

| Model       |         |                  |                      |
|-------------|---------|------------------|----------------------|
| Designation | HXK70AT | 220-240V/50Hz 1~ | Sales code: 16425000 |

Compressor design

|                            |                     |                       |                     |
|----------------------------|---------------------|-----------------------|---------------------|
| Oil type                   | Mineral             | Refrigerant(s)        | R600a               |
| Oil viscosity              | 5cST                | Displacement          | 6,64cm³ / 0,41cu.in |
| Oil quantity               | 162cm³ / 5,5fl.oz   | Compressors on pallet | 100                 |
| Refr. charge - tech. limit | 150g / 5,3oz        |                       |                     |
| Free gas volume comp.      | 1620cm³ / 54,8fl.oz |                       |                     |
| Weight                     | 8,2kg / 18,1lbs     |                       |                     |
| Motor protection           | external            |                       |                     |
| Winding resistance main    | 24,3Ω (at 25°C)     |                       |                     |
| Winding resistance aux     | 13,8Ω (at 25°C)     |                       |                     |
| Max. winding temp.         | 130°C / 266°F       |                       |                     |
| Max. discharge temp.       | 130°C / 266°F       |                       |                     |



General - Configurations with HXK70AT

|                        | Conf. 1                                                                  | Conf. 2       | Conf. 3       | Conf. 4       |
|------------------------|--------------------------------------------------------------------------|---------------|---------------|---------------|
| Motorconfiguration     | RSIR                                                                     | RSCR          | RSIR          | RSCR          |
| Power supply (nominal) | 200-240V/50Hz                                                            | 200-240V/50Hz | 220-240V/50Hz | 220-240V/50Hz |
| Number of phases       | 1                                                                        | 1             | 1             | 1             |
| Voltage range          | 170-264V                                                                 | 170-264V      | 170-264V      | 170-264V      |
| Approvals              | VDE                                                                      | VDE           | VDE           | VDE           |
| Starting torque        | LST                                                                      | LST           | LST           | LST           |
| Note                   | Various options of connectors are possible - please contact SECOP-Sales. |               |               |               |

Applications with HXK70AT

|                         | Conf. 1 | Conf. 2 | Conf. 3 | Conf. 4 |
|-------------------------|---------|---------|---------|---------|
| Refrigerant             | R600a   | R600a   | R600a   | R600a   |
| Application             | LBP     | LBP     | LBP     | LBP     |
| System cooling          | static  | static  | static  | static  |
| Hot gas defrost         | -/-     | -/-     | -/-     | -/-     |
| Long interval pull down | -/-     | -/-     | -/-     | -/-     |

Electrical data - Configurations with HXK70AT

|                                    | Conf. 1 | Conf. 2 | Conf. 3 | Conf. 4 |
|------------------------------------|---------|---------|---------|---------|
| Starting device type               | PTC     | PTC     | PTC     | PTC     |
| Run capacitor                      | -/-     | 4µF     | -/-     | 4µF     |
| Start capacitor                    | -/-     | -/-     | -/-     | -/-     |
| LRA (locked rotor amps / 4s/ U(N)) |         |         |         |         |
| RLA (rated load amps / 1s/ U(N))   | -/-A    | -/-A    | -/-A    | -/-A    |
| Cut in current (U(N))              |         |         |         |         |

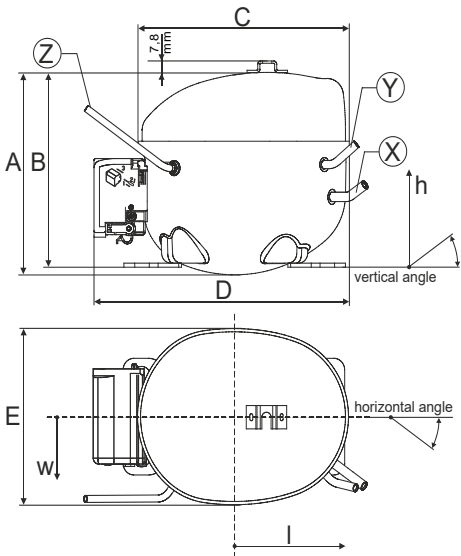
Model

|             |         |                  |             |          |
|-------------|---------|------------------|-------------|----------|
| Designation | HXK70AT | 220-240V/50Hz 1~ | Sales code: | 16425000 |
|-------------|---------|------------------|-------------|----------|

