

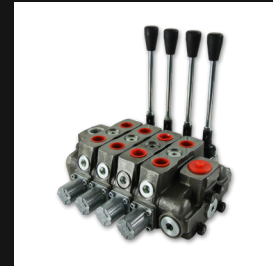
# Hydraulics Network



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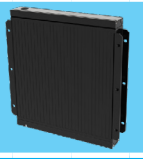



**ASA COOLERS &  
ACCESSORIES  
2023**

# COOLERS & ACCESSORIES

## ASA STANDARD SERIES OVERVIEW



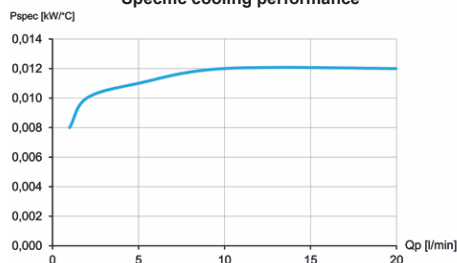
|  | Low Line Series |       |       | TT-Rail Series  |       |       |       |       |       |       |       |       |       | ASA Series  |          |          |          |          |          |          |   |
|--|-----------------|-------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|----------|----------|----------|----------|----------|----------|---|
|  | 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 |   |
| <b>DC</b><br>                     | ●               | ●     | ●     | ●   | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●   | ●        | -        | -        | -        | -        |          |   |
| <b>DC Brushless</b><br>           | -               | ○     | ○     | ○   | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○   | ○        | -        | -        | -        | -        |          |   |
| <b>AC</b><br>                     | ●               | ●     | ●     | ●   | ●     | ●     | -     | ●     | ●     | -     | ●     | -     | ●     | ●   | ●        | ●        | ●        | ●        | ●        |          |   |
| <b>AC Compact</b><br>            | ●               | ●     | ●     | ●   | ●     | ●     | -     | -     | -     | -     | -     | -     | -     | -   | -        | -        | -        | -        | -        |          |   |
| <b>CC Offline</b><br>           | -               | -     | -     | ●   | ●     | -     | ●     | -     | -     | ●     | -     | ●     | -     | ●   | ●        | ●        | ●        | ●        | -        | -        |   |
| <b>Hydraulic</b><br>            | -               | -     | -     | ○   | ●     | -     | ●     | -     | -     | ●     | -     | ●     | -     | ●   | ●        | ●        | ●        | ●        | ●        | ●        |   |
| <b>Pressure Bypass</b><br>      | ○               | ○     | ○     | ○   | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○   | ○        | ○        | ○        | ○        | ○        | ○        |   |
| <b>Thermo Bypass</b><br>        | -               | -     | -     | ○   | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○   | ○        | ○        | ○        | ○        | ○        | ○        | - |
| <b>DC Fan Speed Control</b><br> | ●               | ●     | ●     | ●   | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●   | ●        | -        | -        | -        | -        |          |   |
|                                 |                 |       |       |  |       |       |       |       |       |       |       |       |       |  |          |          |          |          |          |          |   |
|  | Low Line Series |       |       | TT-Rail Series  |       |       |       |       |       |       |       |       |       | ASA Series  |          |          |          |          |          |          |   |

- not available    ● available as standard    ○ on request (or standard with different part #)

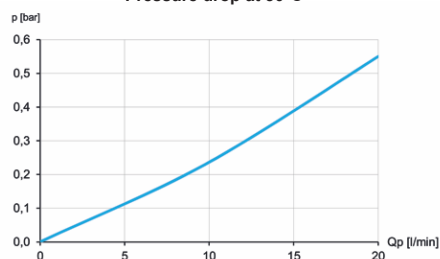
### ASA0013 Low Line Series

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

Specific cooling performance



Pressure drop at 30°C

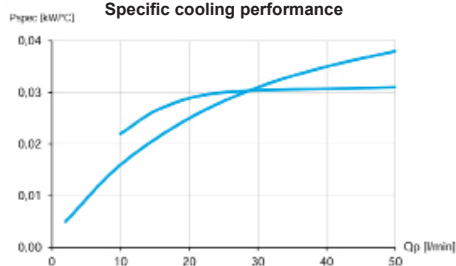


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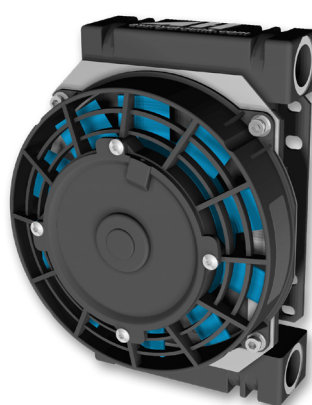
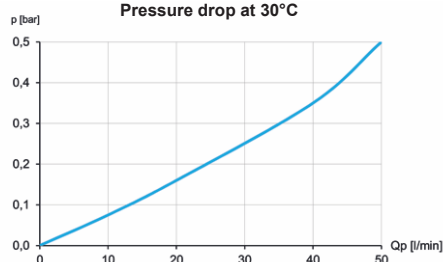
### ASA0023 Low Line Series

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

Specific cooling performance



Pressure drop at 30°C



AS0023GD



AS0023GE

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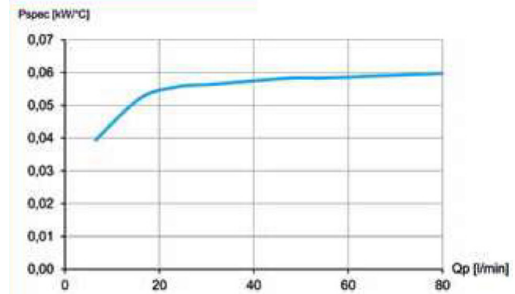
### ASA0033 Low Line Series

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

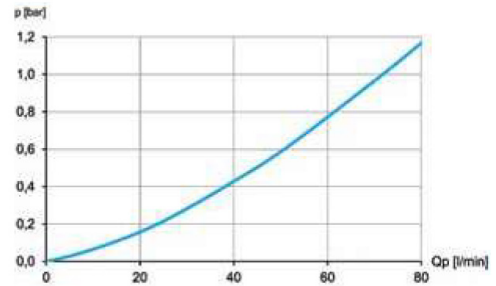
12v/24v DC



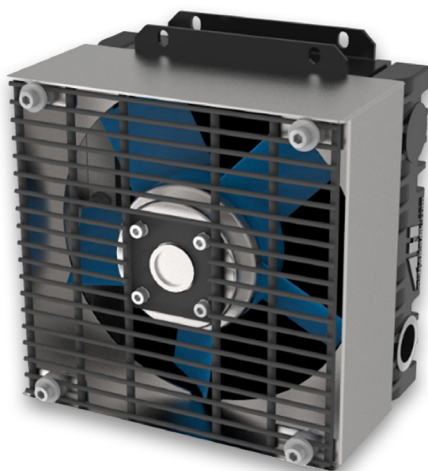
Specific cooling performance



Pressure drop at 30°C

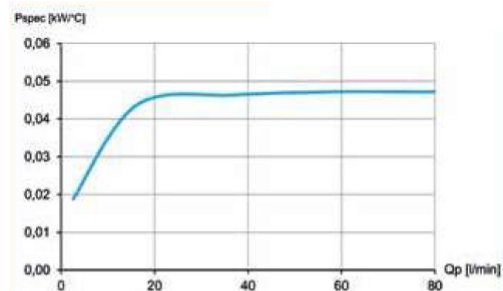


Options on page 310

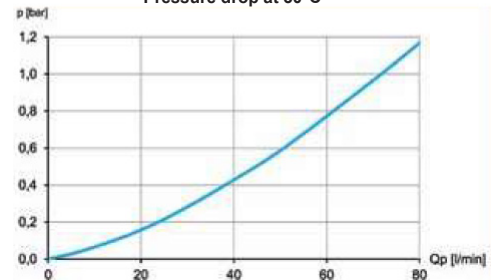


230v/400v AC

Specific cooling performance

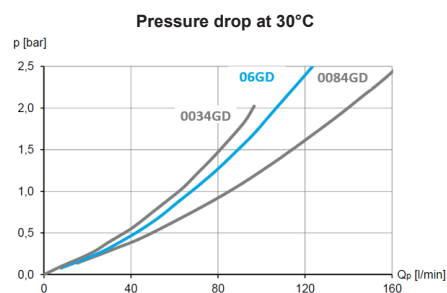
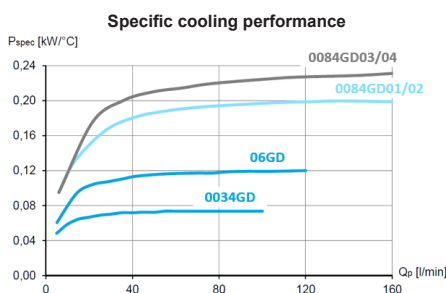


Pressure drop at 30°C



### Low Line Series DC

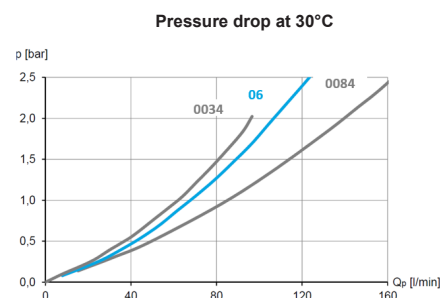
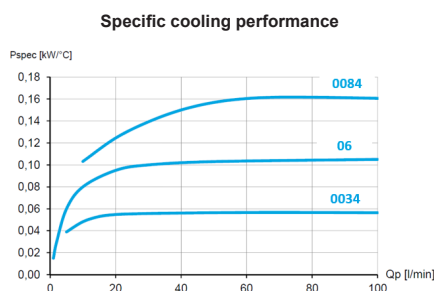
| Part #        | List Price \$ | Voltage | Current | Bypass   | Ports     | Max Pressure | Dimensions mm |     |     |
|---------------|---------------|---------|---------|----------|-----------|--------------|---------------|-----|-----|
|               |               |         |         |       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



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### Low Line Series AC Compact

