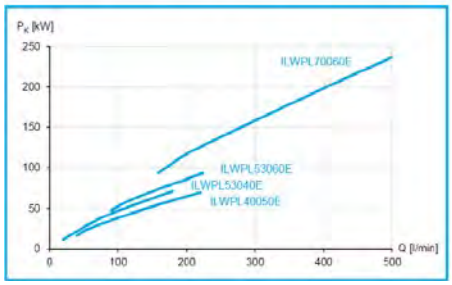


Brazed Plate Heat Exchangers

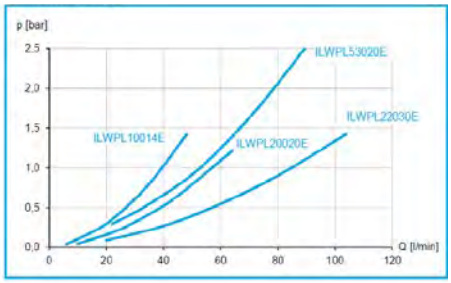
Part Number	List Price $	Max Pressure	Ports F/G	A	B	C	D
				mm			
ILWPL10014EK	**325.00**	30 bar	1/2” BSPP	73	205	64.5	42
ILWPL20020EK	**440.00**		3/4” BSPP	80	194	82	40
ILWPL22030EK	**850.00**		1” & 3/4” BSPP	106	306	109	50
ILWPL22060EK	**1240.00**					181	
ILWPL40050EK	**1325.00**		1” BSPP	124	304	157	70
ILWPL53020EK	**990.00**				504	85	64
ILWPL53040EK	**1510.00**					133	
ILWPL53060EK	**1960.00**					181	
ILWPL70020EK	**2110.00**		1.1/2” BSPP	246	528	86.5	174
ILWPL70060EK	**3795.00**					183	
ILWPL70120EK	**7165.00**					327	
ILWPL70160EK	**9220.00**					423	