Compressor dimensions

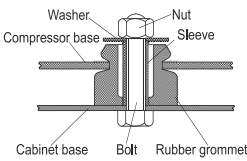
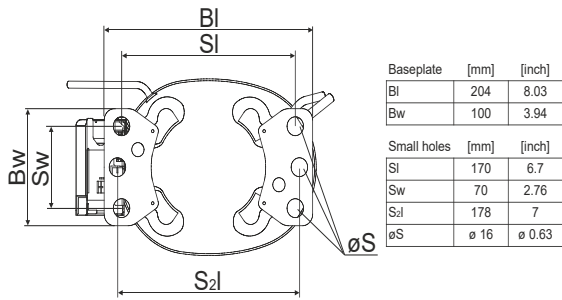
|         |                   |                |
|---------|-------------------|----------------|
| Housing | A Height          | 174mm / 6,85in |
|         | B Height          | 167mm / 6,57in |
|         | C Length shell    | 194mm / 7,64in |
|         | D Length w. cover | 238mm / 9,37in |
|         | E Width           | 151mm / 5,94in |

| Connectors                 | Suction<br>X     | Discharge<br>Y | Process<br>Z |
|----------------------------|------------------|----------------|--------------|
| Diameter [mm]              | øi 6,1-6,2       | øi 5,1-5,2     | øo 5,92-6,08 |
| (i:inside, o:outside) [in] | øi 0,24-0,24     | øi 0,2-0,2     | øo 0,23-0,24 |
| Material                   | copper           | copper         | copper       |
| Horizontal angle           | ±2° 45°          | 13°            | 0°           |
| Vertical angle             | ±2° 30°          | 40°            | 145°         |
| Position l/h/w             | [mm] 120/72/62   | 112/106/62     | -140/136/70  |
|                            | [in] 4,7/2,8/2,4 | 4,4/4,2/2,4    | -5,5/5,4/2,8 |
| Straight tube l.           | [mm] 14          | 14             | 75           |
|                            | [in] 0,5         | 0,5            | 3            |

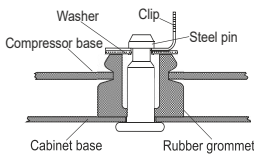


Compressor fixation

Bolt joint



Snap-on



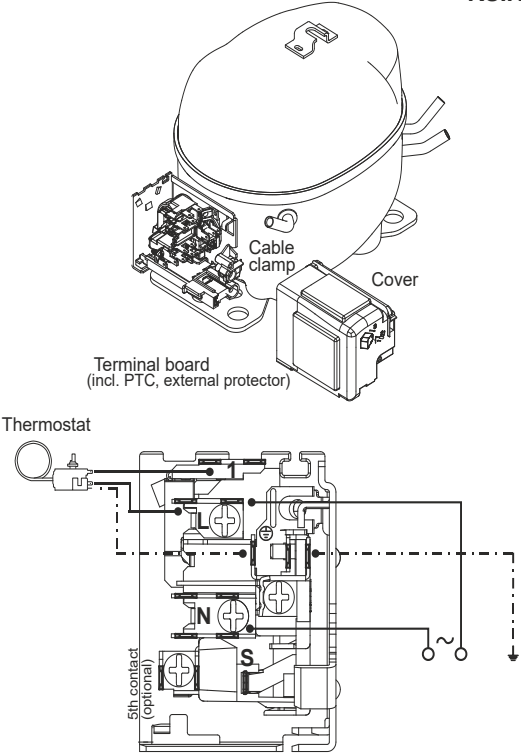
Mounting accessories

|                                             |                     |
|---------------------------------------------|---------------------|
| '4ZN' with rubber grommet                   | 772N                |
| '4ZN' with rubber grommet and sleeve for M6 | 768N                |
| Bolt joint kit                              | 4ZN + 118-1917 (18) |
| '4ZN' with Snap on kit                      | 776N                |

Application notes

Provision for PE Grounding is located at the PE Stamp on the compressor Housing with dip-tray fixture (omega bracket).  
Various options of connectors are possible - please contact SECOP-Sales.

