

CATFORD ENGINEERING PRODUCTS

Jamestown
SA 5491

All Prices Excluding GST

Phone: 0418 641 566

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ASA Coolers & Accessories

*Lowline *TT Rail *ASA *CC *Connector Kits

*Brazen Plate Heat Exchangers

*Compensators *Vibration Mounts *Pump Units





Lot 25, Mannanarie Road, Jamestown, South Australia 5491



0418 641 566



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Please contact us to confirm pricing.

All prices stated within are exclusive of GST
(All prices are correct as of January 1st 2022, but Catford Engineering reserve the right to change these prices without notice)

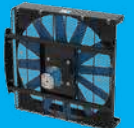
ASA Coolers and Accessories

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PRODUCTS

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asa		Low Line Series			TT-Rail Series										ASA Series						
		LL 03	LL 06	LL 08	TT 07	TT 11	TT 13	TT 16	TT 20	TT 21	TT 25	TT 30	TT 36	TT 40	ASA 0177	ASA 0257	ASA 0367	ASA 0467	ASA 0567	ASA 0727	ASA 0927
	DC	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	
	DC Brushless	-	○	○	○	○	○	○	○	○	○	○	○	○	○	○	-	-	-	-	
	AC	●	●	●	●	●	●	-	●	●	-	●	-	●	●	●	●	●	●	●	
	AC Compact	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	
	CC Offline	-	-	-	●	●	-	●	-	●	-	●	-	●	●	●	●	●	-	-	
	Hydraulic	-	-	-	○	●	-	●	-	●	-	●	-	●	●	●	●	●	●	●	
	Pressure Bypass	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
	Thermo Bypass	-	-	-	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	-	
	DC Fan Speed Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	
																					
		Low Line Series			TT-Rail Series										ASA Series						

- not available

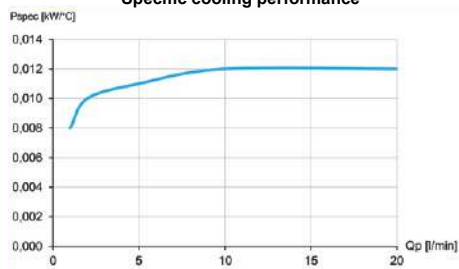
● available as standard

○ on request (or standard with different part #)

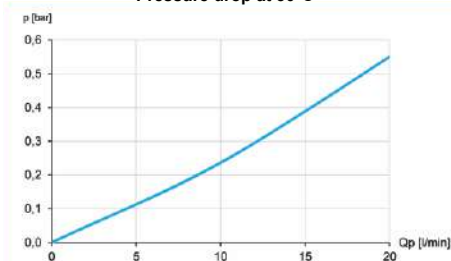
ASA0013 Low Line Series

Part #	List Price \$	Voltage	Current	Ports	Max Pressure	Dimensions mm		
						H	W	D
ASA0013GD01	811.00	12v DC	0.30a	1/2" BSPP	26 Bar	119	120	92
ASA0013GD02	811.00	24v DC	0.15a	1/2" BSPP	26 Bar	119	120	92
ASA0013GE01	574.00	240v AC	0.12a	1/2" BSPP	26 Bar	119	120	92

Specific cooling performance



Pressure drop at 30°C

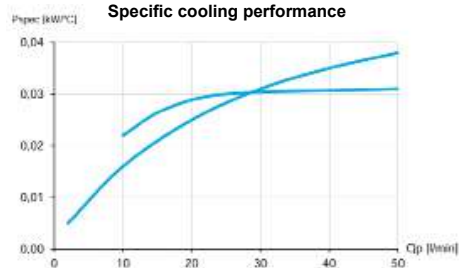


Options on page 288

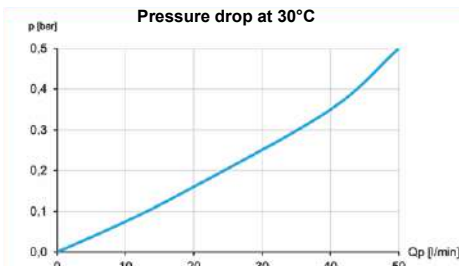
ASA0023 Low Line Series

Part #	List Price \$	Voltage	Current	Ports	Max Pressure	Dimensions mm		
						H	W	D
ASA0023GD01	711.00	12v DC	5.4a	3/4" BSPP	26 Bar	180	229	98
ASA0023GD02	711.00	24v DC	2.7a	3/4" BSPP	26 Bar	180	229	98
ASA0023GE02	901.00	240v AC	0.25a	3/4" BSPP	26 Bar	180	229	98

Specific cooling performance



Pressure drop at 30°C



Options on page 288

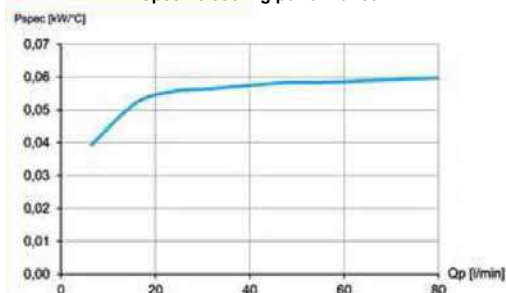
ASA0033 Low Line Series

	Part #	List Price \$	Voltage	Current	Ports	Max Pressure	Dimensions mm		
							H	W	D
NEW	ASA0033GD01	736.00	12v DC	5.4a	3/4" BSPP	26 Bar	239	212	115
NEW	ASA0033GD02	736.00	24v DC	2.7a	3/4" BSPP	26 Bar	239	212	115
NEW	ASA0033GI02	1181.00	230/400v AC	0.2a	3/4" BSPP	26 Bar	239	214	143

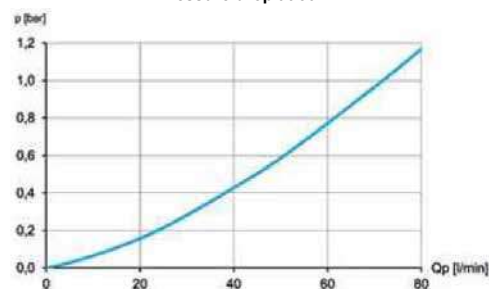
12v/24v DC



Specific cooling performance



Pressure drop at 30°C

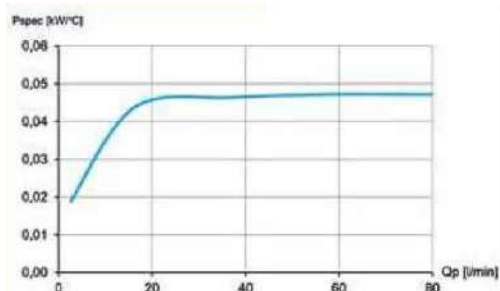


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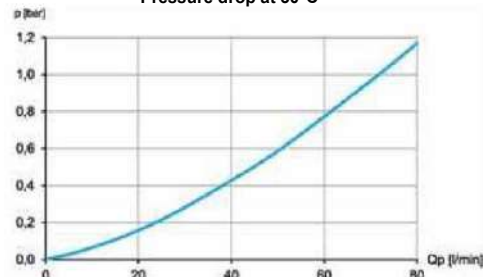


230v/400v AC

Specific cooling performance



Pressure drop at 30°C

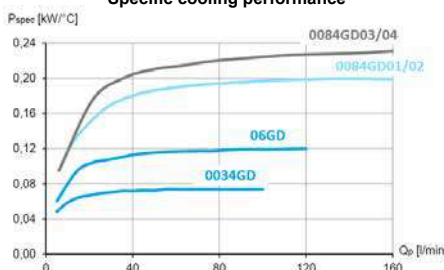


Low Line Series DC

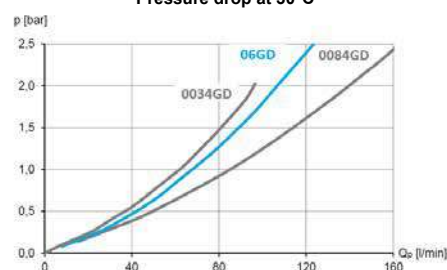
	Part #	List Price \$	Voltage	Current	Bypass	Ports	Max Pressure	Dimensions mm		
								H	W	D
NEW	ASA0034GD01	945.00	12v DC	8.5a	n/a	3/4" BSPP	26 Bar	255	250	134
NEW	ASA0034GD01BP	997.00	12v DC	8.5a	Internal	3/4" BSPP	26 Bar	255	250	134
NEW	ASA0034GD02	945.00	24v DC	4.2a	n/a	3/4" BSPP	26 Bar	255	250	134
NEW	ASA0034GD02BP	997.00	24v DC	4.2a	Internal	3/4" BSPP	26 Bar	255	250	134
	ASATT06GD03	882.00	12v DC	7.4a	n/a	3/4" BSPP	26 Bar	290	320	145
	ASATT06GD03BP	952.00	12v DC	7.4a	Internal	3/4" BSPP	26 Bar	290	320	145
	ASATT06GD04	882.00	24v DC	3.7a	n/a	3/4" BSPP	26 Bar	290	320	145
	ASATT06GD04BP	952.00	24v DC	3.7a	Internal	3/4" BSPP	26 Bar	290	320	145
	ASA0084GD01	1247.00	12v DC	12.2a	n/a	1" BSPP	26 Bar	380	386	136
	ASA0084GD01BP	1288.00	12v DC	12.2a	Internal	1" BSPP	26 Bar	380	386	136
	ASA0084GD02	1247.00	24v DC	5.6a	n/a	1" BSPP	26 Bar	380	386	136
	ASA0084GD02BP	1288.00	24v DC	5.6a	Internal	1" BSPP	26 Bar	380	386	136
	ASA0084GD03	1288.00	12v DC	21.2a	n/a	1" BSPP	26 Bar	380	386	157
	ASA0084GD03BP	1328.00	12v DC	21.2a	Internal	1" BSPP	26 Bar	380	386	157
	ASA0084GD04	1288.00	24v DC	10.6a	n/a	1" BSPP	26 Bar	380	386	157
	ASA0084GD04BP	1328.00	24v DC	10.6a	Internal	1" BSPP	26 Bar	380	386	157



Specific cooling performance



Pressure drop at 30°C



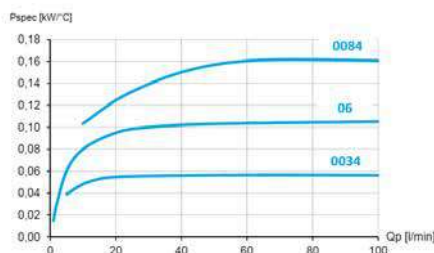
Options on page 288

Low Line Series AC Compact

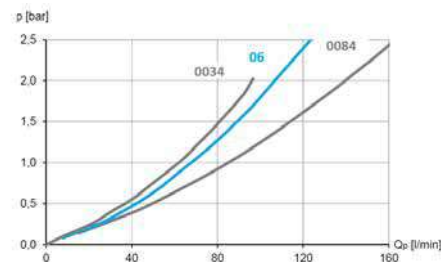
	Part #	List Price \$	Voltage	Current	Bypass	Ports	Max Pressure	Dimensions mm		
								H	W	D
	ASA0034GC2E	1151.00	240v AC	0.25a	n/a	3/4" BSPP	26 Bar	255	250	246
	ASA0034GC2EBP	1204.00	240v AC	0.25a	Internal	3/4" BSPP	26 Bar	255	250	246
	ASATT06GC2E	1545.00	240v AC	0.45a	n/a	3/4" BSPP	26 Bar	290	323	226
	ASATT06GC2EBP	1572.00	240v AC	0.45a	Internal	3/4" BSPP	26 Bar	290	323	226
	ASA0084GC2E	2010.00	240v AC	0.55a	n/a	1" BSPP	26 Bar	380	386	226
	ASA0084GC2EBP	2078.00	240v AC	0.55a	Internal	1" BSPP	26 Bar	380	386	226