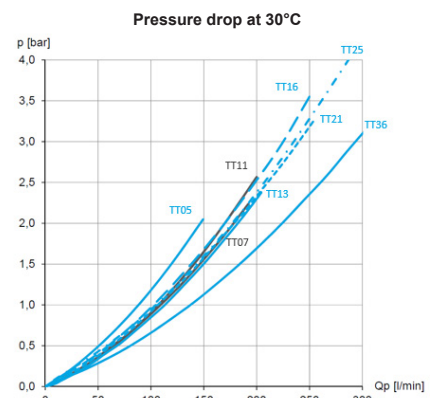
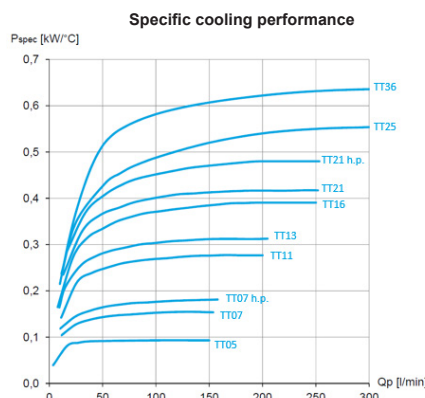
| Part #        | List Price \$ | Voltage | Current | Bypass   | Ports     | Max Pressure | Dimensions mm |     |     |
|---------------|---------------|---------|---------|----------|-----------|--------------|---------------|-----|-----|
|               |               |         |         |       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



### TT Rail Series - DC

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

\* 1 or 5 bar bypass available on request

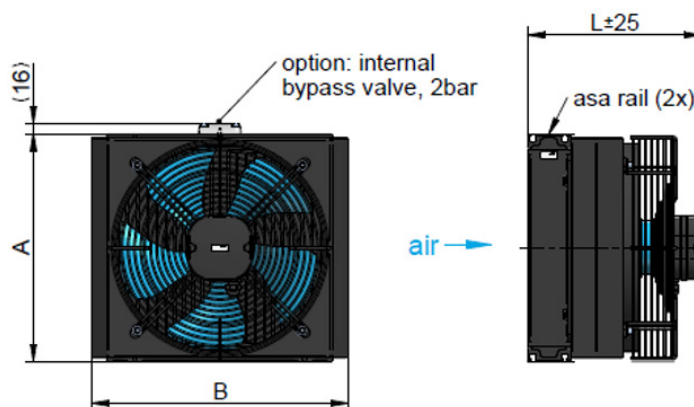


Must use with connector kits for ports - see page 307

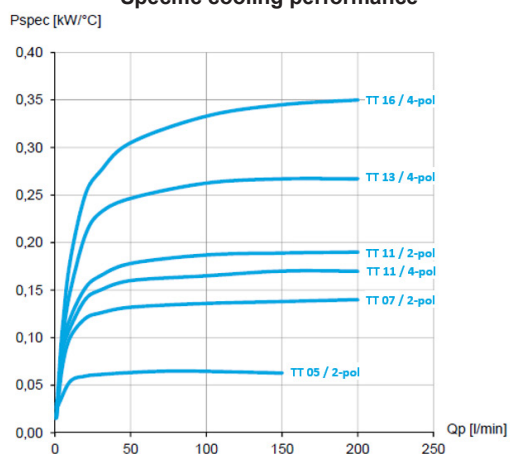
### TT Rail Series Compact - 240v AC (Motor included)

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

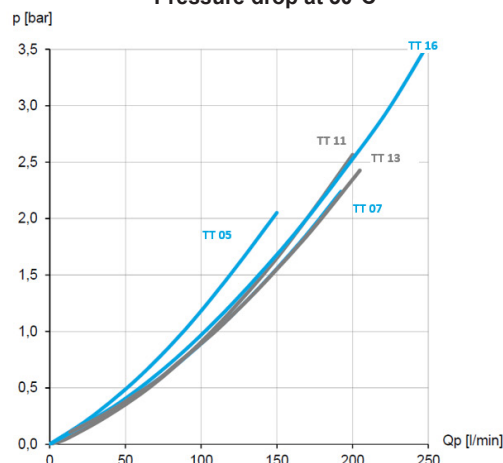
\* 1 or 5 bar bypass available on request



Specific cooling performance



Pressure drop at 30°C



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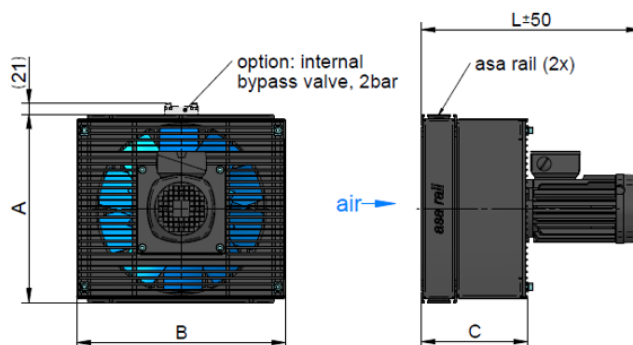


Must use with connector kits for ports - see page 307

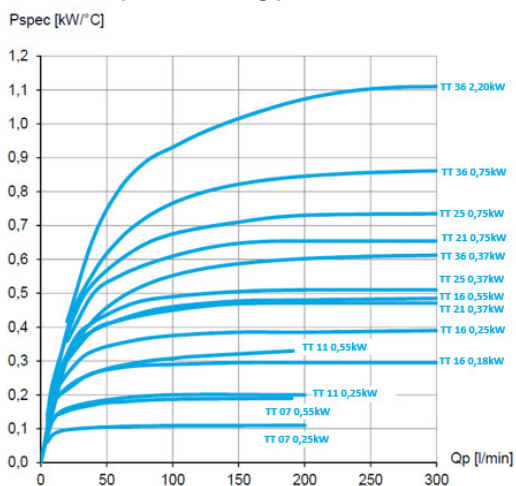
### TT Rail Series - 240v/415v AC (Motor not included)

| Part #          | List Price \$ | Motor Size                       | Bypass | Max Pressure | Dimensions mm |     |     |     |
|-----------------|---------------|----------------------------------|--------|--------------|---------------|-----|-----|-----|
|                 |               |                                  |        |              | A             | B   | C   | L   |
| ASATT07RA00NM   |               | 0.25kW 4P / 0.55kW 2P, D71 (B14) | n/a    | 26 Bar       | 300           | 320 | 193 | 396 |
| ASATT11RA00NM   |               | 0.25kW 4P / 0.55kW 2P, D71 (B14) | n/a    | 26 Bar       | 340           | 380 | 193 | 398 |
| ASATT16RA40NM   |               | 0.18kW 6P / 0.25kW 4P, D71 (B14) | n/a    | 26 Bar       | 465           | 462 | 219 | 414 |
| ASATT16RA20NM   |               | 0.55kW 2P, D71 (B14)             | n/a    | 26 Bar       | 465           | 462 | 219 | 414 |
| ASATT21RA00NM   |               | 0.37kW 6P / 0.75kW 4P, D80 (B14) | n/a    | 26 Bar       | 605           | 558 | 222 | 444 |
| ASATT25RA00NM   |               | 0.37kW 6P / 0.75kW 4P, D80 (B14) | n/a    | 26 Bar       | 605           | 558 | 219 | 440 |
| ASATTO7RA00BPNM |               | 0.25kW 4P / 0.55kW 2P, D71 (B14) | 2 bar* | 26 Bar       | 300           | 320 | 193 | 396 |
| ASATT11RA00BPNM |               | 0.25kW 4P / 0.55kW 2P, D71 (B14) | 2 bar* | 26 Bar       | 340           | 380 | 193 | 398 |
| ASATT16RA40BPNM |               | 0.18kW 6P / 0.25kW 4P, D71 (B14) | 2 bar* | 26 Bar       | 465           | 462 | 219 | 414 |
| ASATT16RA20BPNM |               | 0.55kW 2P, D71 (B14)             | 2 bar* | 26 Bar       | 465           | 462 | 219 | 414 |
| ASATT21RA00BPNM |               | 0.37kW 6P / 0.75kW 4P, D80 (B14) | 2 bar* | 26 Bar       | 605           | 558 | 222 | 444 |
| ASATT25RA00BPNM |               | 0.37kW 6P / 0.75kW 4P, D80 (B14) | 2 bar* | 26 Bar       | 605           | 558 | 219 | 440 |

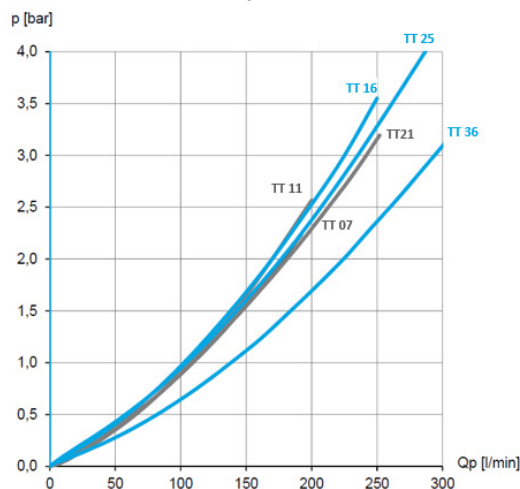
\* 1 or 5 bar bypass available on request



Specific cooling performance



Pressure drop at 30°C



Options on page 310

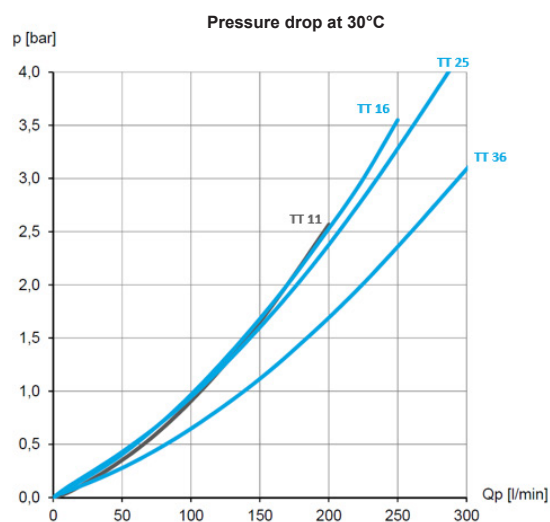
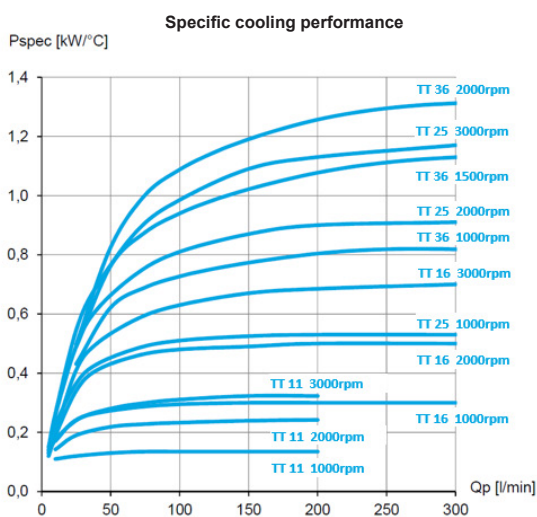
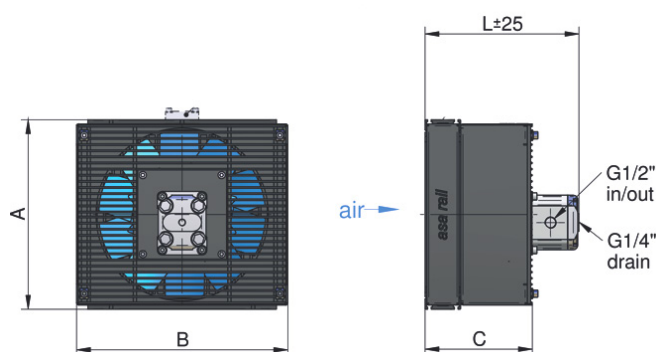