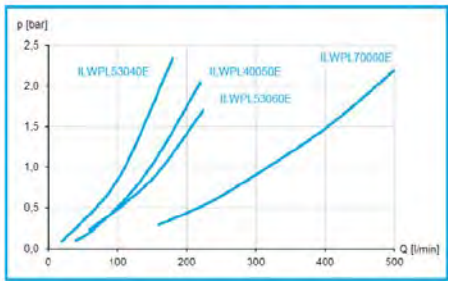
Specific cooling performance

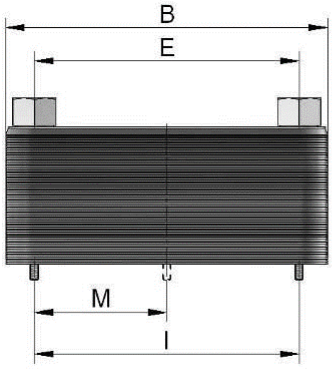


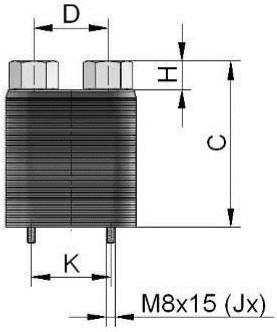


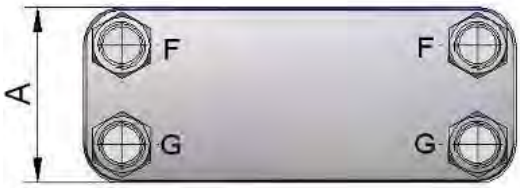
Pressure drop





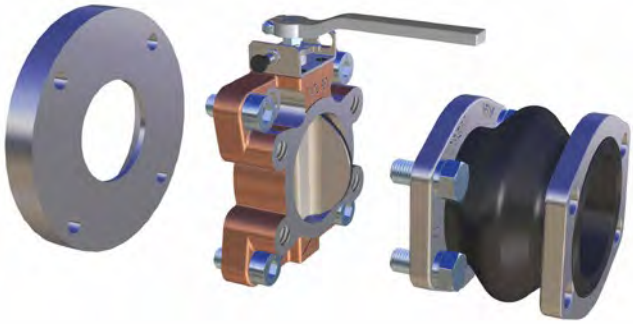






Suction Butterfly Valves

Part Number	List Price $	Size	Max Work Pressure / Differential Pressure
SDA0040	**430.00**	DIN40 SAE 1.1/2”	7 bar / 6 bar
SDA0050	**478.00**	DIN50 SAE 2”	
SDA0063	**500.00**	DIN65 SAE 2.1/2”	
SDA0080	**560.00**	DIN80 SAE 3”	
SDA0100	**670.00**	DIN100 SAE 4”	
SDA0125	**790.00**	DIN125 SAE 5”	

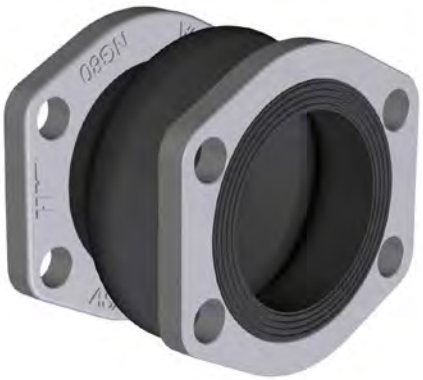


Adaptor Flange

Part Number	List Price $	Description	Material
SDAET040K	**186.00**	Adaptor NG40	ST37 Steel
SDAET063K	**202.00**	Adaptor NG50 & 63	
SDAET080K	**218.00**	Adaptor NG80	
SDAET100K	**290.00**	Adaptor NG100	
SDAET125K	**348.00**	Adaptor NG125	

Compensators - SAE

Part Number	List Price $	Size	Material	Max Working Pressure
SDKSS025	**356.00**	NG25 SAE 1”	NBR/CR Steel	1.5 bar (absolute)
SDKSS032	**356.00**	NG32 SAE 1.1/4”		
SDKSS040	**365.00**	NG40 SAE 1.1/2”		
SDKSS050	**380.00**	NG50 SAE 2”		
SDKSS063	**380.00**	NG63 SAE 2.1/2”		
SDKSS080	**396.00**	NG80 SAE 3”		
SDKSS092	**494.00**	NG90 SAE 3.1/2”		
SDKSS100	**535.00**	NG100 SAE 4”		
SDKSS126	**882.00**	NG125 SAE 5”		

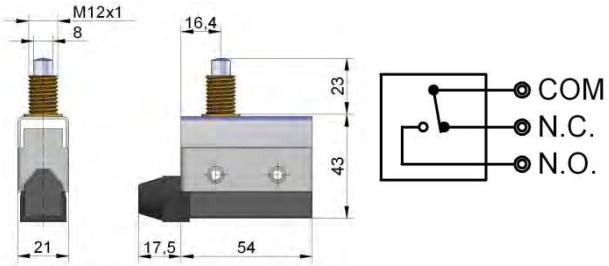


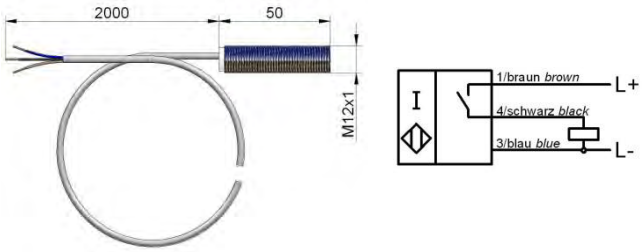
High Pressure Compensators - DIN

Part Number	List Price $	Size	Material	Nominal Pressure
SDKHHDD6D60032N00	**441.00**	NG32	NBR/CR Steel	Up to 16 bar
SDKHHDD6D60040N00	**467.00**	NG40		
SDKHHDD6D60050N00	**486.00**	NG50		
SDKHHDD6D60065N00	**557.00**	NG65		
SDKHHDD6D60080N00	**680.00**	NG80		
SDKHHDD6D60100N00	**842.00**	NG100		
SDKHHDD6D60125N00	**1037.00**	NG125		
SDKHHDD6D60200N00	**1283.00**	NG200		
SDKHHDD6D60300N00	**2411.00**	NG300		