Specific cooling performance



Pressure drop at 30°C



TT Rail Series - DC

Part #	List Price \$	Voltage	Current	Bypass	Max Pressure	Dimensions mm		
						H	W	D
ASATT07RD01	1075.00	12v	10.4a	n/a	26 Bar	300	320	160
ASATT07RD02	1075.00	24v	5.2a	n/a	26 Bar	300	320	160
ASATT07RD03	1161.00	12v	16.2a	n/a	26 Bar	300	320	176
ASATT07RD04	1161.00	24v	8.1a	n/a	26 Bar	300	320	176
ASATT11RD01	1326.00	12v	20.8a	n/a	26 Bar	340	380	175
ASATT11RD02	1326.00	24v	10.4a	n/a	26 Bar	340	380	175
ASATT13RD01	1638.00	12v	20.8a	n/a	26 Bar	420	405	205
ASATT13RD02	1638.00	24v	10.4a	n/a	26 Bar	420	405	205
ASATT16RD01	1950.00	12v	18.6a	n/a	26 Bar	465	460	190
ASATT16RD02	1950.00	24v	9.3a	n/a	26 Bar	465	460	190
ASATT21RD01	2271.00	12v	18.6a	n/a	26 Bar	605	460	243
ASATT21RD02	2271.00	24v	9.3a	n/a	26 Bar	605	460	243
ASATT25RD01	2687.00	12v	18.6a	n/a	26 Bar	605	555	257
ASATT25RD02	2687.00	24v	9.3a	n/a	26 Bar	605	555	257
NEW ASATT36RD01	3259.00	12v	2 x 22.6a	n/a	26 Bar	605	730	250
NEW ASATT36RD02	3259.00	24v	2 x 11.4a	n/a	26 Bar	605	730	250
ASATT07RD01BP	1404.00	12v	10.4a	2 bar *	26 Bar	300	320	160
ASATT07RD02BP	1404.00	24v	5.2a	2 bar *	26 Bar	300	320	160
ASATT07RD03BP	1491.00	12v	16.2a	2 bar *	26 Bar	300	320	176
ASATT07RD04BP	1491.00	24v	8.1a	2 bar *	26 Bar	300	320	176
ASATT11RD01BP	1569.00	12v	20.8a	2 bar *	26 Bar	340	380	175
ASATT11RD02BP	1569.00	24v	10.4a	2 bar *	26 Bar	340	380	175
ASATT13RD01BP	1837.00	12v	20.8a	2 bar *	26 Bar	420	405	205
ASATT13RD02BP	1837.00	24v	10.4a	2 bar *	26 Bar	420	405	205
ASATT16RD01BP	2097.00	12v	18.6a	2 bar *	26 Bar	465	460	190
ASATT16RD02BP	2097.00	24v	9.3a	2 bar *	26 Bar	465	460	190
ASATT21RD01BP	2444.00	12v	18.6a	2 bar *	26 Bar	605	460	243
ASATT21RD02BP	2444.00	24v	9.3a	2 bar *	26 Bar	605	460	243
ASATT25RD01BP	2851.00	12v	18.6a	2 bar *	26 Bar	605	555	257
ASATT25RD02BP	2851.00	24v	9.3a	2 bar *	26 Bar	605	555	257
NEW ASATT36RD01BP	3995.00	12v	2 x 22.6a	2 bar *	26 Bar	605	730	250
NEW ASATT36RD02BP	3995.00	24v	2 x 11.4a	2 bar *	26 Bar	605	730	250

* 1 or 5 bar bypass available on request



ASATT07



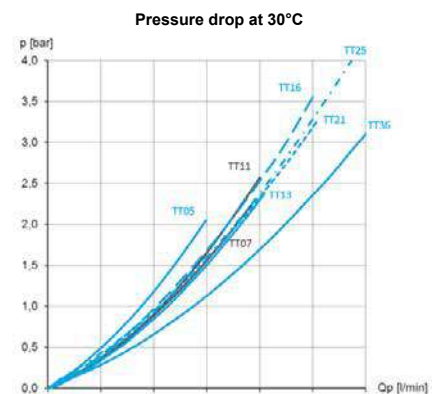
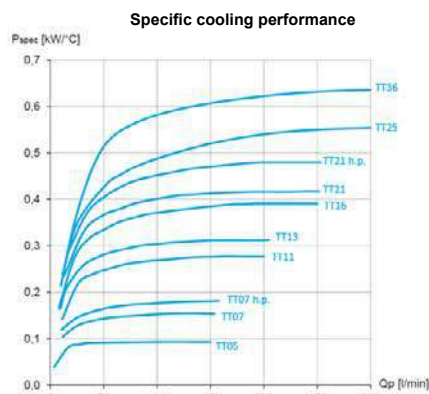
ASATT11



ASATT21



ASATT36

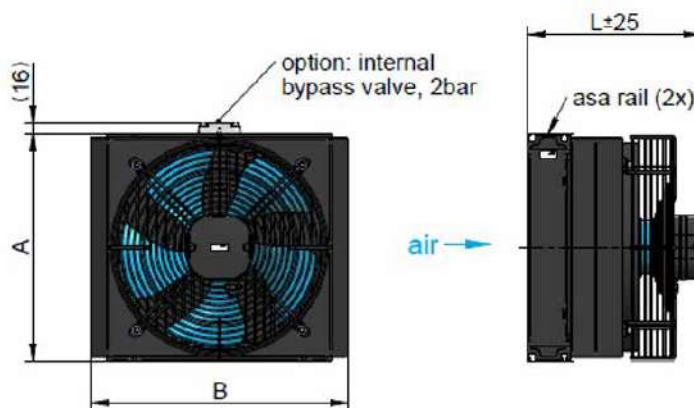


Must use with connector kits for ports - see page 285

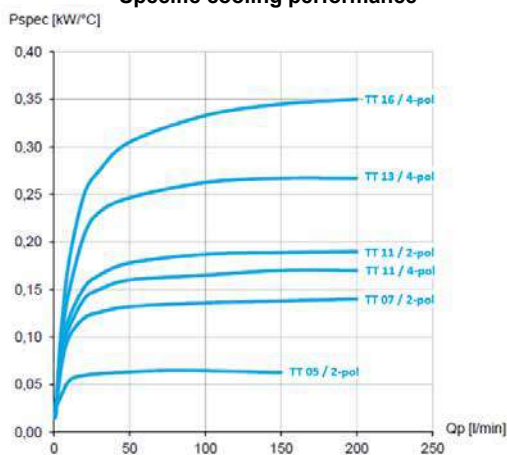
TT Rail Series Compact - 240v AC (Motor included)

Part #	List Price \$	Voltage	Current	Bypass	Max Pressure	Dimensions mm		
						A	B	L
ASATT07RC2E	1554.00	240v	0.45a	n/a	26 Bar	300	325	260
ASATT11RC4E	1706.00	240v	0.42a	n/a	26 Bar	340	385	260
ASATT11RC2E	1730.00	240v	0.55a	n/a	26 Bar	340	385	260
NEW ASATT13RC4E	2257.00	240v	0.66a	n/a	26 Bar	420	410	260
ASATT16RC4E	2622.00	240v	0.85a	n/a	26 Bar	465	465	285
ASATT07RC2EBP	1872.00	240v	0.45a	2 bar*	26 Bar	300	325	260
ASATT11RC4EBP	1907.00	240v	0.42a	2 bar*	26 Bar	340	385	260
ASATT11RC2EBP	1907.00	240v	0.55a	2 bar*	26 Bar	340	385	260
NEW ASATT13RC4EBP	2416.00	240v	0.66a	2 bar*	26 Bar	420	410	260
ASATT16RC4EBP	2711.00	240v	0.85a	2 bar*	26 Bar	465	465	285

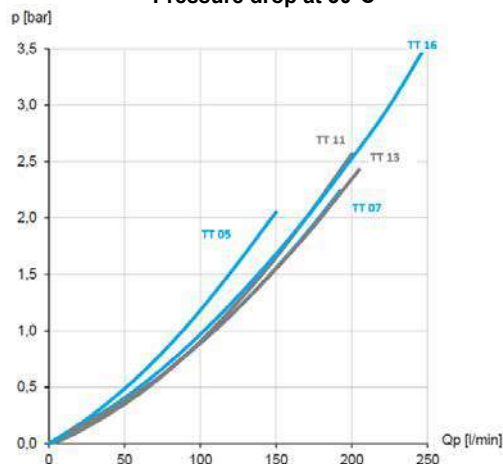
* 1 or 5 bar bypass available on request



Specific cooling performance



Pressure drop at 30°C



Options on page 288

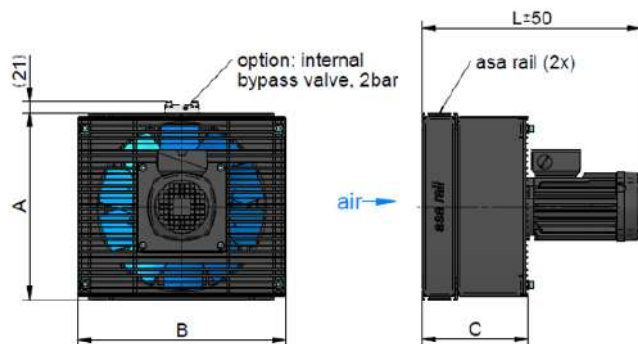


Must use with connector kits for ports - see page 285

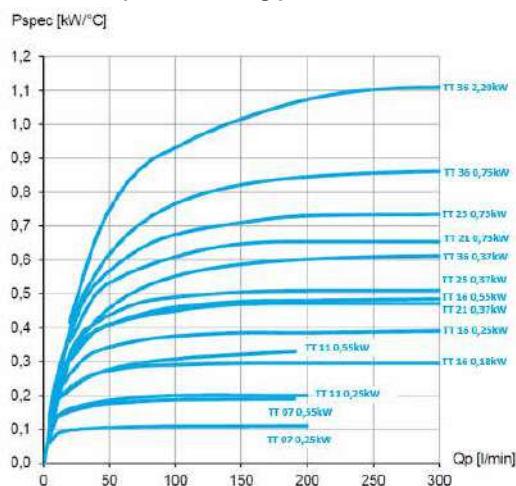
TT Rail Series - 240v/415v AC (Motor not included)

Part #	List Price \$	Motor Size	Bypass	Max Pressure	Dimensions mm			
					A	B	C	L
ASATT07RA00NM	1508.00	0.25kW 4P / 0.55kW 2P, D71 (B14)	n/a	26 Bar	300	320	193	396
ASATT11RA00NM	1872.00	0.25kW 4P / 0.55kW 2P, D71 (B14)	n/a	26 Bar	340	380	193	398
ASATT16RA40NM	2773.00	0.18kW 6P / 0.25kW 4P, D71 (B14)	n/a	26 Bar	465	462	219	414
ASATT16RA20NM	2834.00	0.55kW 2P, D71 (B14)	n/a	26 Bar	465	462	219	414
NEW ASATT21RA00NM	3701.00	0.37kW 6P / 0.75kW 4P, D80 (B14)	n/a	26 Bar	605	558	222	444
ASATT25RA00NM	3781.00	0.37kW 6P / 0.75kW 4P, D80 (B14)	n/a	26 Bar	605	558	219	440
ASATT07RA00BPNM	2061.00	0.25kW 4P / 0.55kW 2P, D71 (B14)	2 bar*	26 Bar	300	320	193	396
ASATT11RA00BPNM	2201.00	0.25kW 4P / 0.55kW 2P, D71 (B14)	2 bar*	26 Bar	340	380	193	398
ASATT16RA40BPNM	2912.00	0.18kW 6P / 0.25kW 4P, D71 (B14)	2 bar*	26 Bar	465	462	219	414
ASATT16RA20BPNM	2981.00	0.55kW 2P, D71 (B14)	2 bar*	26 Bar	465	462	219	414
NEW ASATT21RA00BPNM	3848.00	0.37kW 6P / 0.75kW 4P, D80 (B14)	2 bar*	26 Bar	605	558	222	444
ASATT25RA00BPNM	3929.00	0.37kW 6P / 0.75kW 4P, D80 (B14)	2 bar*	26 Bar	605	558	219	440