Must use with connector kits for ports - see page 307

### TT Rail Series - Hydraulic Drive

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

\* 1 or 5 bar bypass available on request



Options on page 310

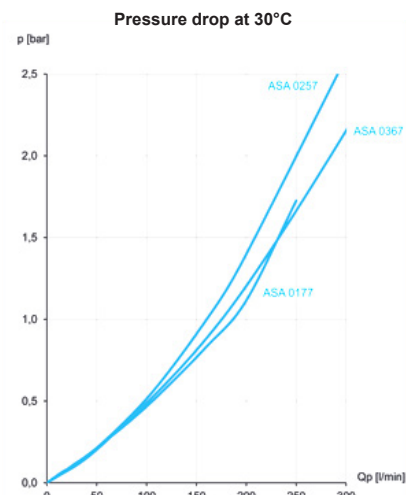
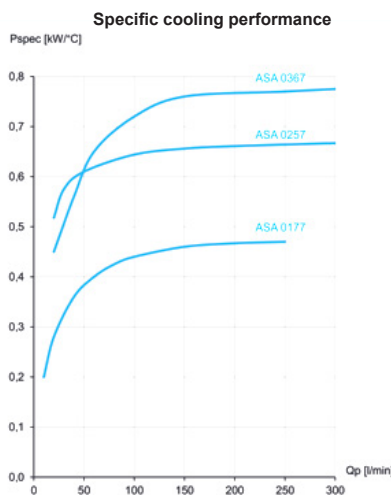
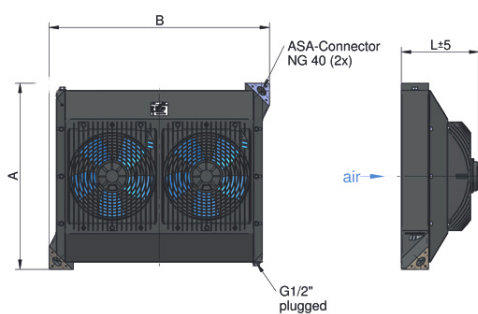


Must use with connector kits for ports - see page 307

### ASA Series - DC

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

\* 0.5 or 3.5 bar bypass available on request



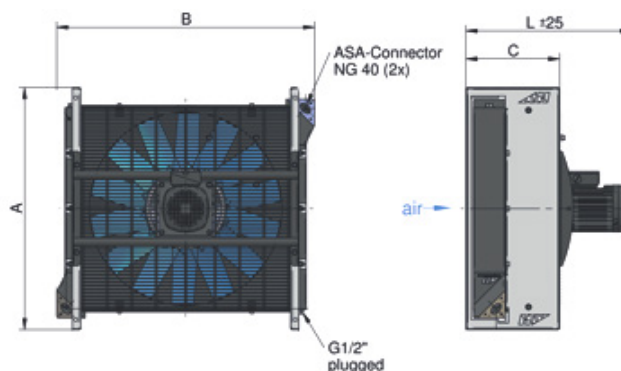
Options on page 310



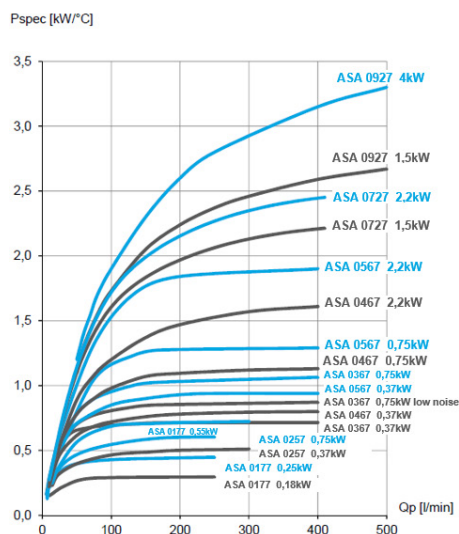
Must use with connector kits for ports - see page 307

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

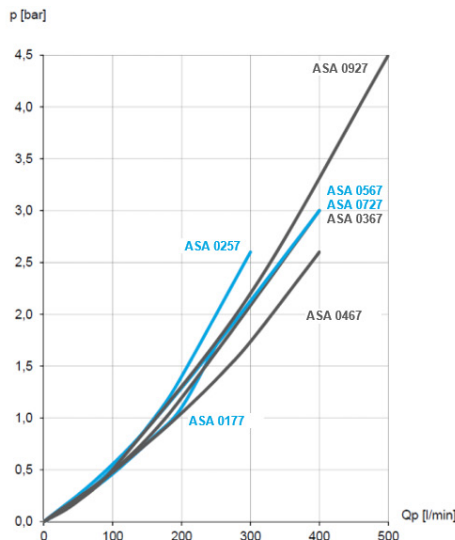
| Part #        | List Price \$ | Motor Size                       | Bypass | Dimensions mm |      |     |     |
|---------------|---------------|----------------------------------|--------|---------------|------|-----|-----|
|               |               |                                  |      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



Specific cooling performance



Pressure drop at 30°C



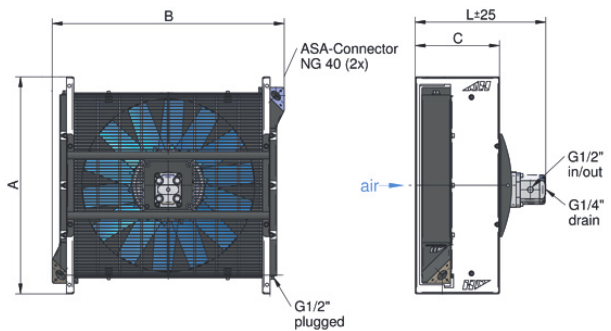
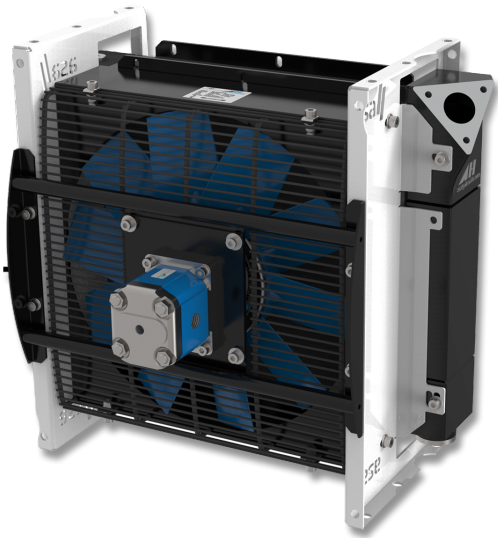
Options on page 310



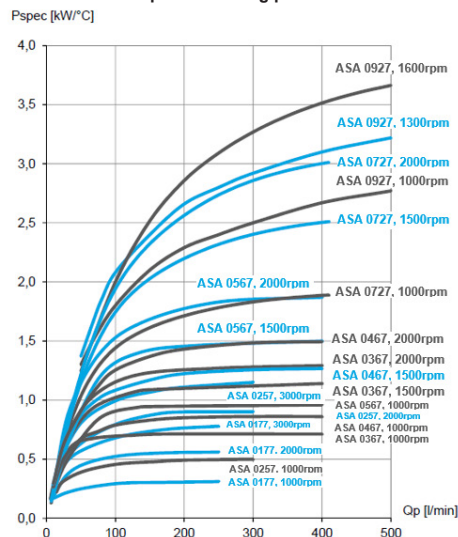
Must use with connector kits for ports - see page 307

### ASA Series - Hydraulic Drive

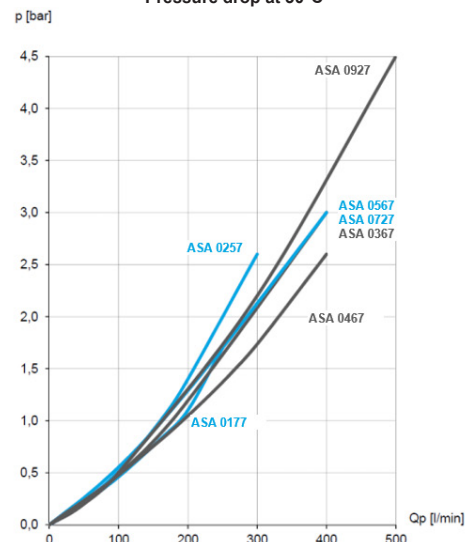
| Part #      | List Price \$ | Motor Size        | Bypass | Dimensions mm |      |     |
|-------------|---------------|-------------------|--------|---------------|------|-----|
|             |               |                   |        | A             | B    | L   |
| ASA0177AH11 |               |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



Specific cooling performance



Pressure drop at 30°C



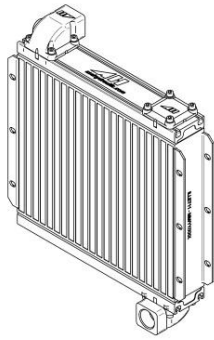
Options on page 310



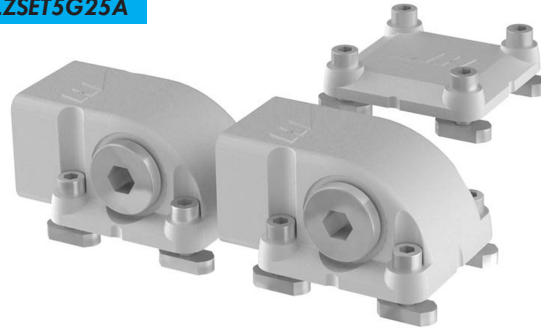
Must use with connector kits for ports - see page 307