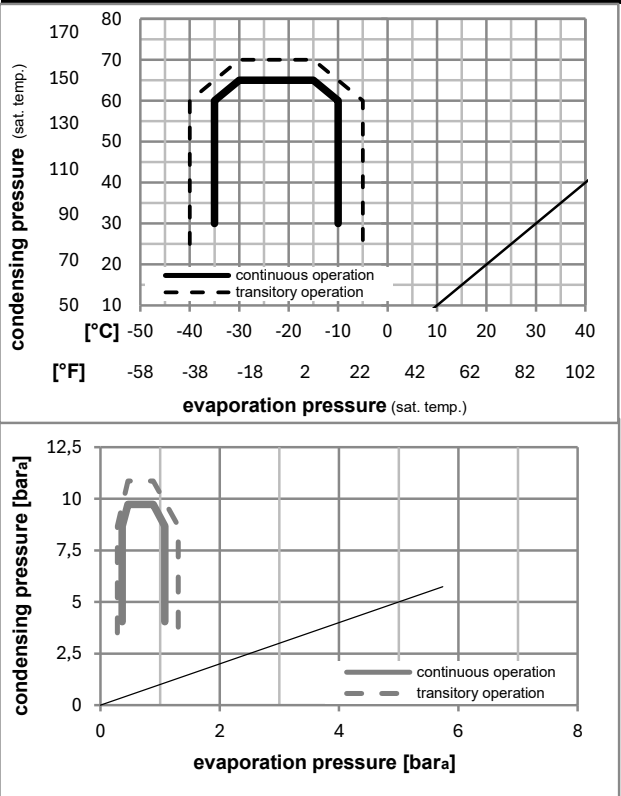
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|-------------|---------|---------------|---------|----------------------|
| Model       |         |               |         |                      |
| Designation | HXK70AT | 200-240V/50Hz | Conf. 1 | Sales code: 16425000 |

| Configuration          | Electrical accessories / wiring diagram |                                                                                     |  |  |
|------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|--|--|
| Motorconfiguration     | RSIR                                    |  |  |  |
| Power supply (nominal) | 200-240V/50Hz 1~                        |                                                                                     |  |  |
| Refrigerant            | R600a                                   |                                                                                     |  |  |
| Application            | LBP                                     |                                                                                     |  |  |
| Voltage range          | 170-264V                                |                                                                                     |  |  |
| Starting torque        | LST                                     |                                                                                     |  |  |
| Approvals              | VDE                                     |                                                                                     |  |  |

Ambient/ machine room temperatures minimum /maximum

|                                 |                        |
|---------------------------------|------------------------|
| Ambient temperature range:      | 10 - 43°C / 50 - 110°F |
| Machine room temperature range: | 10 - 48°C / 50 - 119°F |
| Compressor cooling:             | static                 |

Operation pressure range



|                               |          |  |
|-------------------------------|----------|--|
| Components                    |          |  |
| . terminal board (PTC, 6.3mm) | 15279300 |  |
| b cover terminal board        | 10636401 |  |
| . cable clamp                 | 11341000 |  |
| . screw - uni6954             | 10636000 |  |
| . screw - uni6954             | 10636200 |  |
| . screw uni en iso 4757       | 10641201 |  |

|             |         |  |  |               |  |  |         |  |  |             |          |  |
|-------------|---------|--|--|---------------|--|--|---------|--|--|-------------|----------|--|
| Model       |         |  |  |               |  |  |         |  |  |             |          |  |
| Designation | HXK70AT |  |  | 200-240V/50Hz |  |  | Conf. 1 |  |  | Sales code: | 16425000 |  |