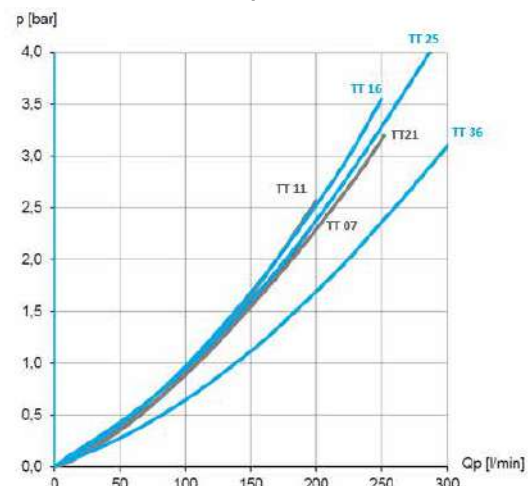
* 1 or 5 bar bypass available on request



Specific cooling performance



Pressure drop at 30°C



Options on page 288

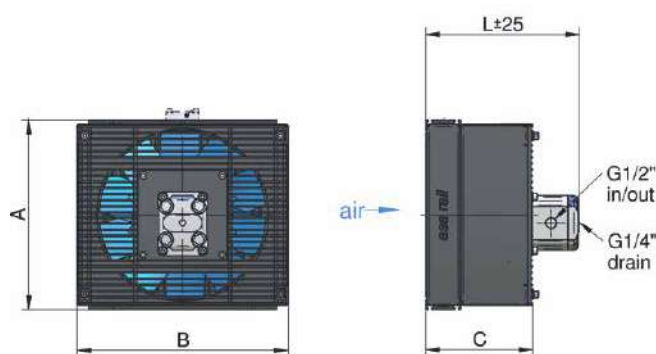


Must use with connector kits for ports - see page 285

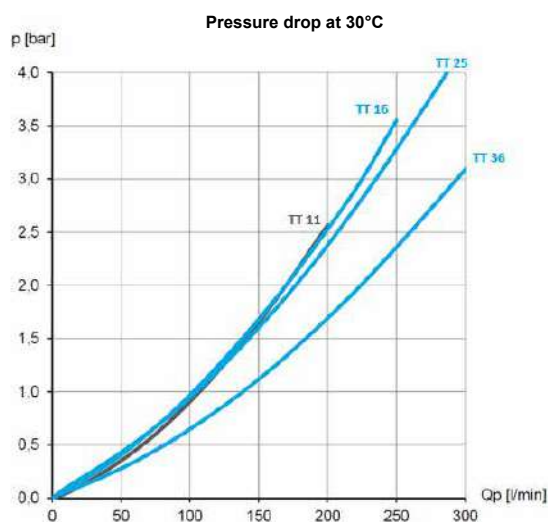
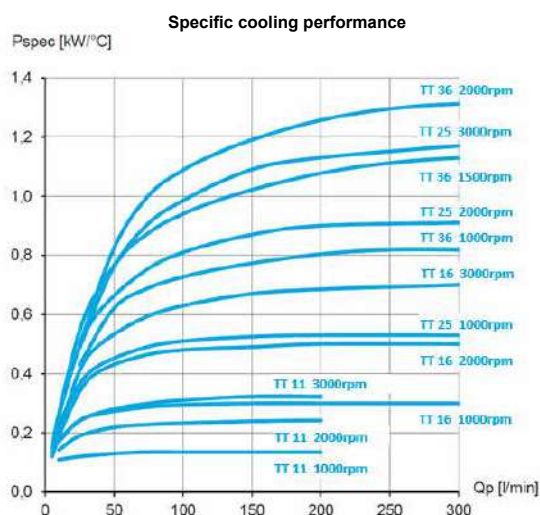
TT Rail Series - Hydraulic Drive

Part #	List Price \$	Motor Size	Bypass	Max Pressure	Dimensions mm			
					A	B	C	L
ASATT11RH11	2905.00	Group 2 DIN 11cc	n/a	26 bar	340	380	194	276
ASATT16RH11	3717.00	Group 2 DIN 11cc	n/a	26 bar	465	462	219	292
ASATT25RH11	4477.00	Group 2 DIN 11cc	n/a	26 bar	605	558	219	292
NEW ASATT36RH11	5226.00	Group 2 DIN 11cc	n/a	26 bar	605	736	239	367
ASATT11RH11BP	3132.00	Group 2 DIN 11cc	2 bar*	26 bar	340	380	194	276
ASATT16RH11BP	3903.00	Group 2 DIN 11cc	2 bar*	26 bar	465	462	219	292
ASATT25RH11BP	4768.00	Group 2 DIN 11cc	2 bar*	26 bar	605	558	219	292
NEW ASATT36RH11BP	5518.00	Group 2 DIN 11cc	2 bar*	26 bar	605	736	239	367

* 1 or 5 bar bypass available on request



Options on page 288

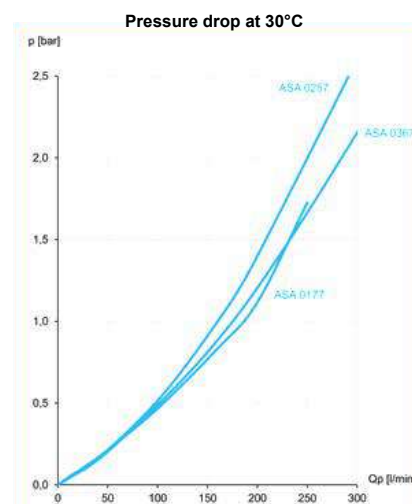
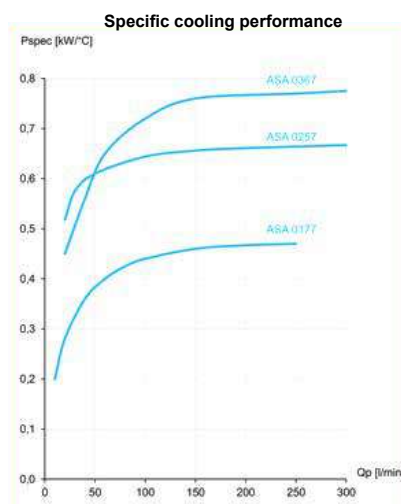
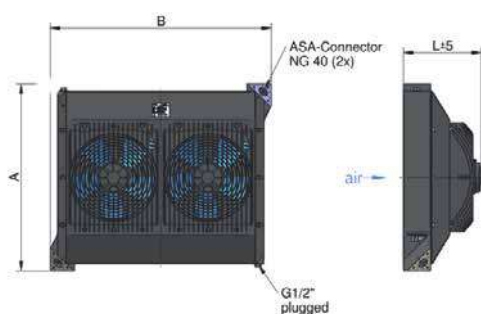


Must use with connector kits for ports - see page 285

ASA Series - DC

Part #	List Price \$	Voltage	Current	Bypass	Max Pressure	Dimensions mm		
						A	B	L
ASA0177AD01	2782.00	12v	18.6a	n/a	26 Bar	470	590	228
ASA0177AD02	2782.00	24v	9.3a	n/a	26 Bar	470	590	228
ASA0257AD01	3863.00	12v	20.8a	n/a	26 Bar	555	690	259
ASA0257AD02	3863.00	24v	10.4a	n/a	26 Bar	555	690	259
ASA0257AD03	4440.00	12v	2 x 20.8a	n/a	26 Bar	555	690	259
ASA0257AD04	4440.00	24v	2 x 10.4a	n/a	26 Bar	555	690	259
ASA0367AD01	5140.00	12v	2 x 20.8a	n/a	26 Bar	650	770	271
ASA0367AD02	5140.00	24v	2 x 10.4a	n/a	26 Bar	650	770	271
ASA0177AD01BP	2824.00	12v	18.6a	2 bar	26 Bar	470	590	228
ASA0177AD02BP	2825.00	24v	9.3a	2 bar	26 Bar	470	590	228
ASA0257AD03BP	4537.00	12v	2 x 20.8a	2 bar	26 Bar	555	690	259
ASA0257AD04BP	4537.00	24v	2 x 10.4a	2 bar	26 Bar	555	690	259
ASA0367AD01BP	5290.00	12v	2 x 20.8a	2 bar	26 Bar	650	770	271
ASA0367AD02BP	5290.00	24v	2 x 10.4a	2 bar	26 Bar	650	770	271

* 0.5 or 3.5 bar bypass available on request



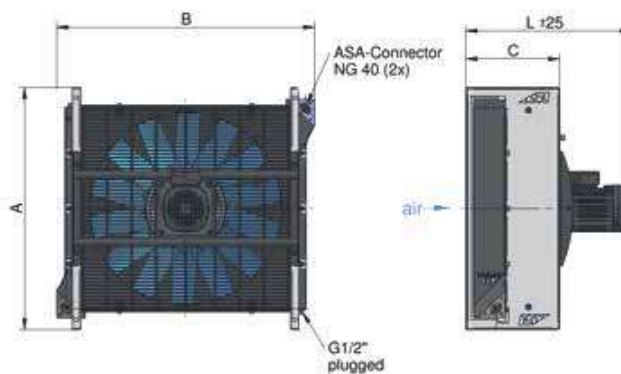
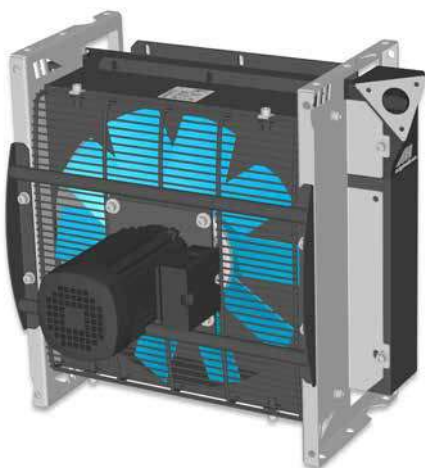
Options on page 288



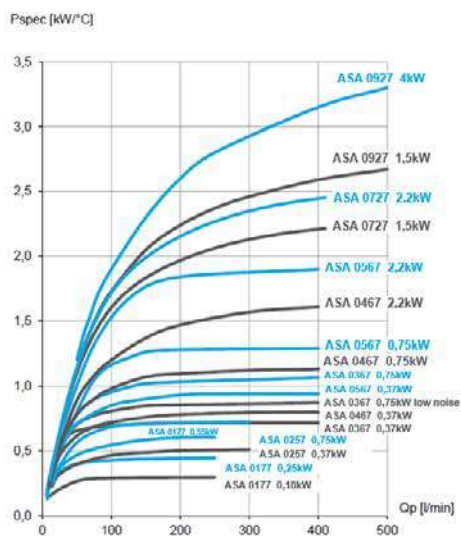
Must use with connector kits for ports - see page 285

ASA Series - 240/415v AC (Motor not included)