### TT Series Connector Kit

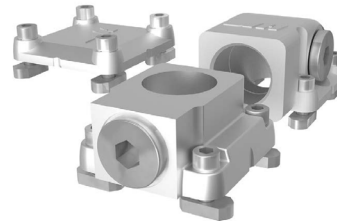
| Part #       | List Price \$ | Port Size   | Type                  |
|--------------|---------------|-------------|-----------------------|
| ILLZSET5G25  |               | 1" BSPP     | 2 x 90°               |
| ILLZSET5G32  |               | 1.1/4" BSPP | 2 x 90°               |
| ILLZSET5G25A |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



**ILLZSET5G25A**

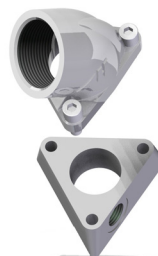


**ILLZSET5G25B**

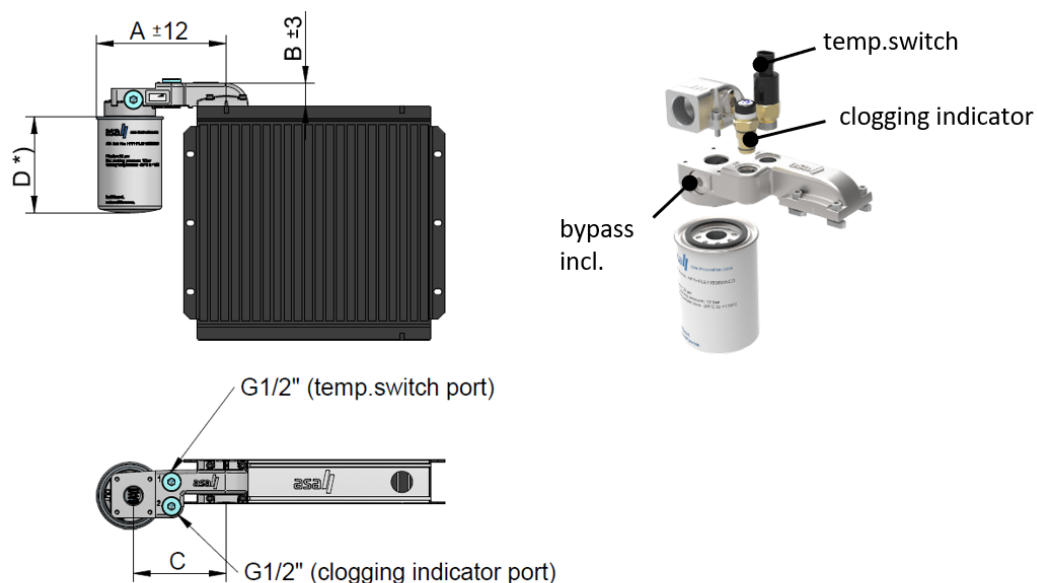


### ASA Series Connector Kit

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



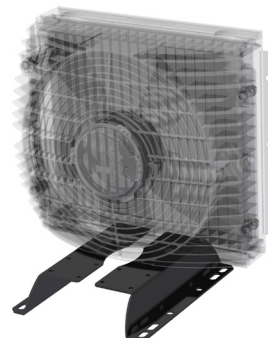
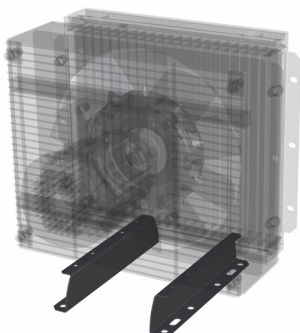
| Rail Filter Series |               |                   |          |        |                                      |               |    |     |     |
|--------------------|---------------|-------------------|----------|--------|--------------------------------------|---------------|----|-----|-----|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



Filter not included - see filters page 271

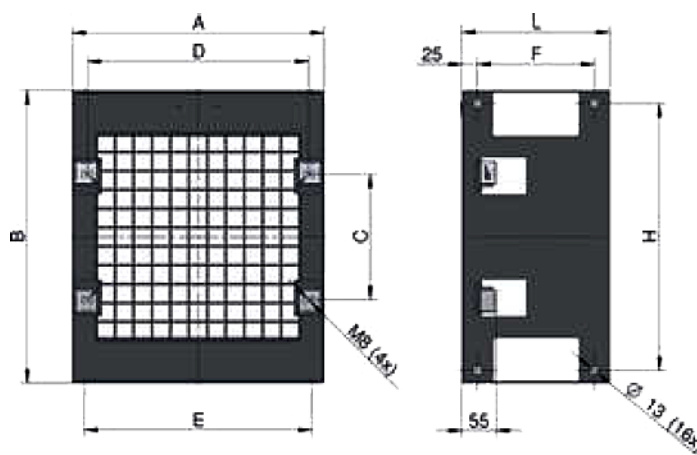
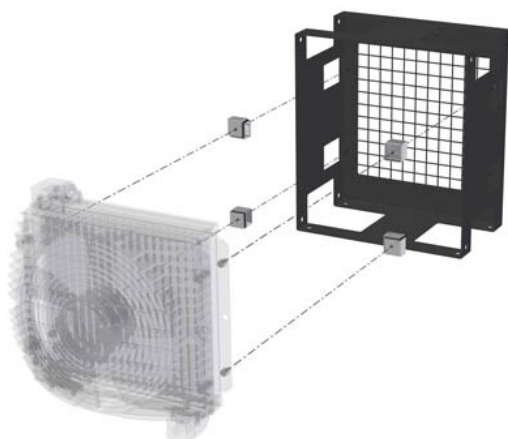
\*) depending on the make of the filter element

| Foot Mounting Kits |               |  |
|--------------------|---------------|--|
| Part #             | List Price \$ | Description  |
| ILLEFUSSTT06K      |               | Mounting feet set (fits TT06)                      |
| ILLEFUSSTTK        |               | Mounting feet set (fits TT07-TT36 Rail)            |
| ILLEFUSSTTHDK      |               | Heavy duty mounting feet set (fits TT07-TT36 Rail) |



### Protection Housings

| Part #        | List Price \$ | Description                      |
|---------------|---------------|----------------------------------|
| ILLEGAKTT07GT |               | Protection housing kit TT07 Rail |
| ILLEGAKTT11GT |               | Protection housing kit TT11 Rail |
| ILLEGAKTT16GT |               | Protection housing kit TT16 Rail |

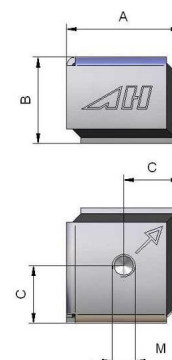


### Rubber Vibration Absorbers

| Part #         | List Price \$ | Material                           | Weight | M          | Dimensions mm |    |      |
|----------------|---------------|------------------------------------|--------|------------|---------------|----|------|
|                |               |                                    |        |            | A             | B  | C    |
| MDGQ403008IIK  |               | Zinc coated steel & natural rubber | 0.13   | M8 x 10    | 40            | 30 | 20   |
| MDGQ504510IIK  |               | Zinc coated steel & natural rubber | 0.28   | M10 x 12   | 50            | 45 | 25   |
| MDGQ755512IIK  |               | Zinc coated steel & natural rubber | 0.659  | M12 x 15   | 75            | 55 | 37.5 |
| MDGQ1007516IIK |               | 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 |               | 310w                | 21a (14, 7v DC) | IP67       | 0.25kg | 12v DC (9v-15v)  |
| ILLZTC24-2K |               | 340w                | 12a (24v DC)    | IP67       | 0.25kg | 24v DC (18v-32v) |



Energy saving

Reduced noise level

### 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:

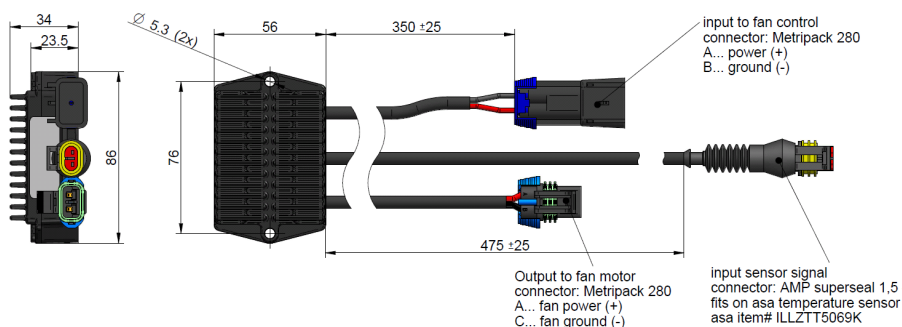
Fan rotation is controlled according to actual oil temperature from 45°C to 55°C (maximum fan speed reached).

#### 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 DC - for reversible fan drive

| Part #               | List Price \$ | Rated Power Supply | Max Operating Current | Protection | Weight | Supply    |
|----------------------|---------------|--------------------|-----------------------|------------|--------|-----------|
| <b>NEW</b> ILLZTCB00 |               | 7-40v              | 30 amp                | IP67       | 0.29kg | 12-24v DC |



#### Operating fan cycle for reverse fan drive:

Temperature setup: fan starts at 40°C, reached maximum speed at 60°C.