Limit Switches

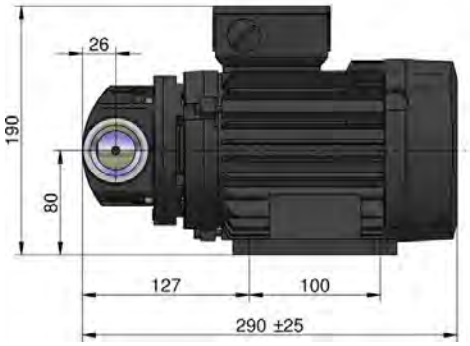
Part Number	List Price $	Description
EAFSMK	**72.00**	Mechanical Limit Switch
EAFSIK	**146.00**	Inductive Limit Switch

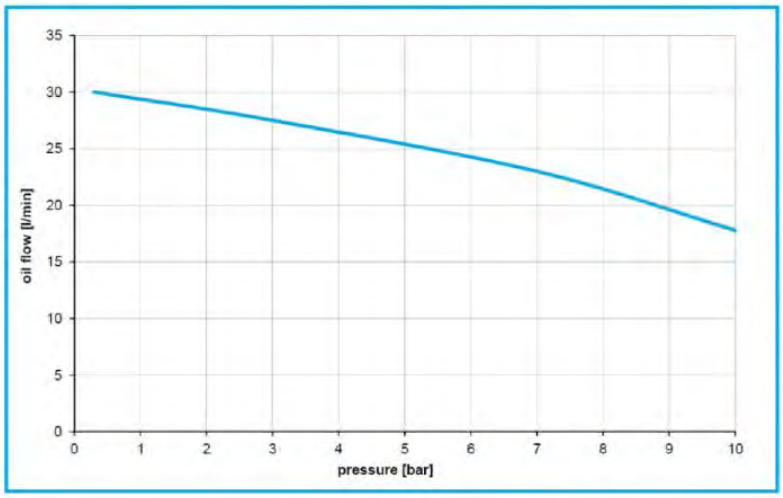




Gerotor Pump Unit - 30 lpm, 230/400v 50Hz

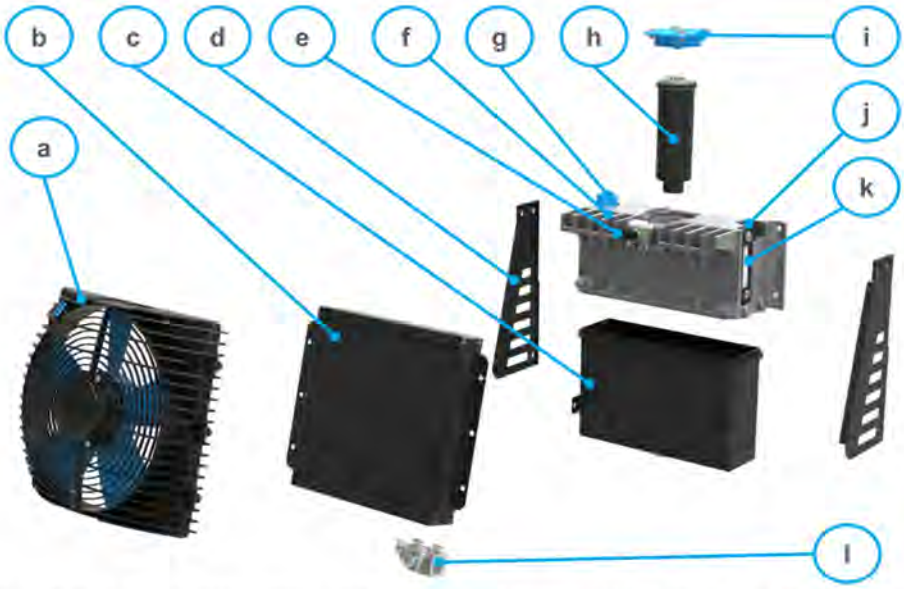
Part Number	HY0200758G	HY201108G
List Price $	**2482.00**	**3840.00**
Motor Power	0.75 kW	1.10 kW
Max Oil Viscosity	100 cSt	250 cSt
Max Current	2.1a	2.6a
60 Hz	Possible, 276/480v	On request
Weight	13.8 kg	16.6 kg
Oil Flow	30 lpm	
Neg. Pressure	-0.4 bar	
Poles	4	
Ambient Temperature	-20°C to +40°C	
Max Working Pressure	10 bar	
Max Oil Temperature	80°C (100°C on request)	
Fluids	Mineral oils	
Pump Housing	Aluminium	
Gerotor	Sintered Steel	