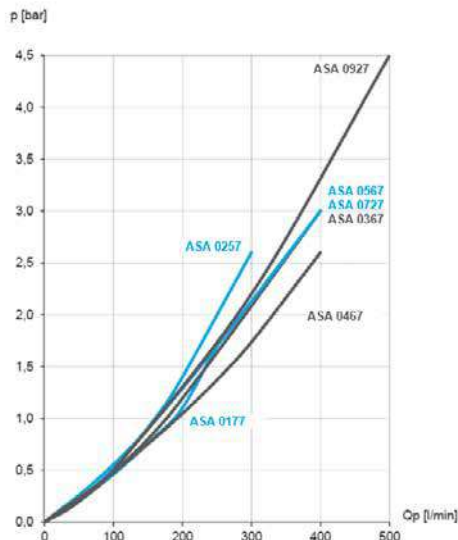
Part #	List Price \$	Motor Size	Bypass	Dimensions mm			
				A	B	C	L
ASA0177AA20NM	3710.00	0.55kW 2P - D71(B14)	26 Bar	530	582	260	486
ASA0177AA40NM	3710.00	0.25kW 4P 0.18kW 6P - D71(B14)	26 Bar	530	582	260	486
ASA0257AA47NM	4415.00	0.75kW 4P - D80(B14)	26 Bar	635	682	270	520
ASA0257AA66NM	4415.00	0.37kW 6P - D80(B14)	26 Bar	635	682	270	520
ASA0367AA46NM	5218.00	0.75kW 4P - D80(B14)	26 Bar	720	762	280	533
ASA0367AA66NM	5218.00	0.37kW 6P - D80(B14)	26 Bar	720	762	280	533
ASA0467AA47NM	7341.00	0.75kW 4P - D80(B14)	26 Bar	785	837	290	550
ASA0467AA66NM	7341.00	0.37kW 6P - D80(B14)	26 Bar	785	837	290	550
ASA0567AA47NM	7534.00	0.75kW 4P - D80(B14)	26 Bar	860	920	290	543
ASA0567AA66NM	7534.00	0.37kW 6P - D80(B14)	26 Bar	860	920	290	543
NEW ASA0727AA4ANM	10142.00	2.2kW 6P - D100(B14)	26 Bar	960	1012	360	640
NEW ASA0727AA6ANM	10012.00	1.5kW 6P - D100(B14)	26 Bar	960	1012	360	640
ASA0927AA6ANM	10851.00	1.5kW 2P - D100(B14)	26 Bar	1100	1170	320	664



Specific cooling performance



Pressure drop at 30°C



Options on page 288

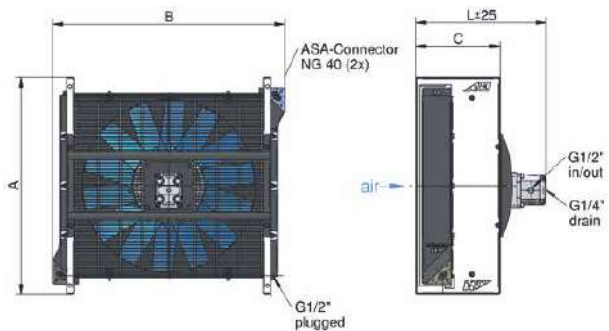
Internal Bypass
available on request



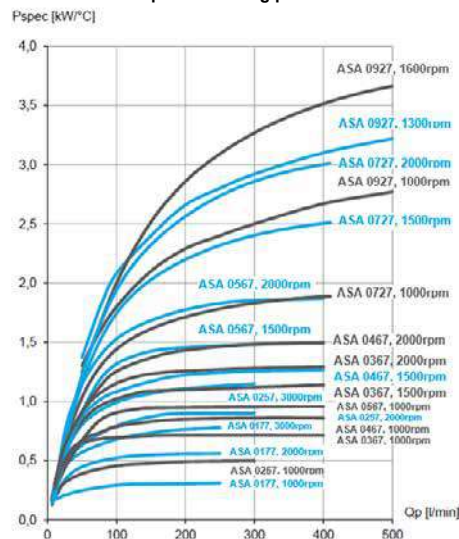
Must use with connector kits for ports - see page 285

ASA Series - Hydraulic Drive

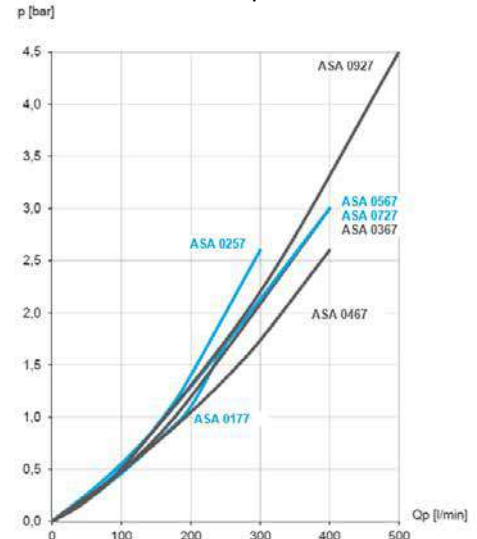
Part #	List Price \$	Motor Size	Bypass	Dimensions mm		
				A	B	L
ASA0177AH11	4591.00	Group 2 DIN 11cc	26 bar	530	582	364
ASA0257AH11	5443.00	Group 2 DIN 11cc	26 bar	635	682	383
ASA0367AH11	7222.00	Group 2 DIN 11cc	26 bar	720	762	430
ASA0467AH11	9129.00	Group 2 DIN 11cc	26 bar	785	837	448
ASA0567AH11	9191.00	Group 2 DIN 11cc	26 bar	860	920	448
NEW ASA0727AH11	11015.00	Group 2 DIN 11cc	26 bar	960	1012	521
ASA0927AH11	12731.00	Group 2 DIN 11cc	26 bar	1100	1170	475



Specific cooling performance



Pressure drop at 30°C



Options on page 288

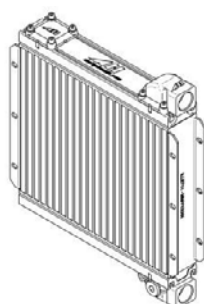
Internal Bypass
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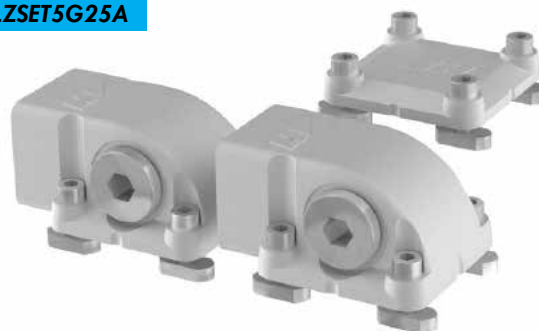
Must use with connector kits for ports - see page 285

TT Series Connector Kit

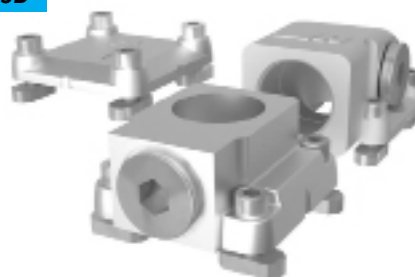
Part #	List Price \$	Port Size	Type
ILLZSET5G25	205.00	1" BSPP	2 x 90°
ILLZSET5G32	273.00	1.1/4" BSPP	2 x 90°
ILLZSET5G25A	205.00	1" BSPP	2 x Straight
ILLZSET5G25B	205.00	1" BSPP	1 x 90°, 1 x Straight



ILLZSET5G25A



ILLZSET5G25B



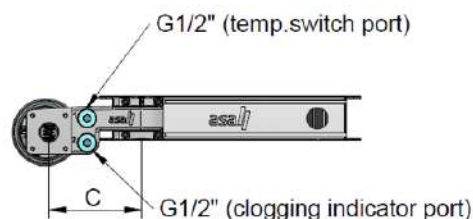
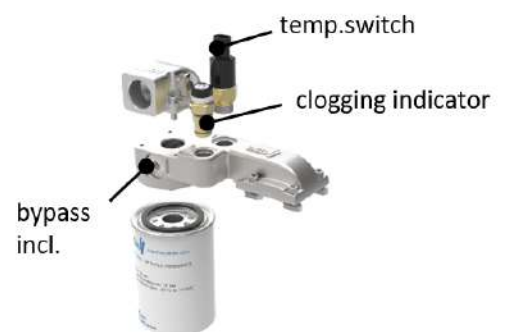
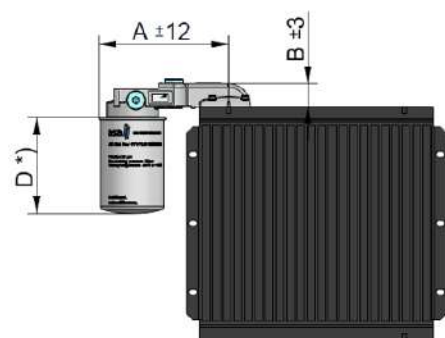
ASA Series Connector Kit

Part #	List Price \$	Port Size	Type
ILLZASA32G32	79.00	1.1/4" BSPP	2 connectors required per cooler
ILLZASA40G40	96.00	1.1/2" BSPP	2 connectors required per cooler
ILLZASA32U20	79.00	1.5/8" UNO	2 connectors required per cooler
ILLZASA40U24	96.00	1.7/8" UNO	2 connectors required per cooler
ILLZASA40-40G12	79.00	1/2" port sandwich plate	



Rail Filter Series

Part #	List Price \$	Spin-on Port Size	Max Flow	Micron	Bypass	Dimensions mm			
						A	B	C	D
ILLZRF11G2010	576.00	3/4" BSPP	60 lpm	10µm	2 bar	188	33	135	146
ILLZRF11G2025	576.00	3/4" BSPP	60 lpm	25µm	2 bar	188	33	135	146
ILLZRF12G2010	589.00	3/4" BSPP	100 lpm	10µm	2 bar	188	33	135	191
ILLZRF12G2025	589.00	3/4" BSPP	100 lpm	25µm	2 bar	188	33	135	191
NEW ILLZRF21G3210	710.00	1.1/4" BSPP	180 lpm	10µm	2 bar	228	47	160	181
NEW ILLZRF21G3225	710.00	1.1/4" BSPP	180 lpm	25µm	2 bar	228	47	160	181
NEW ILLZRF22G3210	751.00	1.1/4" BSPP	220 lpm	10µm	2 bar	228	47	160	240
NEW ILLZRF22G3225	751.00	1.1/4" BSPP	220 lpm	25µm	2 bar	228	47	160	240
HFZVEG15	317.00	Electrical clogging indicator G 1/2"							
HFZVOG15	246.00	Optical clogging indicator G 1/2"							



*) depending on the make of the filter element

Filter not included.
See filters on page 248

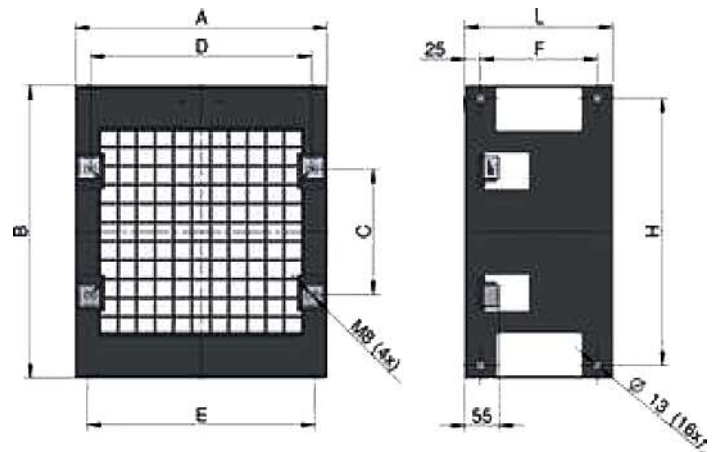
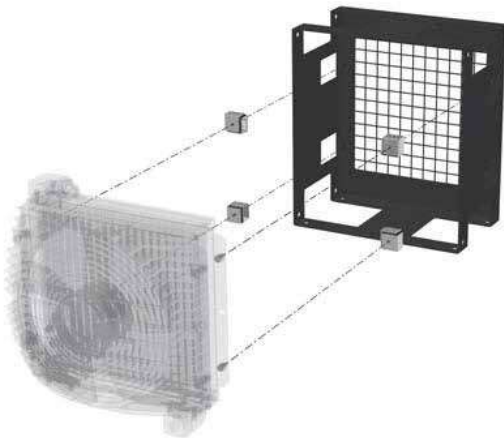
Foot Mounting Kits