- thermal switch = ON
- delay = 30 secs
- 20 secs for accelerations in reverse direction
- fan reversal = 30 secs (max speed)
- 20 secs for deceleration
- delay = 10 secs
- 20 secs for acceleration in normal direction
- fan (forward) = 45 mins (fan speed depends on oil temperature)
- 20 secs for deceleration
- delay = 15 secs
- repeat steps c-j

### Technical Data

|                           |  |
|---------------------------|--|
| Material                  | Polyamide  |
| Mounting Instructions     | Any mounting position                                    |
| Temperature Sensor        | Requires ILLZTT5069K temperature sensor                  |
| Oil Temperature Range     | -20°C to +85°C   |
| Ambient Temperature Range | -40°C to +95°C   |
| Compatibility             | All ASA DC fan units w/ Metri Pack 280 connection system |

### Temperature Controller AC

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

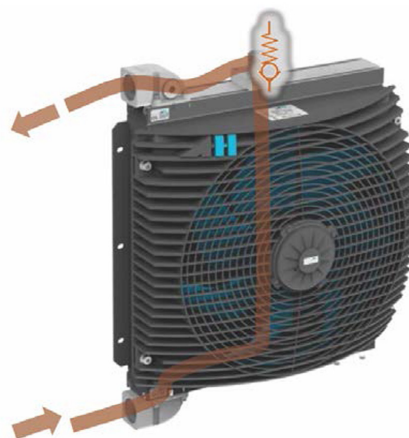
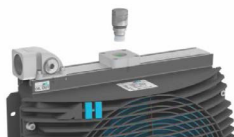
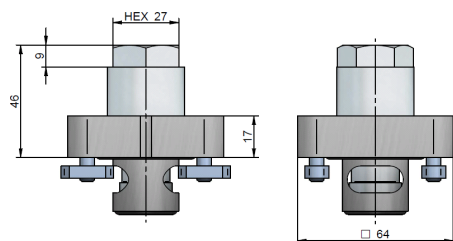
### Technical Data

|                           |                                  |
|---------------------------|----------------------------------|
| 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-TT36 Rail      |



### Temperature Bypass Valve (TT Series only)

| Part #       | List Price \$ | To suit           | Max Working Temp. | Relief Temp. | Closing Temp. | Max Pressure |
|--------------|---------------|-------------------|-------------------|--------------|---------------|--------------|
| ILLZBPT5022K |               | TT Rail TT07-TT13 | 80°C              | < 58°C       | 50-60°C       | 26 bar       |
| ILLZBPT5027K |               | TT Rail TT16-TT36 | 80°C              | < 58°C       | 50-60°C       | 26 bar       |



### Temperature Sensors

| Part #                 | List Price \$ | Description                 | Connection        | Protection | Weight |
|------------------------|---------------|-----------------------------|-------------------|------------|--------|
| ILLZTT5069K            |               | Temperature Sensor 1/2" BSP | AMP Superseal 1.5 | IP69K      | 0.09kg |
| <b>NEW</b> ILLZTT5067K |               | Temperature Sensor 1/2" BSP | Deutsch DT 06-2S  | IP67K      | 0.13kg |

### 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-TT36 Rail / ASA0177-0367 |



ILLZTT5069K



ILLZTT5067K



ILLZTH4765K



ILLZTH5069K

### Temperature Switches

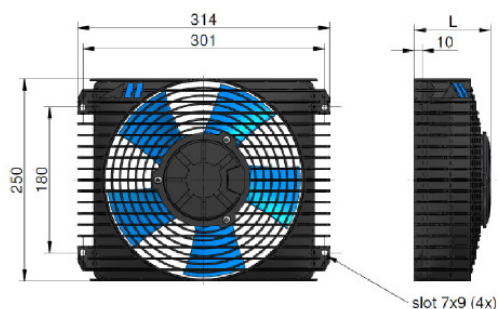
| Part #                 | List Price \$ | Connection        | Protection | Weight | Switch Temperature |
|------------------------|---------------|-------------------|------------|--------|--------------------|
| ILLZTH5069K            |               | AMP Superseal 1.5 | IP 69K     | 0.10kg | 50°C +/-5          |
| ILLZTH6069K            |               | AMP Superseal 1.5 | IP 69K     | 0.10kg | 60°C +/-5          |
| ILLZTH9069K            |               | AMP Superseal 1.5 | IP 69K     | 0.10kg | 90°C +/-5          |
| ILLZTH4765K            |               | ISO 4400          | IP 65      | 0.09kg | 50°C +/-5          |
| ILLZTH6065K            |               | ISO 4400          | IP 65      | 0.09kg | 60°C +/-5          |
| <b>NEW</b> ILLZTH7067K |               | Deutsch DT 06-2S  | IP 67      | 0.14kg | 70°C +/-5          |

### Technical Data

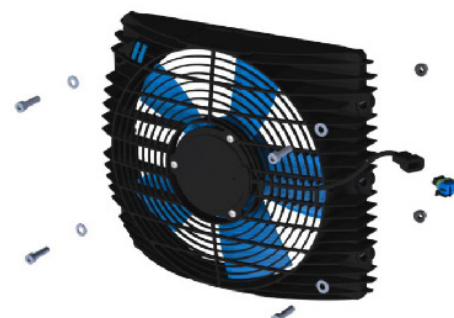
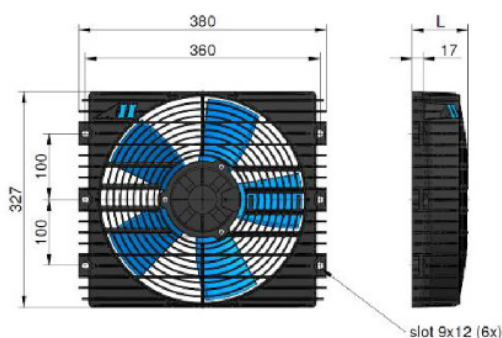
|                           |  |
|---------------------------|--|
| Screw Part Material       | Brass  |
| Mounting Instructions     | Any position   |
| Maximum Tightening Torque | 50 Nm  |
| Number of Cycles          | 100,000  |
| Counter Connector         | Included   |
| Contact                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

### ASA Fan Kits

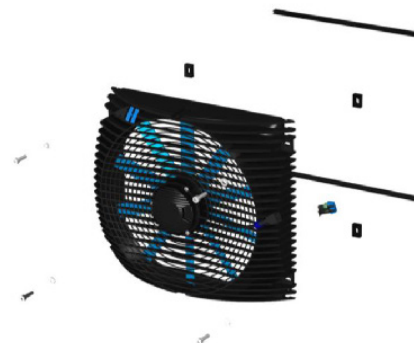
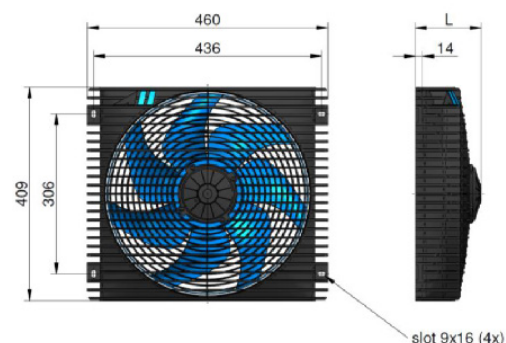
| Part #       | List Price \$ | Voltage | Current | Airflow | Fits Cooler  |
|--------------|---------------|---------|---------|---------|--|
| ILLELE1434A1 |               | 12v DC  | 5.4a    | Pull    | Low Line 0043G, 0053G  |
| ILLELE1434A2 |               | 24v DC  | 2.7a    | Pull    | Low Line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



Fan kit 0240



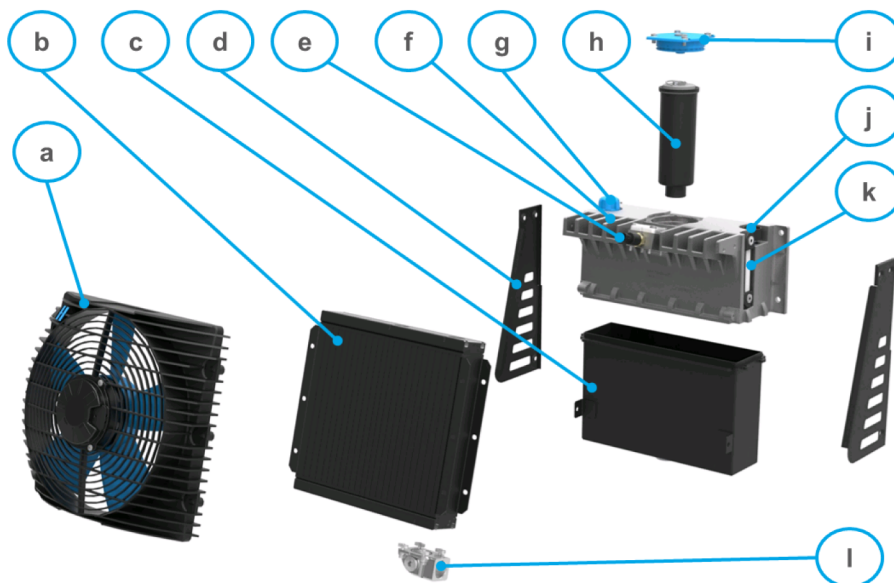
Fan kit 0295



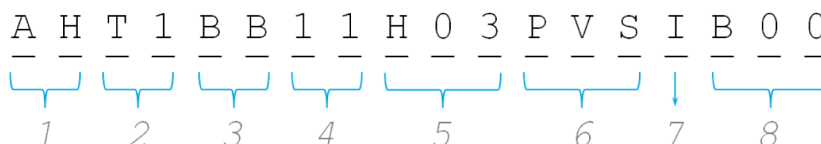
Fan kit 0385

### 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 | 3cm <sup>3</sup> 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 <sup>1)</sup> block 210bar (3040 PSI) & stainless steel housing  |
| PHS | tanker truck <sup>1)</sup> 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!

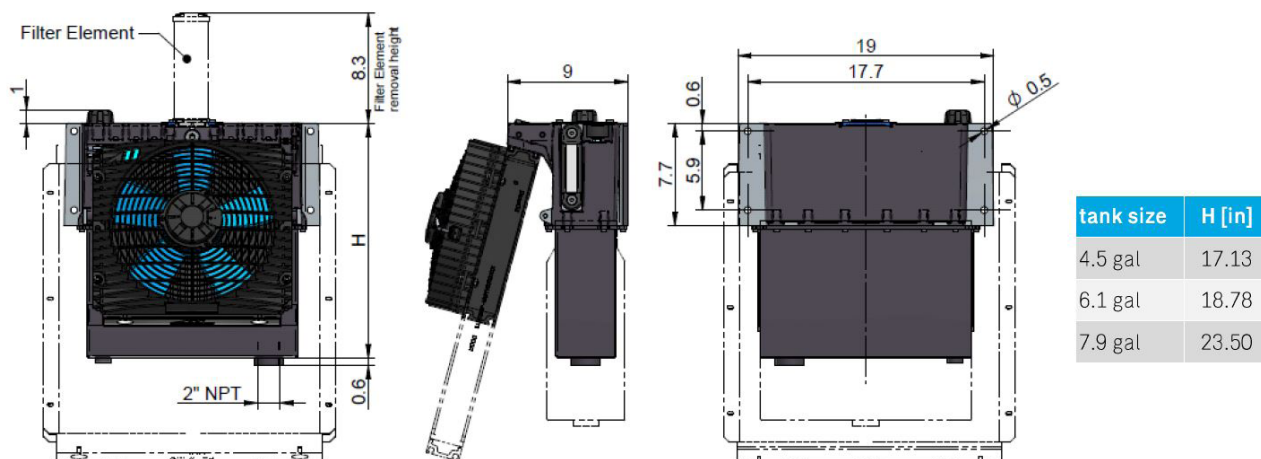
<sup>1)</sup>

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     |               | 4.5 gallon | 24v DC        | 16µm return filter* | TT16 Rail 2bar bypass | Temperature Control DC    | Optical            |
| AH R8 DO 16 D02 KTO I     |               | 7.9 gallon | 24v DC        | 16µm return filter* | TT16 Rail 2bar bypass |                           | Optical            |
| AH R5 DO 16 H03 PVS 000 I |               | 4.5 gallon | 3cc Hydraulic | 16µm return filter* | TT16 Rail 2bar bypass | Stainless Steel Housing** | Optical            |
| AH R8 DO 16 H03 PVS 000 I |               | 7.9 gallon | 3cc Hydraulic | 16µm return filter* | TT16 Rail 2bar bypass |                           | Optical            |

