

# Technical Standard Specification

**easichill**<sup>®</sup>

Series: **easichill 14**

Medium: **Water / Glycol 32 %**

Refrigerant: R 410A  
Refrigerant circuits: 1 circuit  
Power supply: 400V-50Hz

Rated input compressor: 4.3 kW  
Total rated input: 5.9 kW  
Total rated current: 11.0 A  
EER (Energy Efficiency Ratio) : 3.4

## Functional equipment

- Carel PCO microprocessor with LCD display
- Set value and actual value display
- Remote contact to terminal
- Fully hermetical scroll compressor
- Oil sump heating
- Draining device
- Protection grid for compressor fins
- Level monitoring
- High and low pressure controller acc. to DIN EN 378
- Anti-icing monitoring
- Flow monitoring



## General equipment

- Stainless steel tank, 30 liters, open system, completely insulated
- Optional with pressure tank, closed version also possible
- Self-supporting case of galvanized sheet panels
- Polyester powder coating
- Unit for indoor and outdoor placement
- Control cabinet IP 54

## Cooling

### Capacity

- 14 kW in relation to +10°C temperature to process at +35°C ambient temperature
- Temperature range to process: +6°C up to +20°C

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 7,500 m<sup>3</sup>/h
- Motor capacity in total: 0.29 kW
- Number of fans: 2 pieces
- Sound pressure level: 55 dB(A) in 1m free-field

## Pump

	<b>Standard</b>
Output rate (max.)	60 ltr/min
Pressure (max.)	4.0 bar
Motor capacity	1.1 kW

## Dimensions/weights/colours

Dimensions L/W/H: 1,100 mm x 750 mm x 1,100 mm (w/o conn.)  
Net weight: approx. 209 kg  
Colour: case: RAL 7035 light gray

## Connections

Circulating medium G1 AG

- Subject to technical changes; latest update: April 10, 2013 -

This technical specification represents the standard equipment. For non-standard specifications upon customer's request see our quotations or O/Cs. In case of contradictory information the quotation or O/C applies.

# Technical Standard Specification



Series: easichill 28

Medium: Water / Glycol 32 %

Refrigerant: R 410A  
Refrigerant circuits: 1 circuit  
Power supply: 400V-50Hz

Rated input compressor: 9.20 kW  
Total rated input: 11.79 kW  
Total rated current: 24.5 A  
EER (Energy Efficiency Ratio) : 3.1

## Functional equipment

- Carel PCO microprocessor with LCD display
- Set value and actual value display
- Remote contact to terminal
- Fully hermetical scroll compressor
- Oil sump heating
- Draining device
- Protection grid for compressor fins
- Level monitoring
- High and low pressure controller acc. to DIN EN 378
- Anti-icing monitoring
- Flow monitoring



## General equipment

- Stainless steel tank, 80 liters, open system, completely insulated
- Optional with pressure tank, closed version also possible
- Self-supporting case of galvanized sheet panels
- Polyester powder coating
- Unit for indoor and outdoor placement
- Control cabinet IP 54

## Cooling

- Capacity**
- 28.4 kW in relation to +10°C temperature to process at +35°C ambient temperature
  - Temperature range to process: +6°C up to +20°C

## Condenser

- Set-up**
- Air-cooled:
  - Air quantity: 10,200 m<sup>3</sup>/h
  - Motor capacity in total: 0.74 kW
  - Number of fans: 2 pieces
  - Sound pressure level: 62 dB(A) in 1m free-field

## Pump

	Standard
Output rate (max.)	80 ltr/min
Pressure (max.)	4.0 bar
Motor capacity	1.85 kW

## Dimensions/weights/colours

Dimensions L/W/H: 1,600 mm x 750 mm x 1,260 mm (w/o conn.)  
Net weight: approx. 295 kg  
Colour: case: RAL 7035 light gray

## Connections

Circulating medium G1 AG

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# Technical Standard Specification



Series: easichill 45

Medium: Water / Glycol 32 %

Refrigerant: R 410A  
Refrigerant circuits: 1 circuit  
Power supply: 400V-50Hz

Rated input compressor: 12.20 kW  
Total rated input: 15.56 kW  
Total rated current: 29.8 A  
EER (Energy Efficiency Ratio) : 3.7

## Functional equipment

- Carel PCO microprocessor with LCD display
- Set value and actual value display
- Remote contact to terminal
- Fully hermetical scroll compressor
- Oil sump heating
- Draining device
- Protection grid for compressor fins
- Level monitoring
- High and low pressure controller acc. to DIN EN 378
- Anti-icing monitoring
- Flow monitoring



## General equipment

- Stainless steel tank, 160 liters, open system, completely insulated
- Optional with pressure tank, closed version also possible
- Self-supporting case of galvanized sheet panels
- Polyester powder coating
- Unit for indoor and outdoor placement
- Control cabinet IP 54

## Cooling

### Capacity

- 45 kW in relation to +10°C temperature to process at +35°C ambient temperature
- Temperature range to process: +6°C up to +20°C

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 16,000 m<sup>3</sup>/h
- Motor capacity in total: 1.26 kW
- Number of fans: 2 pieces
- Sound pressure level: 62 dB(A) in 1m free-field

## Pump

	Standard
Output rate (max.)	160 ltr/min
Pressure (max.)	4.0 bar
Motor capacity	2.1 kW

## Dimensions/weights/colours

Dimensions L/W/H: 2,000 mm x 850 mm x 1,650 mm (w/o conn.)  
Net weight: approx. 420 kg  
Colour: case: RAL 7035 light gray

## Connections

Circulating medium DN 40

- Subject to technical changes; latest update: April 10, 2013 -

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# Technical Standard Specification