Part #	List Price \$	Description
ILLEFUSSTT06K	105.00	Mounting feet set (fits TT06)
ILLEFUSSTTK	105.00	Mounting feet set (fits TT07-25)
ILLEFUSSTTHDK	201.00	Heavy duty mounting feet set (fits TT07-25)



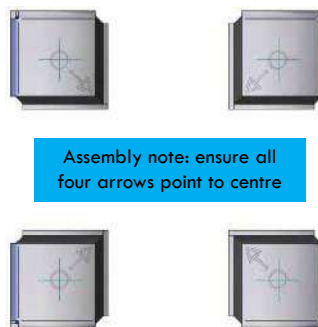
Protection Housings

Part #	List Price \$	Description
ILLEGAKTT07GT	1170.00	Protection housing kit TT07 Rail
ILLEGAKTT11GT	1291.00	Protection housing kit TT11 Rail
ILLEGAKTT16GT	1465.00	Protection housing kit TT16 Rail

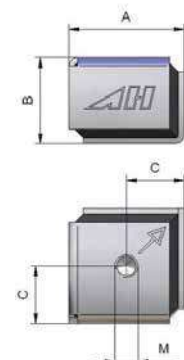


Rubber Vibration Absorbers

Part #	List Price \$	Material	Weight	M	Dimensions mm		
					A	B	C
MDGQ403008IIK	30.00	Zinc coated steel & natural rubber	0.13	M8 x 10	40	30	20
MDGQ504510IIK	58.00	Zinc coated steel & natural rubber	0.28	M10 x 12	50	45	25
MDGQ755512IIK	137.00	Zinc coated steel & natural rubber	0.659	M12 x 15	75	55	37.5
MDGQ1007516IIK	419.00	Zinc coated steel & natural rubber	1.92	M16 x 16.5	100	75	50



Assembly note: ensure all four arrows point to centre



Temperature Controller DC

Part #	List Price \$	Max Power Fan Motor	Max Current Fan	Protection	Weight	Supply
ILLZTC12-2K	402.00	310w	21a (14, 7v DC)	IP67	0.25kg	12v DC (9v-15v)
ILLZTC24-2K	402.00	340w	12a (24v DC)	IP67	0.25kg	24v DC (18v-32v)

Energy saving

Reduced noise level

EMC compatability



Technical Data

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

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.

Temperature Controller AC

Part #	List Price \$	Voltage	Temperature Range	Protection	Weight
ILLZTCACK	402.00	115/230v AC	-30°C to +120°C	IP40	0.56kg

Technical Data

Material	Steel sheet metal, powder coated
Mounting Instructions	Any mounting position
Switch Control Range	-30°C to +120°C
Contacts Rating	C.1-10(2,5)a/250v
Contacts Rating	C.2-6(2,5)a/250v
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 #	List Price \$	Description	Connection	Protection	Weight
ILLZTT5069K	148.00	Temperature Sensor 1/2" BSP	AMP Superseal 1.5	IP69K	0.09kg

Technical Data

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



Temperature Switches

Part #	List Price \$	Connection	Protection	Weight	Switch Temperature
ILLZTH5069K	148.00	AMP Superseal 1.5	IP 69K	0.10kg	50°C +/-5
ILLZTH6069K	148.00	AMP Superseal 1.5	IP 69K	0.10kg	60°C +/-5
ILLZTH9069K	148.00	AMP Superseal 1.5	IP 69K	0.10kg	90°C +/-5
ILLZTH4765K	157.00	ISO 4400	IP 65	0.09kg	50°C +/-5
ILLZTH6065K	157.00	ISO 4400	IP 65	0.09kg	60°C +/-5

Technical Data

Screw Part Material	Brass
Mounting Instructions	Any position
Maximum Tightening Torque	50 Nm
Number of Cycles	100,000
Counter Connector	Included
Contact	N.O. (Normal Open)
Minimum Current	200ma
Maximum Current	12v AC (10a), 24v AC (10a), 120v AC (15a), 230v AC
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



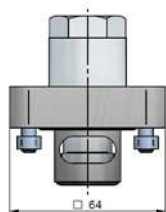
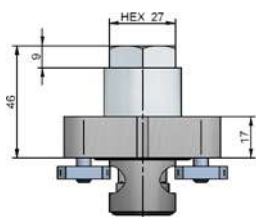
ILLZTH4765K



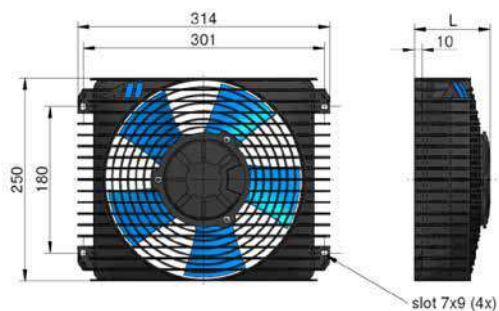
ILLZTH5069K

Temperature Bypass Valve (TT Series only)

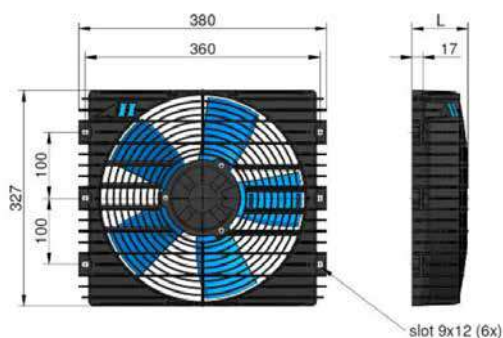
Part #	List Price \$	To suit	Max Working Temp.	Relief Temp.	Closing Temp.	Max Pressure
ILLZBPT5022K	822.00	TT Rail TT07-TT13	80°C	< 58°C	50-60°C	26 bar
ILLZBPT5027K	822.00	TT Rail TT16-TT25	80°C	< 58°C	50-60°C	26 bar



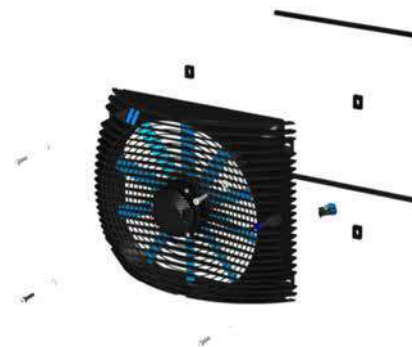
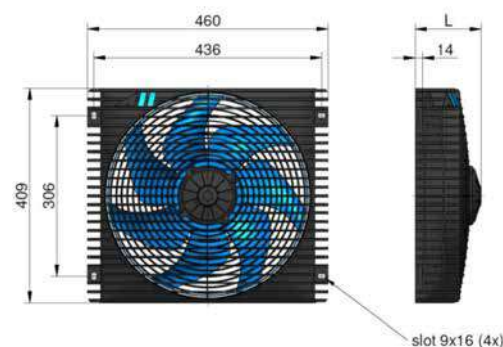
ASA Fan Kits						
Part #	List Price \$	Voltage	Current	Airflow	Fits Cooler	
NEW ILLELE1434A1	367.00	12v DC	5.4a	Pull	Low Line 0043G, 0053G	
NEW ILLELE1434A2	367.00	24v DC	2.7a	Pull	Low Line 0043G, 0053G	
NEW ILLELE2250A1	420.00	12v DC	5.4a	Pull	Low Line 0023G	
NEW ILLELE2250A2	420.00	24v DC	2.7a	Pull	Low Line 0023G	
NEW ILLELE0240A1	586.00	12v DC	7.4a	Pull	Low Line 06G	
NEW ILLELE0240A2	586.00	24v DC	3.7a	Pull	Low Line 06G	
NEW ILLELE0240A3	586.00	12v DC	10.4a	Pull	TT Rail 07RD01	
NEW ILLELE0240A4	586.00	24v DC	5.2a	Pull	TT Rail 07RD02	
NEW ILLELE0240O5	601.00	12v DC	16.2a	Pull	TT Rail 07RD03	
NEW ILLELE0240O6	601.00	24v DC	8.1a	Pull	TT Rail 07RD04	
NEW ILLELE0295A1	627.00	12v DC	15.4a	Pull	Low Line 0084GD01	
NEW ILLELE0295A2	627.00	24v DC	7.7a	Pull	Low Line 0084GD02	
NEW ILLELE0295A5	639.00	12v DC	20.8a	Pull	ASA 0115, 257AD03 & 0367, TT Rail 11 & 13, Low Line 0084GD03	
NEW ILLELE0295A6	639.00	24v DC	10.4a	Pull	ASA 0115, 257AD04 & 0367, TT Rail 11 & 13, Low Line 0084GD04	
NEW ILLELE0295S5	639.00	12v DC	20.8a	Push	ASA 0115, 257AD03 & 0367, TT Rail 11 & 13, Low Line 0084GD03	
NEW ILLELE0295S6	639.00	24v DC	10.4a	Push	ASA 0115, 257AD04 & 0367, TT Rail 11 & 13, Low Line 0084GD04	
NEW ILLELE0385A1	735.00	12v DC	18.6a	Pull	ASA 0176 - 0257AD01, TT Rail 16 - 25	
NEW ILLELE0385A2	735.00	24v DC	9.3a	Pull	ASA 0176 - 0257AD02, TT Rail 16 - 25	
NEW ILLELE0385S1	735.00	12v DC	18.6a	Push	ASA 0176 - 0257AD01, TT Rail 16 - 25	
NEW ILLELE0385S2	735.00	24v DC	9.3a	Push	ASA 0176 - 0257AD02, TT Rail 16 - 25	



Fan kit 0240



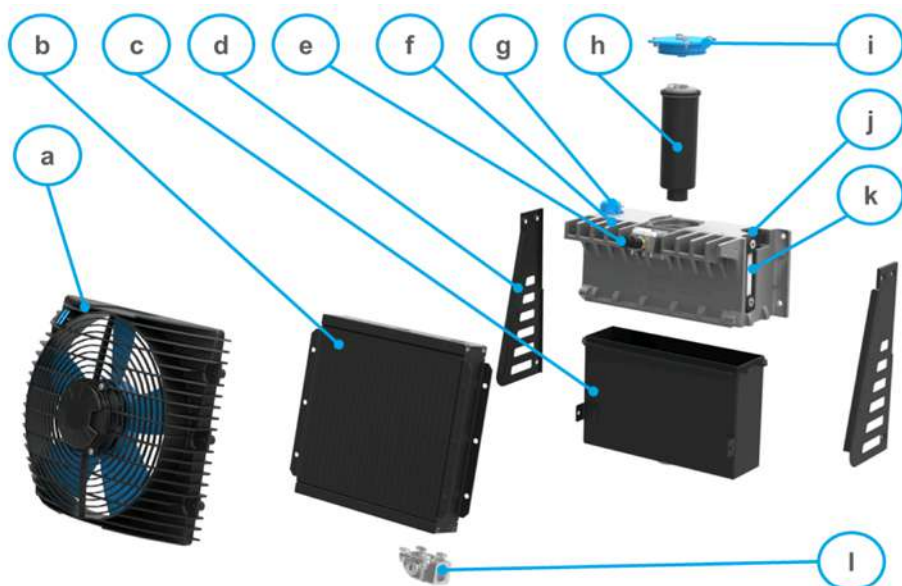
Fan kit 0295



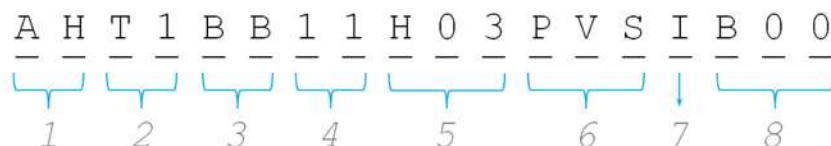
Fan kit 0385

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.