Design your own H-cube!

- fan drive unit (a)
- cooler radiator (b)
- tank (c)
- side frames (d)
- electric clogging indicator(e)
- integration block (f)
- breather (g)
- filter (h)
- filter cap (i)
- optical clogging indicator (j)
- tank level gauge (k)
- connector with temperature switch port (l)



The integration block connects tank, filter and heat exchanger. These components can be, individually, varied in size and function. As a result of that, the system is able to customize to the application, while keeping a proven standard range product. Also integrated are tank level gauge, bypass valve, clogging indicator and temperature switch port. Due to this flexible system, all parts can be combined with the same control flange. The table below shows the possible options and its resulting code.

A H T 1 B B 1 1 H 0 3 P V S I B 0 0

1 2 3 4 5 6 7 8

1 Product Series

AH	ASA H-Cube

2 Tank Size*

T1	tank with 17l (EU**)
T2	tank with 23l (EU**)
T3	tank with 30l (EU**)
R5	tank with 4.5gal (US**)
R6	tank with 6.1gal (US**)
R8	tank with 7.9gal (US**)

3 Filter Combinations

	return filter	suction filter
00	none	*none*
B0	6µm (max.88lpm)	*none*
C0	10µm (max.180lpm)	*none*
D0	16µm (max.185lpm)	*none*
E0	25µm (max.195lpm)	*none*
0B	*none*	90µm
BB	6µm (max.88lpm)	90µm
CB	10µm (max.180lpm)	90µm
DB	16µm (max.185lpm)	90µm
EB	25µm (max.195lpm)	90µm

4 Cooler Size/Type

07	TT 07 rail, 2bar(30psi) bypass
11	TT 11 rail, 2bar(30psi) bypass
16	TT 16 rail, 2bar(30psi) bypass
25	TT 25 rail, 2bar(30psi) bypass

5 Fan Drive

D01	12V DC
D02	24V DC
H03	3cm³ hydraulic

6 Accessories & Options*

000	no options
00S	only stainless steel housing
KT0	temperature control DC
KTS	temp. control & stainless steel housing
PVS	tanker truck[1)] block 210bar (3040 PSI) & stainless steel housing
PHS	tanker truck[1)] block 350 bar (5070 PSI) & stainless steel housing

7 Clogging Indicator

0	no indicator
I	optical clogging indicator
E	electric clogging indicator
C	combined opt. & elect. indicator

8 Index / Customized

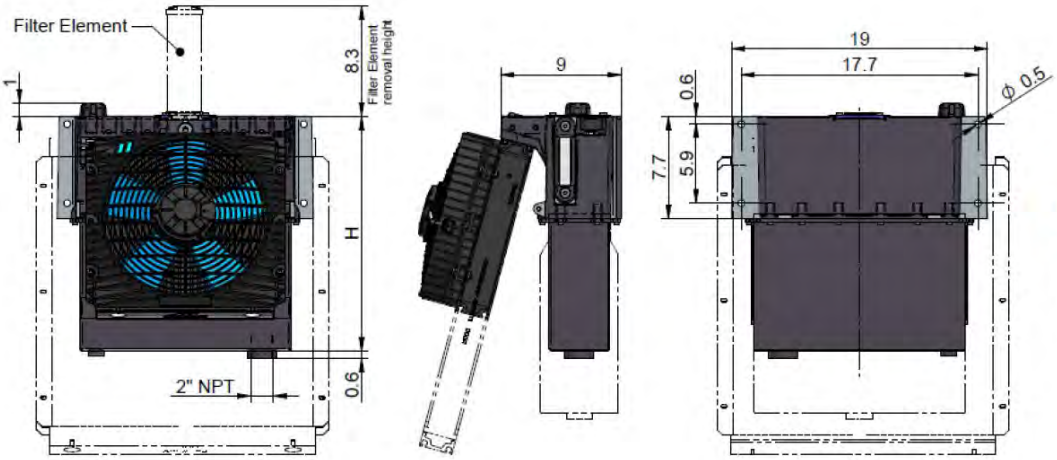
Bxx	special / customized specifications, to be advised *e.g. position of connectors, special connectors, etc...*