**easichill**<sup>®</sup>

Series: easichill **74**

Medium: Water / Glycol 32 %

Refrigerant: R 410A  
Refrigerant circuits: 2 circuits  
Power supply: 400V-50Hz

Rated input compressor: 20.30 kW  
Total rated input: 24.69 kW  
Total rated current: 50.0 A  
EER (Energy Efficiency Ratio) : 3.7

## Functional equipment

- Carel PCO microprocessor with LCD display
- Set value and actual value display
- Remote contact to terminal
- Fully hermetical scroll compressor
- Oil sump heating
- Draining device
- Protection grid for compressor fins
- Level monitoring
- High and low pressure controller acc. to DIN EN 378
- Anti-icing monitoring
- Flow monitoring



## General equipment

- Stainless steel tank, 160 liters, open system, completely insulated
- Optional with pressure tank, closed version also possible
- Self-supporting case of galvanized sheet panels
- Polyester powder coating
- Unit for indoor and outdoor placement
- Control cabinet IP 54

## Cooling

### Capacity

- 74.3 kW in relation to +10°C temperature to process at +35°C ambient temperature
- Temperature range to process: +6°C up to +20°C

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 21,300 m<sup>3</sup>/h
- Motor capacity in total: 1.89 kW
- Number of fans: 3 pieces
- Sound pressure level: 67 dB(A) in 1m free-field

## Pump

	Standard
Output rate (max.)	280 ltr/min
Pressure (max.)	4.0 bar
Motor capacity	2.50 kW

## Dimensions/weights/colours

Dimensions L/W/H: 2,130 mm x 1,100 mm x 1,760 mm  
Net weight: approx. 690 kg  
Colour: case: RAL 7035 light gray

## Connections

Circulating medium DN 50

- Subject to technical changes; latest update: April 10, 2013 -

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# Technical Standard Specification

**easichill**<sup>®</sup>

Series: **easichill 100**

Medium: **Water / Glycol 32 %**

Refrigerant: R 410A  
Refrigerant circuits: 1 circuit  
Power supply: 400V-50Hz

Rated input compressor: 34.40 kW  
Total rated input: 44.76 kW  
Total rated current: 77.0 A  
EER (Energy Efficiency Ratio) : 3.05

## Functional equipment

- Carel PCO microprocessor with LCD display
- Set value and actual value display
- Remote contact to terminal
- Fully hermetical scroll compressor
- Oil sump heating
- Draining device
- Protection grid for compressor fins
- Level monitoring
- High and low pressure controller acc. to DIN EN 378
- Anti-icing monitoring
- Flow monitoring



## General equipment

- Stainless steel tank, 400 liters, open system, completely insulated
- Optional with pressure tank, closed version also possible
- Self-supporting case of galvanized sheet panels
- Polyester powder coating
- Unit for indoor and outdoor placement
- Control cabinet IP 54

## Cooling

### Capacity

- 105 kW in relation to +10°C temperature to process at +35°C ambient temperature
- Temperature range to process: +6°C up to +20°C

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 24,600 m<sup>3</sup>/h
- Motor capacity in total: 4.96 kW
- Number of fans: 2 pieces
- Sound pressure level: 77 dB(A) in 1m free-field

## Pump

	<b>Standard</b>
Output rate (max.)	350 ltr/min
Pressure (max.)	4.0 bar
Motor capacity	5.50 kW

## Dimensions/weights/colours

Dimensions L/W/H: 2,660 mm x 1,370 mm x 2,420 mm (w/o conn.)  
Net weight: approx. 1,250 kg  
Colour: case: RAL 7035 light gray

## Connections

Circulating medium DN 65

- Subject to technical changes; latest update: April 10, 2013 -

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# Technical Standard Specification



Series: **easichill 140**

Medium: **Water / Glycol 32 %**

Refrigerant: R 410A  
Refrigerant circuits: 1 circuit  
Power supply: 400V-50Hz

Rated input compressor: 44.90 kW  
Total rated input: 57.36 kW  
Total rated current: 83.7 A  
EER (Energy Efficiency Ratio) : 3.15

## Functional equipment

- Carel PCO microprocessor with LCD display
- Set value and actual value display
- Remote contact to terminal
- Fully hermetical scroll compressor
- Oil sump heating
- Draining device
- Protection grid for compressor fins
- Level monitoring
- High and low pressure controller acc. to DIN EN 378
- Anti-icing monitoring
- Flow monitoring



## General equipment

- Stainless steel tank, 400 liters, open system, completely insulated
- Optional with pressure tank, closed version also possible
- Self-supporting case of galvanized sheet panels
- Polyester powder coating
- Unit for indoor and outdoor placement
- Control cabinet IP 54

## Cooling

### Capacity

- 141.5 kW in relation to +10°C temperature to process at +35°C ambient temperature
- Temperature range to process: +6°C up to +20°C

## Condenser

### Set-up

- Air-cooled:
- Air quantity: 54,120 m<sup>3</sup>/h
- Motor capacity in total: 4.96 kW
- Number of fans: 2 pieces
- Sound pressure level: 77 dB(A) in 1m free-field

## Pump

	<b>Standard</b>
Output rate (max.)	410 ltr/min
Pressure (max.)	4.0 bar
Motor capacity	7.50 kW

## Dimensions/weights/colours

Dimensions L/W/H: 2,660 mm x 1,370 mm x 2,420 mm (w/o conn.)  
Net weight: approx. 1,350 kg  
Colour: case: RAL 7035 light gray

## Connections

Circulating medium DN 65

- Subject to technical changes; latest update: April 10, 2013 -

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