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,

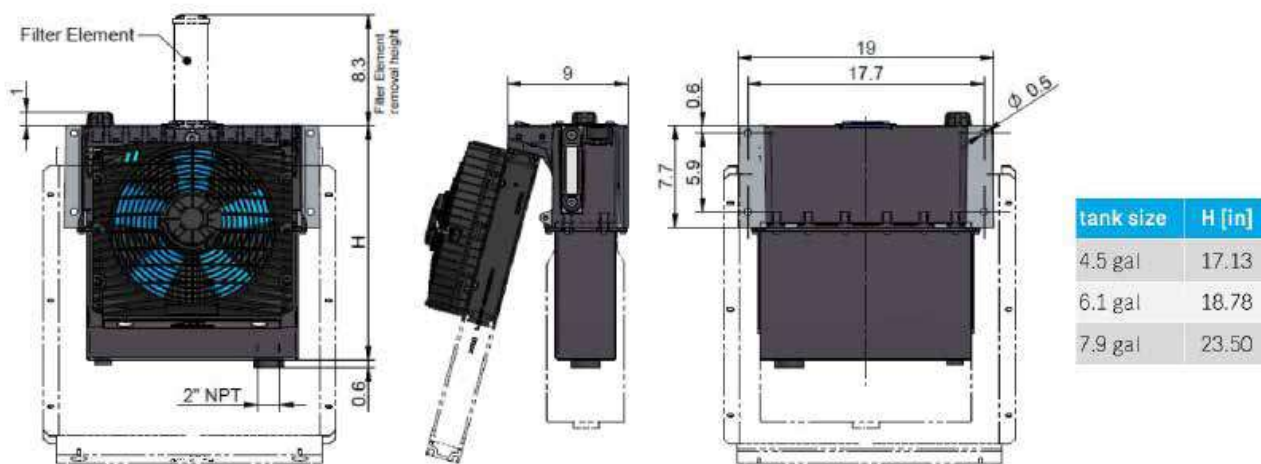
** EU version truck frame flange 150 x 450mm and BSP suction port
US version truck frame flange 5.5 x 17.5inch and NPT suction port
*** stainless steel and protection housing not in combination with cooler size TT 25!

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 #	List Price \$	Tank Size	Fan Drive	Filter	Cooler Size	Options	Clogging Indicator
AH R5 DO 16 D02 KTO I	7350.00	4.5 gallon	24v DC	16µm return filter*	TT16 Rail 2bar bypass	Temperature Control DC	Optical
AH R8 DO 16 D02 KTO I	7434.00	7.9 gallon	24v DC	16µm return filter*	TT16 Rail 2bar bypass		Optical
AH R5 DO 16 H03 PVS 000 I	13835.00	4.5 gallon	3cc Hydraulic	16µm return filter*	TT16 Rail 2bar bypass	Stainless Steel Housing**	Optical
AH R8 DO 16 H03 PVS 000 I	13921.00	7.9 gallon	3cc Hydraulic	16µm return filter*	TT16 Rail 2bar bypass		Optical

* 1.75 bar bypass ** with adjustable inbuilt relief system 210 bar

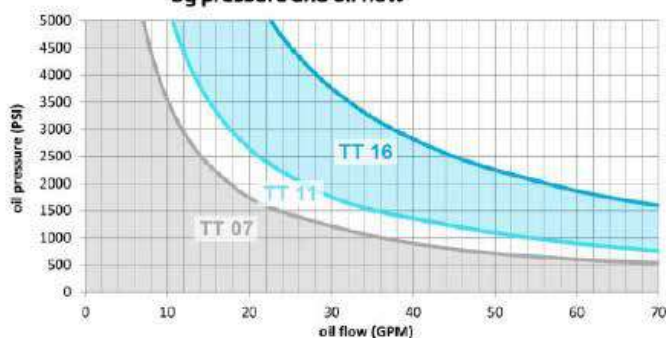


The actual performance output of the H-cube system is a combination of the cooler size (radiator core) and the type of fan drive. Choose the possible performances from the table below. The shown performance is the maximum possible specific cooling performance depending on the oil flow.

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



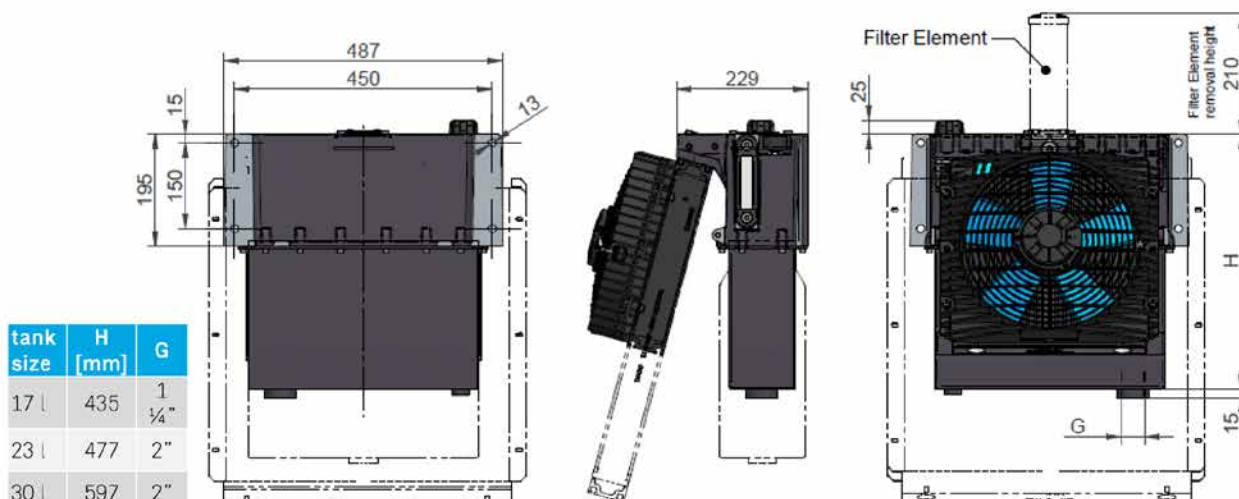
radiator material	brazed aluminium
radiator air fin	wavy
tank material	steel
integration block	anodized cast aluminium

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

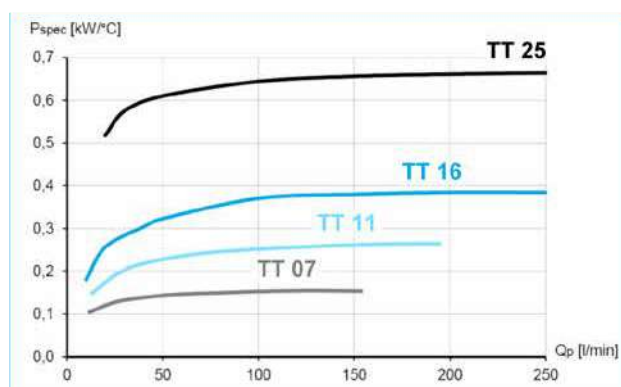
H-Cube Series (EU Version)

Part #	List Price \$	Tank Size	Fan Drive	Filter	Cooler Size	Options	Clogging Indicator
AH T3 DO 25 D02 KTO E	8747.00	30 Litre	24v DC	16µm return filter*	TT25 Rail 2bar bypass	Temperature Control DC	Electric

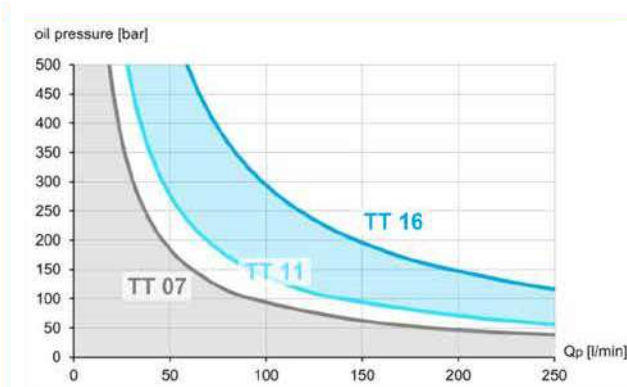
* 1.75 bar bypass



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



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

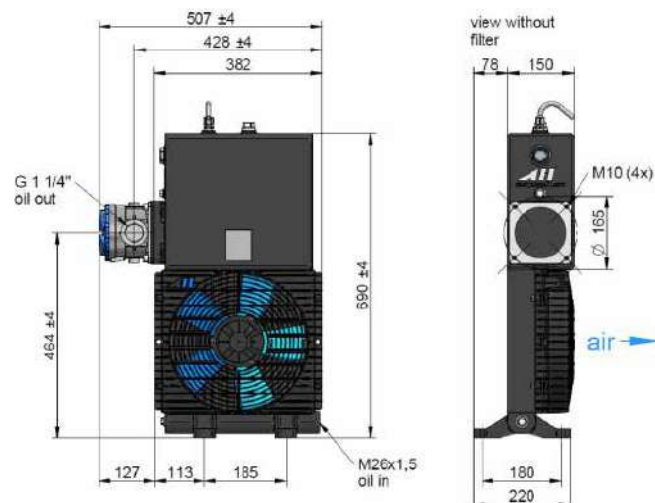
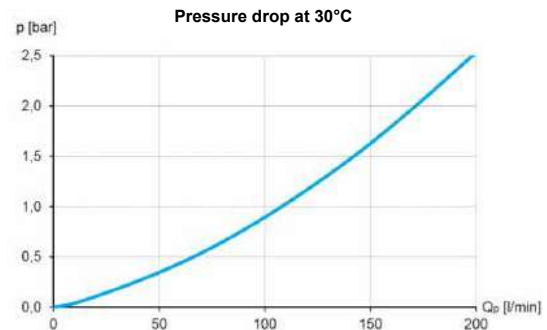
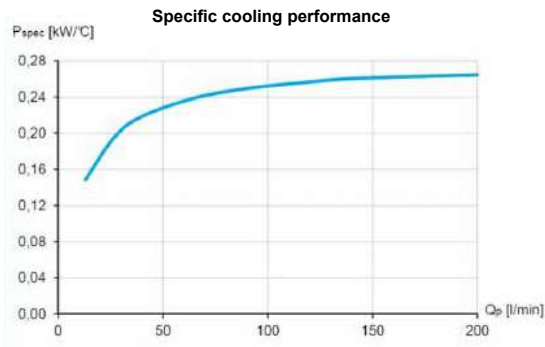


radiator material	brazed aluminium
radiator air fin	wavy
tank material	steel
integration block	cast aluminium

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

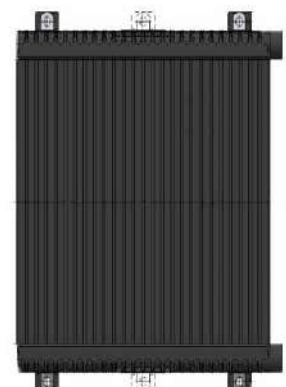
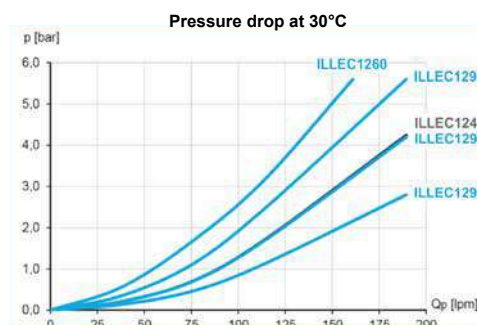
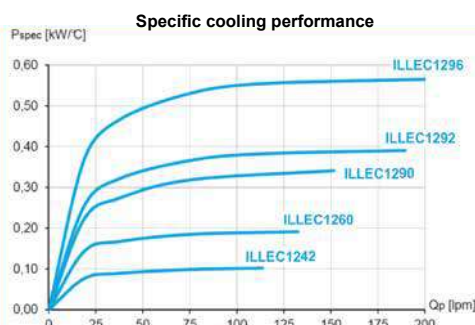
Oil/Air Cooler with Integrated Suction Filter & Tanks