* *complete system content,*
** *EU version truck frame flange 150 x 450mm and BSP suction port US version truck frame flange 5.5 x 17.5inch and NPT suction port*
*** *stainless steel and protection housing not in combination with cooler size TT 25!*

1) *Tanker Truck configuration includes the functions of a adjustable pressure relief valve for the whole hydraulic system, return line connection and hydraulic fan drive control -> see more information on the H-Cube data sheet, page 5 or contact us for further assistance.*

H-Cube Series (US Version)

Part Number	List Price $	Tank Size	Filter	Cooler Size	Fan Drive	Options	Clogging Indicator
AH R5 DO 16 D02 KTO I	**6391.00**	4.5 gallon	16µm return filter (1.75 bar bypass)	TT16 Rail 2 bar bypass	24v DC	Temperature Control DC	Optical
AH R8 DO 16 D02 KTO I	**6464.00**	7.9 gallon					
AH R5 DO 16 H03 PVS 000 I	**12030.00**	4.5 gallon			3cc Hydraulic	Stainless Steel Housing (with adjustable inbuilt relief system 210 bar)	
AH R8 DO 16 H03 PVS 000 I	**12105.00**	7.9 gallon					



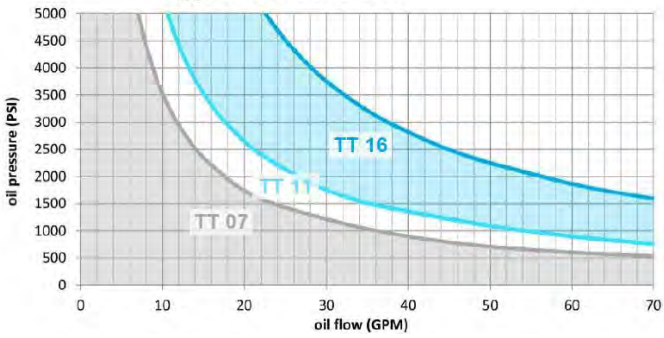
tank size	H [in]
4.5 gal	17.13
6.1 gal	18.78
7.9 gal	23.50

The actual performance output of the H-cube system is a combination of the cooler size (radiator core) and the type of fan drive. Choose the possible performances from the table below. The shown performance is the maximum possible specific cooling performance depending on the oil flow.

Heat dissipation in HP at 80°C temperature difference and 12V fan drive

cooler type	20 gpm	40 gpm	60 gpm
TT 07	16	16	
TT 11	26	28	29
TT 16	38	41	42
TT 25	67	71	73