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

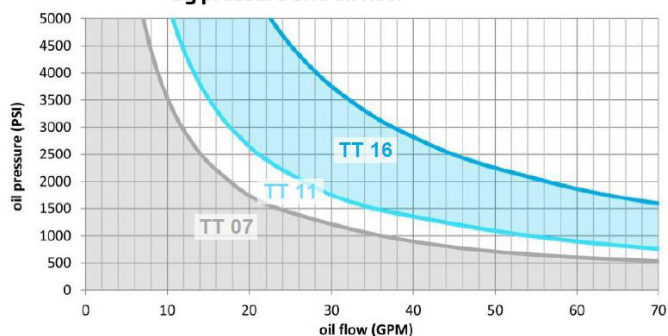


The actual performance output of the H-cube system is a combination of the cooler size (radiator core) and the type of fan drive. Choose the possible performances from the table below. The shown performance is the maximum possible specific cooling performance depending on the oil flow.

#### 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



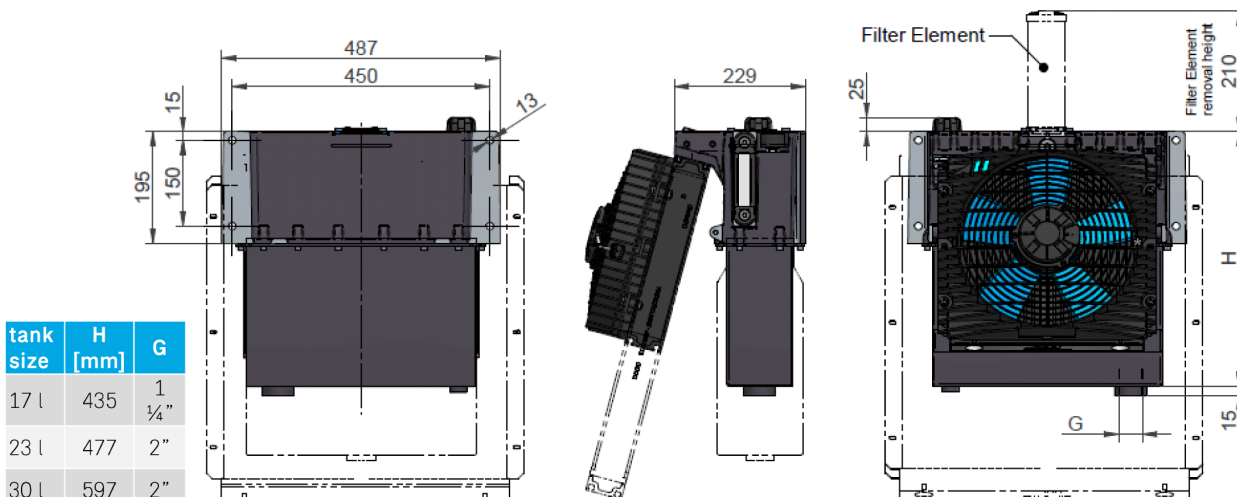
|                   |                         |
|-------------------|-------------------------|
| radiator material | brazed aluminium        |
| radiator air fin  | wavy                    |
| tank material     | steel                   |
| integration block | anodized cast aluminium |

|                                |  |
|--------------------------------|--|
| 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)

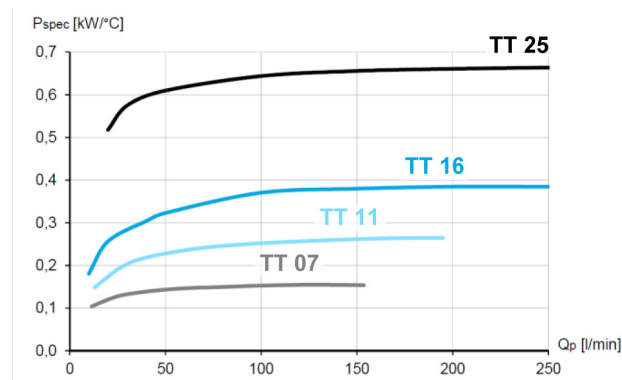
| Part #                | List Price \$ | Tank Size | Fan Drive | Filter              | Cooler Size           | Options                | Clogging Indicator |
|-----------------------|---------------|-----------|-----------|---------------------|-----------------------|------------------------|--------------------|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

\* 1.75 bar bypass

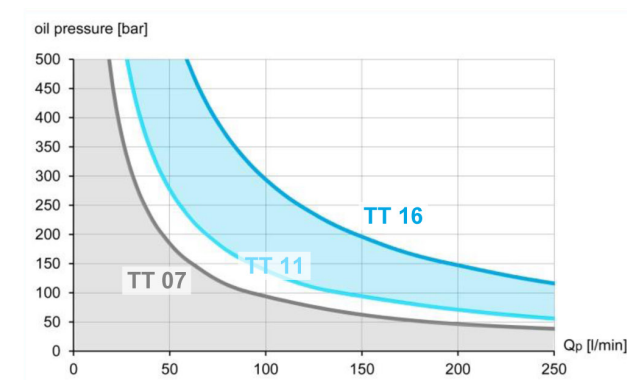


| tank size | H [mm] | G    |
|-----------|--------|------|
| 17 l      | 435    | 1 ¼" |
| 23 l      | 477    | 2"   |
| 30 l      | 597    | 2"   |

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



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

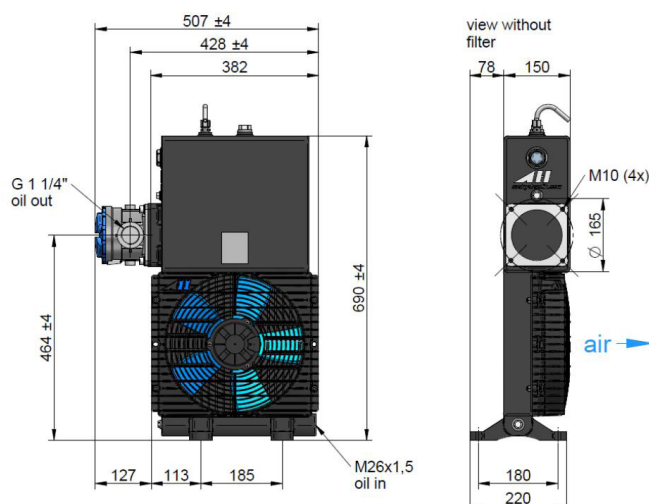
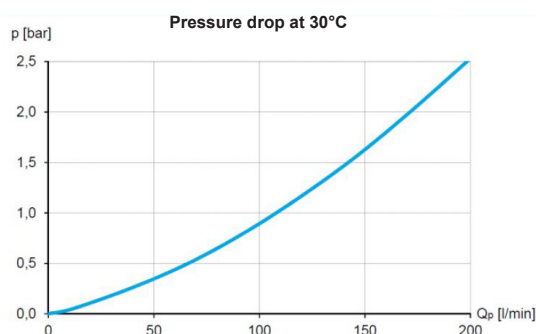
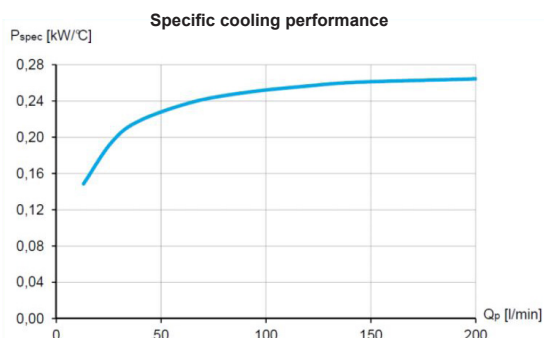


|                   |                  |
|-------------------|------------------|
| radiator material | brazed aluminium |
| radiator air fin  | wavy             |
| tank material     | steel            |
| integration block | cast aluminium   |

|                       |                                  |
|-----------------------|----------------------------------|
| 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              |

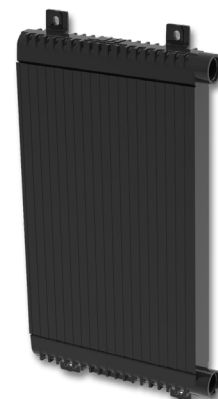
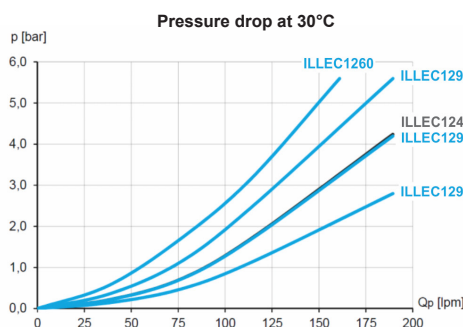
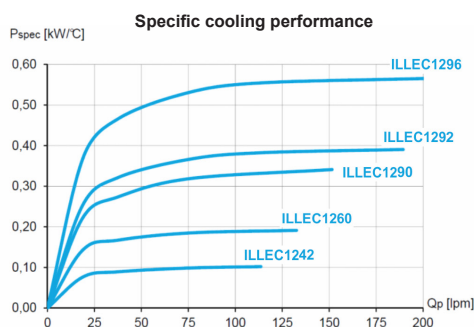
### Oil/Air Cooler with Integrated Suction Filter & Tanks