Part #	List Price \$	Motor	Current	Voltage	Max Pressure	Protection	Tank
ILLCO1101FTF	2069.00	0.25 kW	15.0a	12v	1.2 bar	IP68	12 ltr
ILLCO1102FTF	2069.00	0.25 kW	7.7a	24v	1.2 bar	IP68	12 ltr



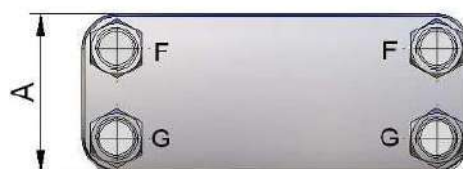
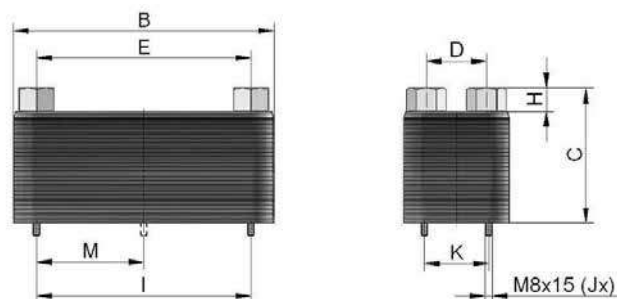
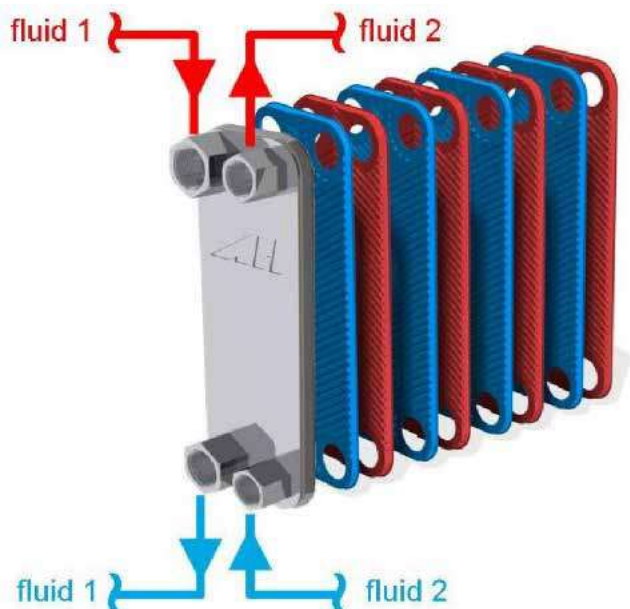
12 Series Radiator Cores

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

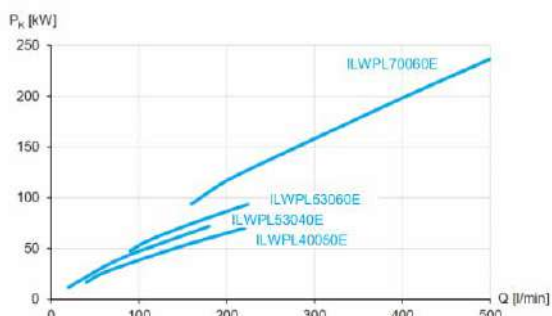
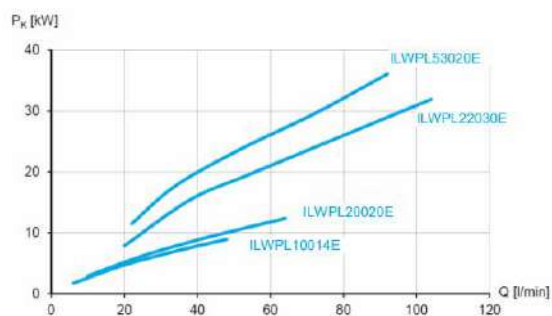


Brazed Plate Heat Exchangers

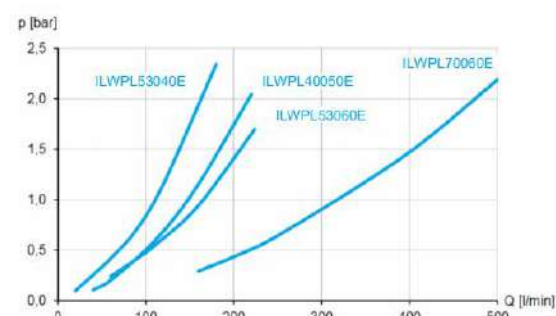
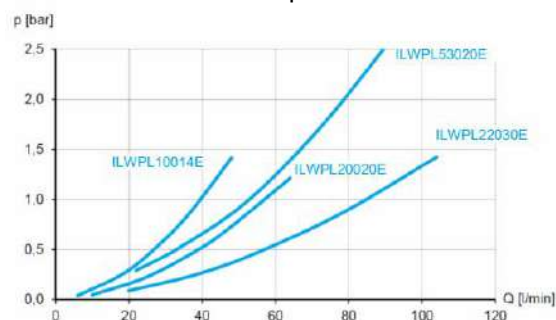
Part #	List Price \$	Max Pressure	Ports F/G	Dimensions mm						
				A	B	C	D	E	H	K
ILWPL10014EP	737.00	30 bar	1/2" BSPP	73	205	64.5	42	172	27	-
ILWPL20020EP	869.00	30 bar	3/4" BSPP	80	194	82	40	154	27	-
ILWPL22030EP	1185.00	30 bar	1" & 3/4" BSPP	106	306	109	50	250	27	40
ILWPL22060EP	1525.00	30 bar	1" & 3/4" BSPP	106	306	181	50	250	27	40
ILWPL40050EP	2003.00	30 bar	1" BSPP	124	304	157	70	250	27	75
ILWPL53020EP	1653.00	30 bar	1" BSPP	124	504	85	64	444	27	75
ILWPL53040EP	2118.00	30 bar	1" BSPP	124	504	133	64	444	27	75
ILWPL53060EP	2694.00	30 bar	1" BSPP	124	504	181	64	444	27	75
ILWPL70020EP	2523.00	30 bar	1.1/2" BSPP	246	528	86.5	174	456	27	150
ILWPL70060EP	5165.00	30 bar	1.1/2" BSPP	246	528	183	174	456	27	150
ILWPL70120EP	8353.00	30 bar	1.1/2" BSPP	246	528	327	174	456	27	150
ILWPL70160EP	10726.00	30 bar	1.1/2" BSPP	246	528	423	174	456	27	150



Specific cooling performance



Pressure drop at 30°C



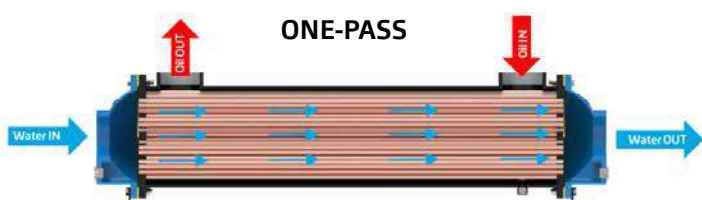


SPECIAL RANGE ST SERIES SHELL TUBE HEAT EXCHANGER

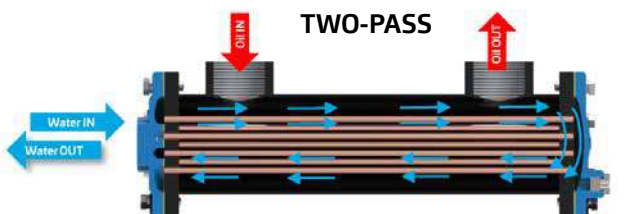
COMING TO HYDRAULICS NETWORK IN 2022



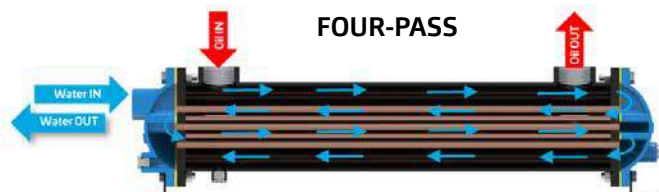
ONE-PASS



TWO-PASS



FOUR-PASS



ASA Hydraulik's ST series is a modular range of shell and tube design heat exchangers. The main benefits of this design are the versatility of applications more independent of the used fluid quality and good maintenance ability compared to other heat exchanger types.

Our modular setup allows the best suitable connection and flow principle for lowest pressure drop at highest cooling performance.

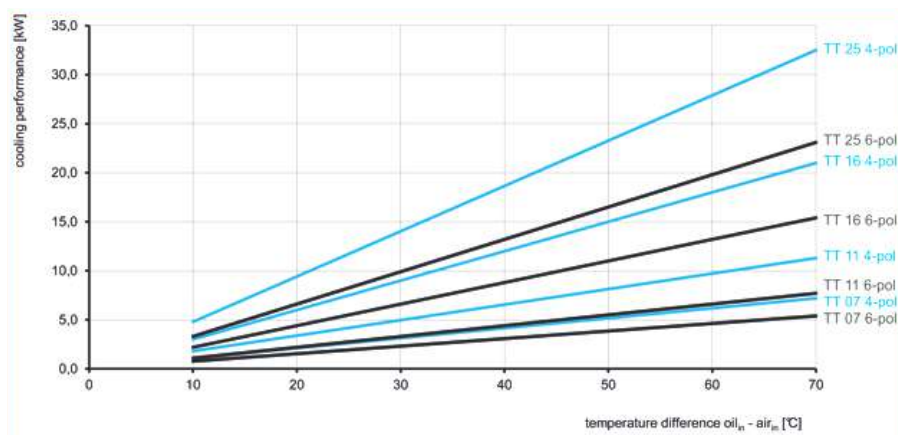
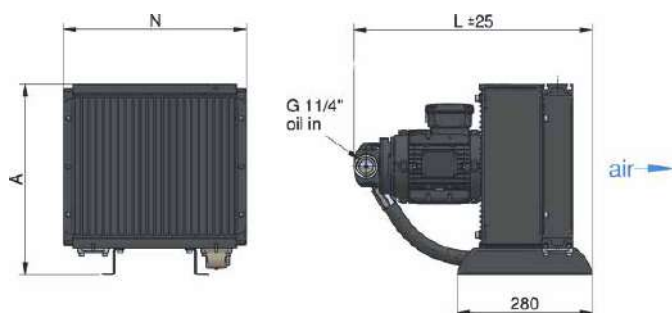
We supply one, two or four pass configurations as well as different material combinations. For raising efficiency we offer all these configurations with hybrid finned tube technology.