Heat dissipation range (hydraulic drive) by pressure and oil flow

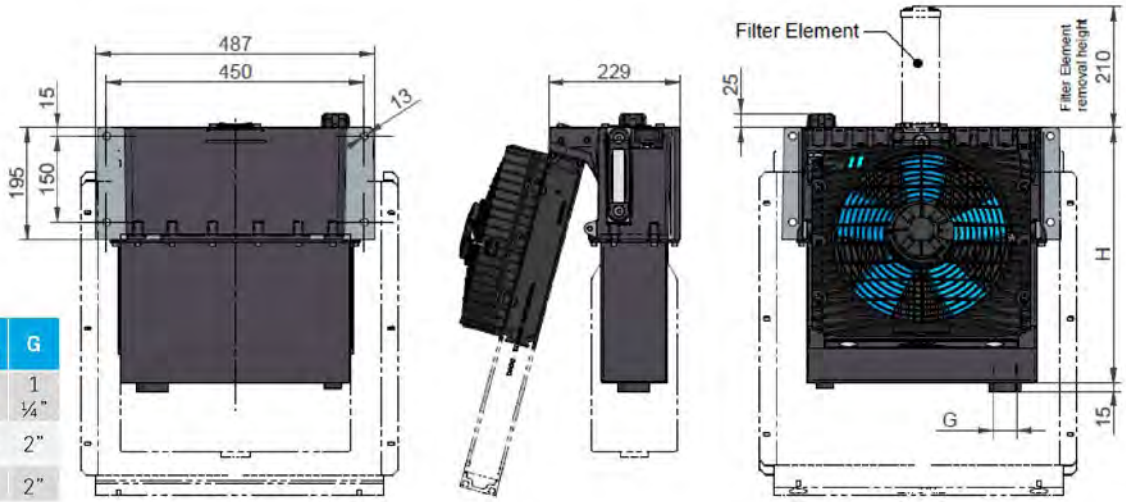


radiator material	brazed aluminium
radiator air fin	wavy
tank material	steel
integration block	anodized cast aluminium

return filter / suction filter	3 µ to 25 µ with 25 PSI or 44 PSI bypass
fan drive	12V or 24V DC
standard air flow direction	pulling
weight (dry)	55 lbs to max. 100 lbs

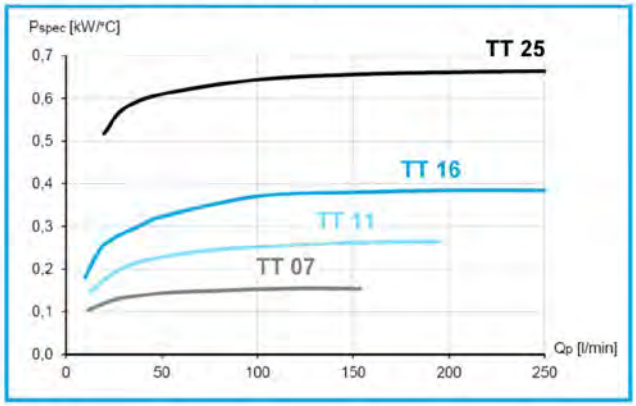
H-Cube Series (EU Version)

Part Number	List Price $	Tank Size	Filter	Cooler Size	Fan Drive	Options	Clogging Indicator
AH T3 DO 25 D02 KTO E	**7606.00**	30 litre	16µm return filter (1.75 bar bypass)	TT25 rail 2 bar bypass	24v DC	Temperature Control DC	Electric

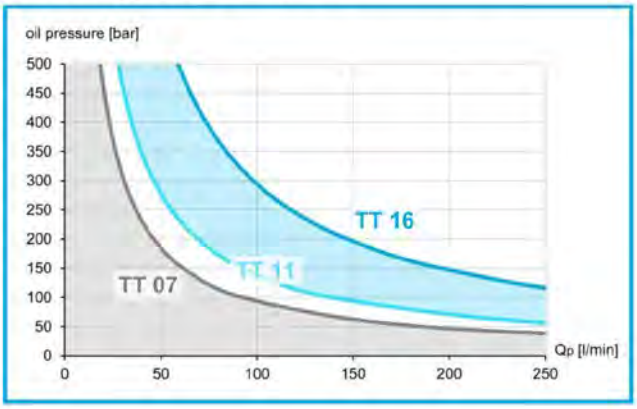


tank size	H [mm]	G
17 l	435	1 ¼"
23 l	477	2"
30 l	597	2"

specific cooling performance
(with 12V or 24V DC fan drive)



cooling performance range (tanker truck types),
to select by pressure and oil flow



radiator material	brazed aluminium
radiator air fin	wavy
tank material	steel
integration block	cast aluminium

return filter rating	6 µ to 25 µ with 1,75 bar bypass
suction filter rating	90 µ (other micron on request)
fan drive	12V or 24V DC
weight (dry)	25 kg to max. 50 kg