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



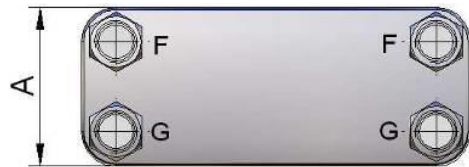
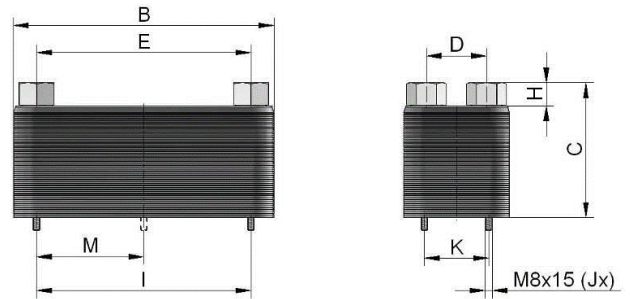
### 12 Series Radiator Cores

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

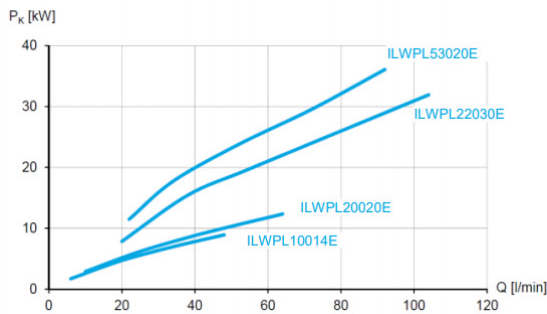


### Brazed Plate Heat Exchangers

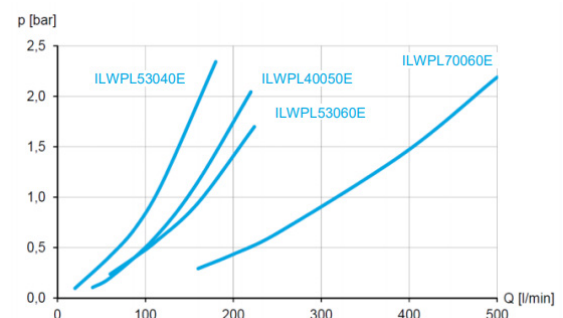
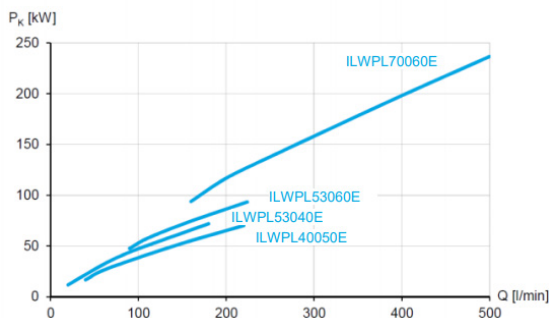
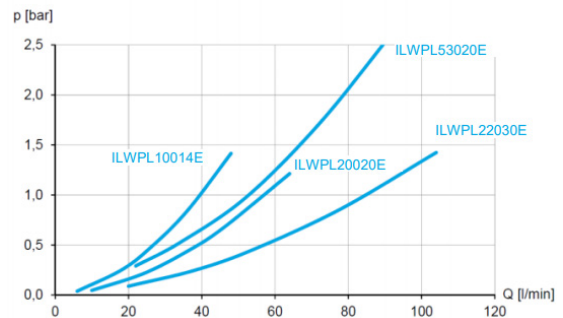
| Part #       | List Price \$ | Max Pressure | Ports F/G      | Dimensions mm |     |      |     |     |    |     |
|--------------|---------------|--------------|----------------|---------------|-----|------|-----|-----|----|-----|
|              |               |              |                | A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



Specific cooling performance



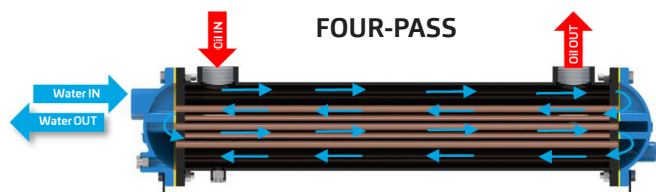
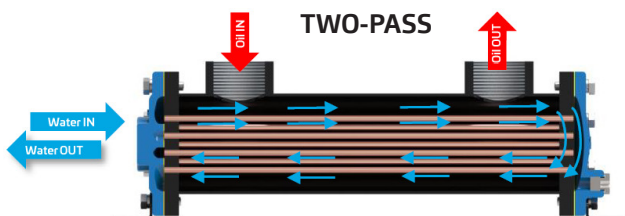
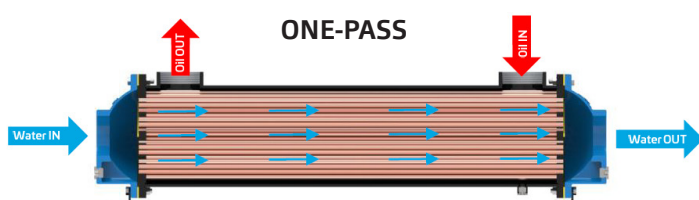
Pressure drop at 30°C





# SPECIAL RANGE ST SERIES SHELL TUBE HEAT EXCHANGER

COMING TO HYDRAULICS NETWORK IN 2022



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.

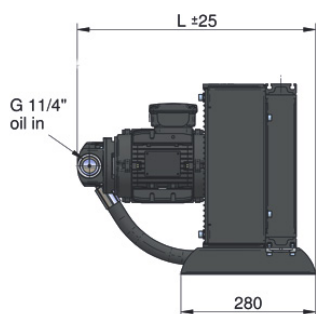
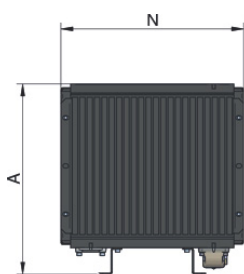
We supply one, two or four pass configurations as well as different material combinations. For raising efficiency we offer all these configurations with hybrid finned tube technology.

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 |               | 0.75kW 4P 415v | 10 bar       | 30 lpm | 355           | 320 | 493 |
| ASATT11RA47CC |               | 0.75kW 4P 415v | 10 bar       | 30 lpm | 395           | 380 | 495 |
| ASATT16RA47CC |               | 0.75kW 4P 415v | 10 bar       | 30 lpm | 520           | 460 | 511 |
| ASATT25RA47CC |               | 0.75kW 4P 415v | 7 bar        | 30 lpm | 660           | 558 | 511 |

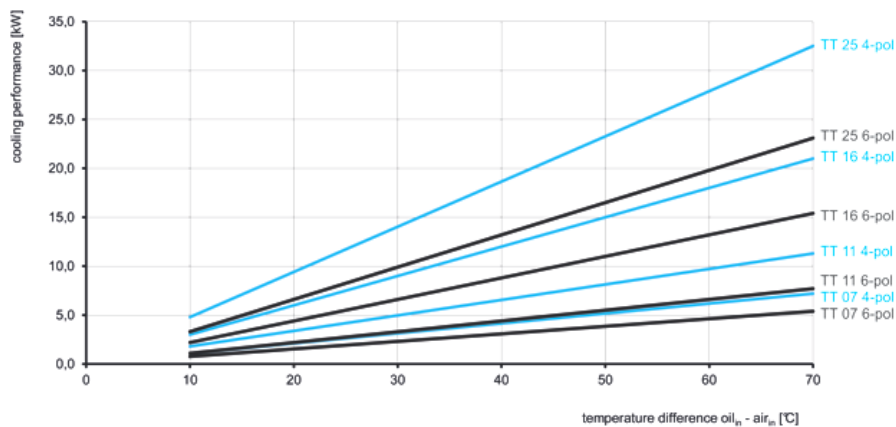


air →



Options on page 310

Larger sizes available on request



### Connector Kits

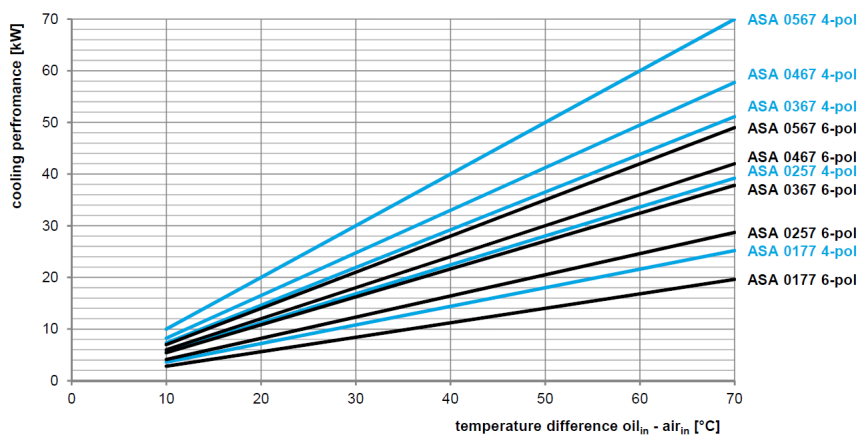
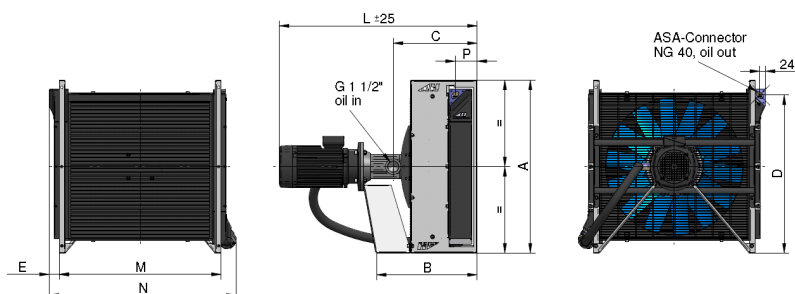
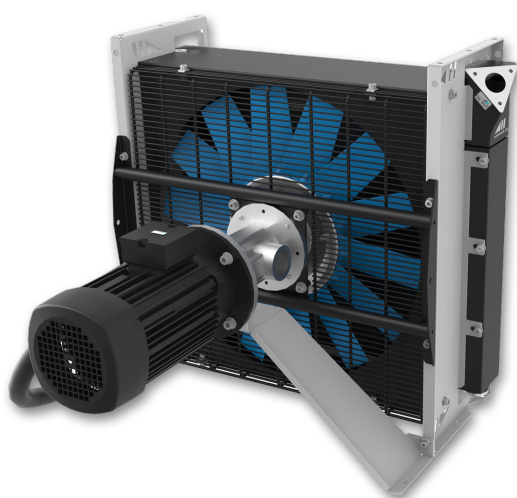
| Part #        | List Price \$ | Port Size | Type           |
|---------------|---------------|-----------|----------------|
| ILLZATT53G25K |               | 1" BSPP   | Rail connector |