**AVAILABLE ON REQUEST
CONTACT US FOR MORE DETAILS**



CC Series - TT Rail - AC (Gerotor Pump)

Part #	List Price \$	Motor Size	Max Pressure	Flow	Dimensions mm		
					A	N	L
ASATT07RA47CC	4600.00	0.75kW 4P 415v	10 bar	30 lpm	355	320	493
ASATT11RA47CC	4953.00	0.75kW 4P 415v	10 bar	30 lpm	395	380	495
ASATT16RA47CC	5695.00	0.75kW 4P 415v	10 bar	30 lpm	520	460	511
ASATT25RA47CC	6763.00	0.75kW 4P 415v	7 bar	30 lpm	660	558	511



Options on page 288

Larger sizes
available on request

Connector Kits

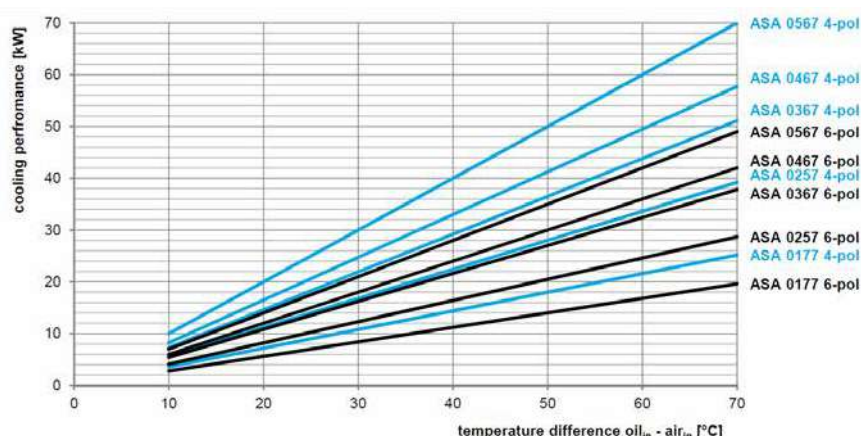
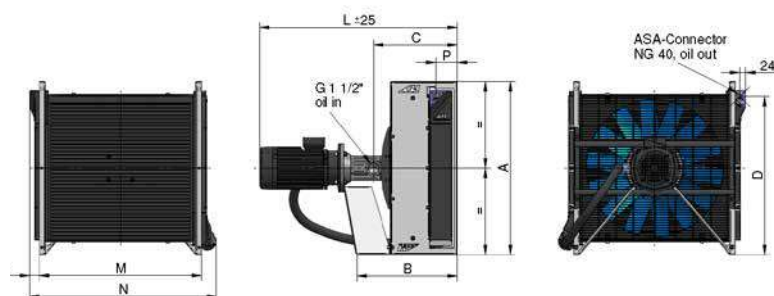
Part #	List Price \$	Port Size	Type
ILLZATT53G25K	83.00	1" BSPP	Rail connector



Must use with connector kits for ports - see page 285

CC Series - Offline - AC (Screw Pump)

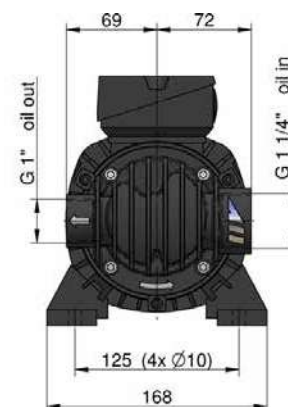
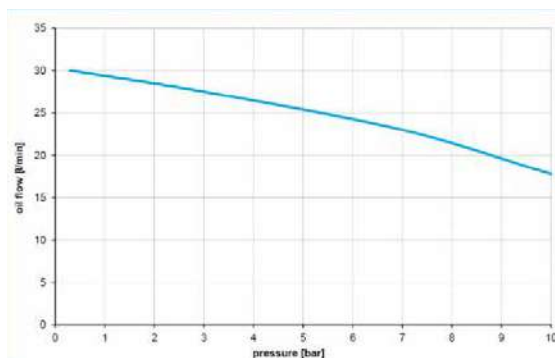
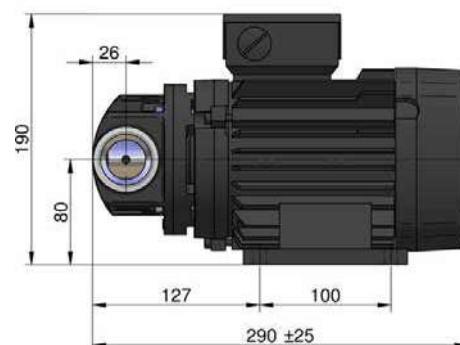
Part #	List Price \$	Motor Power	Motor Current	Oil Flow	Max Pressure	Weight	Dimensions mm			
							A	B	L	N
ASA0177AA49CC	10816.00	1.5 kW 4P	3.35a	60 lpm	10 bar	70.7	530	400	807	601
ASA0257AA49CC	11654.00	1.5 kW 4P	3.35a	60 lpm	10 bar	80	635	410	817	701
ASA0367AA49CC	12678.00	1.5 kW 4P	3.35a	60 lpm	8 bar	90.4	720	420	827	781
ASA0467AA49CC	14771.00	1.5 kW 4P	3.35a	60 lpm	8 bar	107.7	785	420	837	856
ASA0567AA49CC	14833.00	1.5 kW 4P	3.35a	60 lpm	8 bar	108.1	860	410	837	931
ASA0177AA68CC	10816.00	0.75 kW 6P	1.95a	40 lpm	9 bar	66.7	530	400	807	601
ASA0257AA68CC	11654.00	0.75 kW 6P	1.95a	40 lpm	9 bar	76	635	410	817	701
ASA0367AA68CC	12678.00	0.75 kW 6P	1.95a	40 lpm	8 bar	86.4	720	420	827	781
ASA0467AA68CC	14771.00	0.75 kW 6P	1.95a	40 lpm	8 bar	103.7	785	420	837	856
ASA0567AA68CC	14833.00	0.75 kW 6P	1.95a	40 lpm	8 bar	104.1	860	410	837	931



Must use with connector kits for ports - see page 285

Gerotor Pump Unit - 230/400v 50Hz

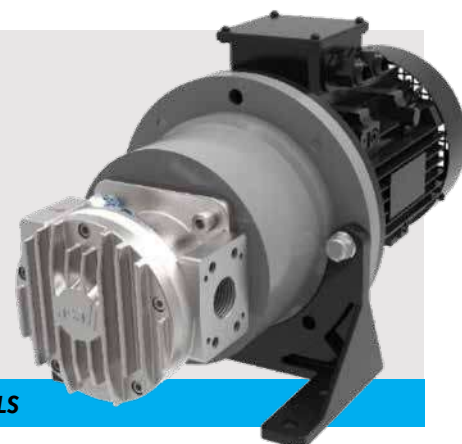
Part #	HY0200758G	HY0201108G
List Price \$	2329.00	3386.00
Motor Power	0.75 kW	1.10 kW
Maximum Oil Viscosity	100 cSt	250 cSt
Maximum Current	2.1a	2.6a
60 Hz	Possible, 276/480v	On request
Weight	13.8kg	16.6kg
Oil Flow	30 lpm	
Negative Pressure	-0.4 bar	
Poles	4 pole	
Ambient Temperature	-20°C to +40°C	
Maximum Working Pressure	10 bar	
Maximum Oil Temperature	80°C (100°C on request)	
Fluids	Mineral oils	
Pump Housing	Aluminium	
Gerotor	Sintered Steel	



GEROTOR PUMP GENERATION 2

The GERO generation 2 gerotor pumps are constant displacement pumps with compact measurements, high cleanliness and a robust attribute. This is a completely new design with trend-setting modules to serve for highest flexibility to the actual application.

The aluminium body of the housing, the steel shaft and the standard NBR sealings are the perfect match for any mineral oil application. The pump is recommended for lubrication circuits as well as for oil supply, cooling and filtration systems.



AVAILABLE ON REQUEST - CONTACT US FOR MORE DETAILS

Suction Butterfly Valves

Part #	List Price \$	Size	Max Working Pressure	Differential Pressure
SDA0040	459.00	DIN40 SAE 1.1/2"	7 bar	6 bar
SDA0050	511.00	DIN50 SAE 2"	7 bar	6 bar
SDA0063	537.00	DIN65 SAE 2.1/2"	7 bar	6 bar
SDA0080	598.00	DIN80 SAE 3"	7 bar	6 bar
SDA0100	719.00	DIN100 SAE 4"	7 bar	6 bar
SDA0125	841.00	DIN125 SAE 5"	7 bar	6 bar

SDA Series (front)



SDA Series (back)

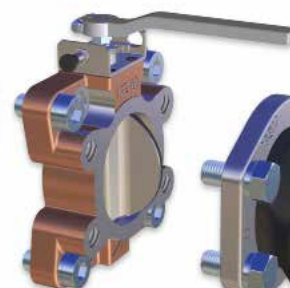


SDAET Series



Adaptor Flange

Part #	List Price \$	Description	Material
SDAET040K	199.00	Adaptor NG40	ST37 Steel
SDAET063K	217.00	Adaptor NG50 & 63	ST37 Steel
SDAET080K	234.00	Adaptor NG80	ST37 Steel
SDAET100K	312.00	Adaptor NG100	ST37 Steel
SDAET125K	373.00	Adaptor NG125	ST37 Steel



Compensators - SAE

Part #	List Price \$	Size	Material	Max Working Pressure
SDKSS025	377.00	NG25 SAE 1"	NBR/CR Steel	1.5 bar (absolute)
SDKSS032	392.00	NG32 SAE 1.1/4"	NBR/CR Steel	1.5 bar (absolute)
SDKSS040	392.00	NG40 SAE 1.1/2"	NBR/CR Steel	1.5 bar (absolute)
SDKSS050	447.00	NG50 SAE 2"	NBR/CR Steel	1.5 bar (absolute)
SDKSS063	473.00	NG63 SAE 2.1/2"	NBR/CR Steel	1.5 bar (absolute)
SDKSS080	521.00	NG80 SAE 3"	NBR/CR Steel	1.5 bar (absolute)
SDKSS092	584.00	NG90 SAE 3.1/2"	NBR/CR Steel	1.5 bar (absolute)
SDKSS100	706.00	NG100 SAE 4"	NBR/CR Steel	1.5 bar (absolute)
SDKSS126	939.00	NG125 SAE 5"	NBR/CR Steel	1.5 bar (absolute)

SAE Series



DIN Series

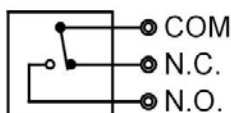
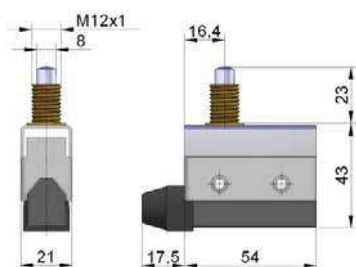


Compensators - DIN

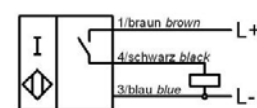
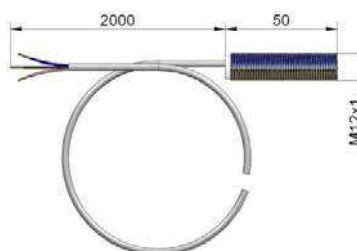
Part #	List Price \$	Size	Material	Nominal Pressure
SDKHDD6D60032N00	485.00	NG32	NBR/CR Steel	Up to 16 bar
SDKHDD6D60040N00	514.00	NG40	NBR/CR Steel	Up to 16 bar
SDKHDD6D60050N00	535.00	NG50	NBR/CR Steel	Up to 16 bar
SDKHDD6D60065N00	613.00	NG65	NBR/CR Steel	Up to 16 bar
SDKHDD6D60080N00	748.00	NG80	NBR/CR Steel	Up to 16 bar
SDKHDD6D60100N00	926.00	NG100	NBR/CR Steel	Up to 16 bar
SDKHDD6D60125N00	1141.00	NG125	NBR/CR Steel	Up to 16 bar
SDKHDD6D60200N00	1411.00	NG200	NBR/CR Steel	Up to 16 bar
SDKHDD6D60300N00	2652.00	NG300	NBR/CR Steel	Up to 16 bar

Limit Switches

Part #	List Price \$	Description
EAFSMK	95.00	Mechanical Limit Switch
EAFSIK	157.00	Inductive Limit Switch



EAFSMK



EAFSIK