Must use with connector kits for ports - see page 307

### CC Series - Offline - AC (Screw Pump)

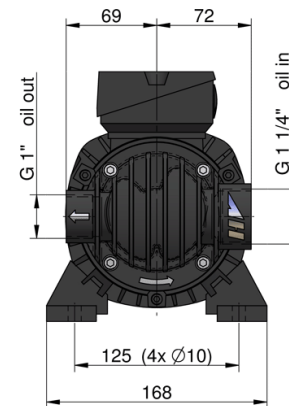
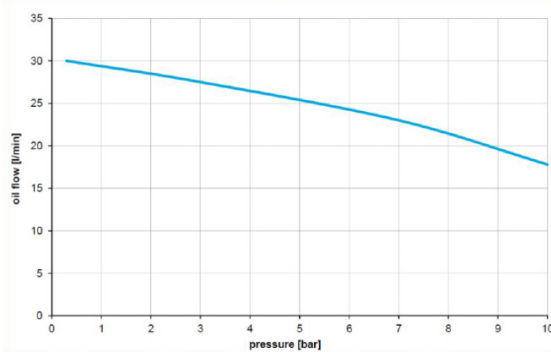
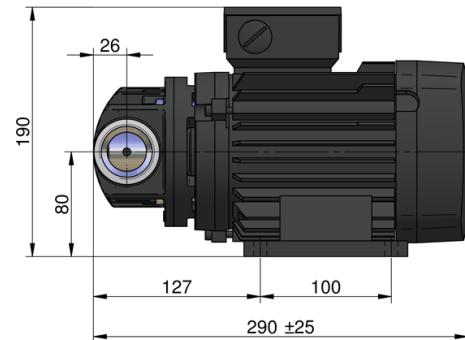
| Part #        | List Price \$ | Motor Power | Motor Current | Oil Flow | Max Pressure | Weight | Dimensions mm |     |     |     |
|---------------|---------------|-------------|---------------|----------|--------------|--------|---------------|-----|-----|-----|
|               |               |             |               |          |              |        | A             | B   | L   | N   |
| ASA0177AA49CC |               | 1.5 kW 4P   | 3.35a         | 60 lpm   | 10 bar       | 70.7   | 530           | 400 | 807 | 601 |
| ASA0257AA49CC |               | 1.5 kW 4P   | 3.35a         | 60 lpm   | 10 bar       | 80     | 635           | 410 | 817 | 701 |
| ASA0367AA49CC |               | 1.5 kW 4P   | 3.35a         | 60 lpm   | 8 bar        | 90.4   | 720           | 420 | 827 | 781 |
| ASA0467AA49CC |               | 1.5 kW 4P   | 3.35a         | 60 lpm   | 8 bar        | 107.7  | 785           | 420 | 837 | 856 |
| ASA0567AA49CC |               | 1.5 kW 4P   | 3.35a         | 60 lpm   | 8 bar        | 108.1  | 860           | 410 | 837 | 931 |
| ASA0177AA68CC |               | 0.75 kW 6P  | 1.95a         | 40 lpm   | 9 bar        | 66.7   | 530           | 400 | 807 | 601 |
| ASA0257AA68CC |               | 0.75 kW 6P  | 1.95a         | 40 lpm   | 9 bar        | 76     | 635           | 410 | 817 | 701 |
| ASA0367AA68CC |               | 0.75 kW 6P  | 1.95a         | 40 lpm   | 8 bar        | 86.4   | 720           | 420 | 827 | 781 |
| ASA0467AA68CC |               | 0.75 kW 6P  | 1.95a         | 40 lpm   | 8 bar        | 103.7  | 785           | 420 | 837 | 856 |
| ASA0567AA68CC |               | 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 307

### Gerotor Pump Unit - 415v

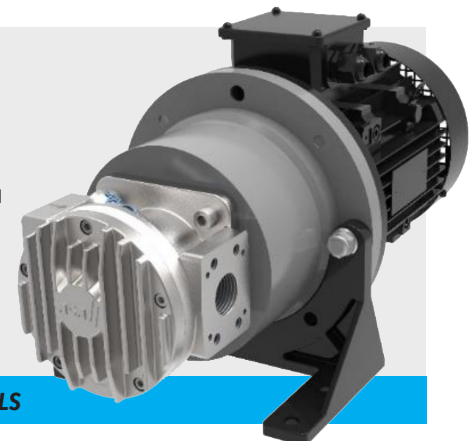
| Part #                   | HY0200758G              | HY0201108G |
|--------------------------|-------------------------|------------|
| List Price \$            |                         |            |
| Motor Power              | 0.75 kW                 | 1.10 kW    |
| Maximum Oil Viscosity    | 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.

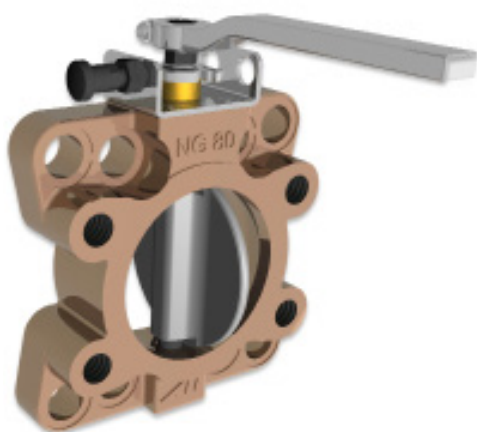


AVAILABLE ON REQUEST - CONTACT US FOR MORE DETAILS

### Suction Butterfly Valves

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

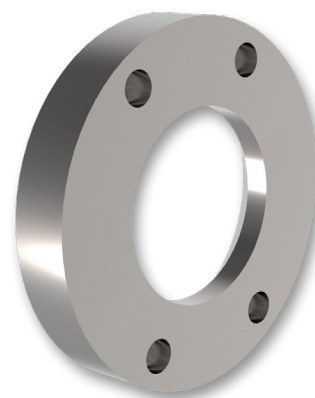
SDA Series (front)



SDA Series (back)

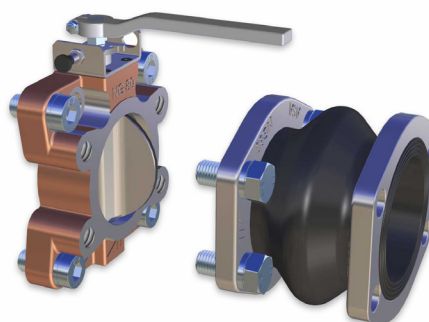
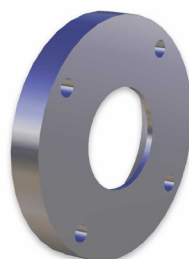
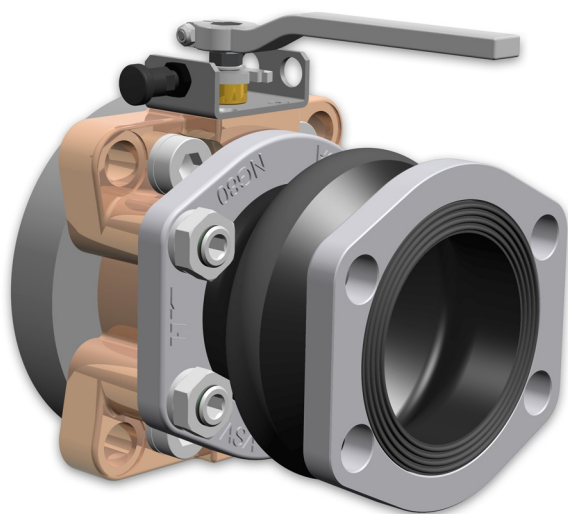


SDAET Series



### Adaptor Flange

| Part #    | List Price \$ | Description       | Material   |
|-----------|---------------|-------------------|------------|
| SDAET040K |               | Adaptor NG40      | ST37 Steel |
| SDAET063K |               | Adaptor NG50 & 63 | ST37 Steel |
| SDAET080K |               | Adaptor NG80      | ST37 Steel |
| SDAET100K |               | Adaptor NG100     | ST37 Steel |
| SDAET125K |               | Adaptor NG125     | ST37 Steel |



### Compensators - SAE

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

SAE Series



DIN Series

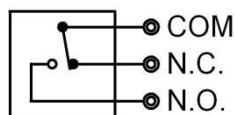
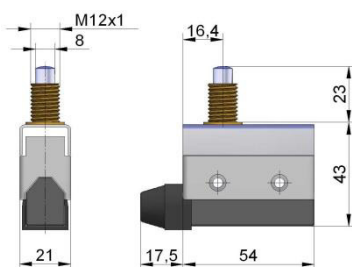


### Compensators - DIN

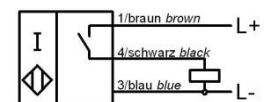
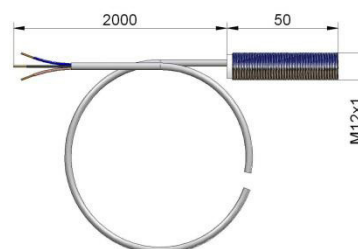
| Part #           | List Price \$ | Size  | Material     | Nominal Pressure |
|------------------|---------------|-------|--------------|------------------|
| SDKHDD6D60032N00 |               | NG32  | NBR/CR Steel | Up to 16 bar     |
| SDKHDD6D60040N00 |               | NG40  | NBR/CR Steel | Up to 16 bar     |
| SDKHDD6D60050N00 |               | NG50  | NBR/CR Steel | Up to 16 bar     |
| SDKHDD6D60065N00 |               | NG65  | NBR/CR Steel | Up to 16 bar     |
| SDKHDD6D60080N00 |               | NG80  | NBR/CR Steel | Up to 16 bar     |
| SDKHDD6D60100N00 |               | NG100 | NBR/CR Steel | Up to 16 bar     |
| SDKHDD6D60125N00 |               | NG125 | NBR/CR Steel | Up to 16 bar     |
| SDKHDD6D60200N00 |               | NG200 | NBR/CR Steel | Up to 16 bar     |
| SDKHDD6D60300N00 |               | NG300 | NBR/CR Steel | Up to 16 bar     |

### Limit Switches

| Part # | List Price \$ | Description             |
|--------|---------------|-------------------------|
| EAFSMK |               | Mechanical Limit Switch |
| EAFSIK |               | Inductive Limit Switch  |



EAFSMK



EAFSIK

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