Optimization + standard conditions

R600a, 200V/50Hz, RSIR, static, VDE

| <div>Evaporating pressure (saturation temperature)</div> <div>Condensing pressure (saturation temperature)</div> <div>Return gas temp.</div> <div>Liquid temp.</div> <div>Cooling capacity</div> <div>COP</div> <div>EER</div> <div>Power consumption</div> <div>P1</div> <div>Current consumption</div> <div>Ref. mass flow</div> |     |     |     |      |       |         |          |       |          |           |      |      |        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|------|-------|---------|----------|-------|----------|-----------|------|------|--------|-------------|
|                                                                                                                                                                                                                                                                                                                                    | pe  | pc  | RGT | Tliq | [W]   | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]  | [A]  | [kg/h] |             |
| [°C]                                                                                                                                                                                                                                                                                                                               | -23 | 54  | 32  | 32   | 118,3 | 404     | 101,8    | 1,64  | 5,59     | 1,41      | 72,2 | 0,36 | 1,27   | ASHRAE LBP  |
| [°F]                                                                                                                                                                                                                                                                                                                               | -10 | 130 | 90  | 90   |       |         |          |       |          |           |      |      |        |             |
|                                                                                                                                                                                                                                                                                                                                    |     |     |     |      |       |         |          |       |          |           |      |      |        |             |
| [°C]                                                                                                                                                                                                                                                                                                                               | -25 | 55  | 32  | 55   | 88,5  | 302     | 76,2     | 1,28  | 4,37     | 1,10      | 69,2 | 0,34 | 1,16   | cecomaf LBP |
| [°F]                                                                                                                                                                                                                                                                                                                               | -13 | 131 | 90  | 131  |       |         |          |       |          |           |      |      |        |             |
|                                                                                                                                                                                                                                                                                                                                    |     |     |     |      |       |         |          |       |          |           |      |      |        |             |
| [°C]                                                                                                                                                                                                                                                                                                                               | -35 | 40  | 20  | 40   | 66,4  | 227     | 57,1     | 1,29  | 4,39     | 1,11      | 51,6 | 0,26 | 0,81   | EN12900 LBP |
| [°F]                                                                                                                                                                                                                                                                                                                               | -31 | 104 | 68  | 104  |       |         |          |       |          |           |      |      |        |             |
|                                                                                                                                                                                                                                                                                                                                    |     |     |     |      |       |         |          |       |          |           |      |      |        |             |
| [°C]                                                                                                                                                                                                                                                                                                                               | -23 | 49  | 4,4 | 49   | 96,7  | 330     | 83,2     | 1,37  | 4,67     | 1,18      | 70,7 | 0,35 | 1,41   | ARI540 LBP  |
| [°F]                                                                                                                                                                                                                                                                                                                               | -10 | 120 | 40  | 120  |       |         |          |       |          |           |      |      |        |             |
|                                                                                                                                                                                                                                                                                                                                    |     |     |     |      |       |         |          |       |          |           |      |      |        |             |
| [°C]                                                                                                                                                                                                                                                                                                                               | -23 | 41  | 32  | 32   | 125,9 | 430     | 108,3    | 1,87  | 6,39     | 1,61      | 67,2 | 0,34 | 1,35   | AHAM LBP    |
| [°F]                                                                                                                                                                                                                                                                                                                               | -10 | 105 | 90  | 90   |       |         |          |       |          |           |      |      |        |             |
|                                                                                                                                                                                                                                                                                                                                    |     |     |     |      |       |         |          |       |          |           |      |      |        |             |
| [°C]                                                                                                                                                                                                                                                                                                                               | -35 | 45  | 32  | 45   | 64,4  | 220     | 55,4     | 1,23  | 4,22     | 1,06      | 52,2 | 0,26 | 0,76   | opt         |
| [°F]                                                                                                                                                                                                                                                                                                                               | -31 | 113 | 90  | 113  |       |         |          |       |          |           |      |      |        |             |

Performance tables

R600a, 200V/50Hz, RSIR, static, VDE

|                  | pe   |      | Cooling capacity |         |          | COP   | EER      |           | P1   | I    | m      |
|------------------|------|------|------------------|---------|----------|-------|----------|-----------|------|------|--------|
|                  | [°C] | [°F] | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]  | [A]  | [kg/h] |
| [°C / °F]        | -35  | -31  | 64,4             | 220     | 55,4     | 1,23  | 4,22     | 1,06      | 52,2 | 0,26 | 0,76   |
| cond. pressure   | -30  | -22  | 80,9             | 276     | 69,6     | 1,36  | 4,66     | 1,17      | 59,3 | 0,30 | 0,96   |
| pc= 45/113       | -25  | -13  | 103,3            | 353     | 88,9     | 1,55  | 5,29     | 1,33      | 66,7 | 0,33 | 1,23   |
| return gas temp. | -23  | -10  | 112,3            | 384     | 96,6     | 1,62  | 5,54     | 1,40      | 69,2 | 0,34 | 1,34   |
| RGT= 32/90       | -20  | -4   | 131,8            | 450     | 113,4    | 1,77  | 6,06     | 1,53      | 74,3 | 0,37 | 1,57   |
| liquid temp      | -15  | 5    | 166,5            | 569     | 143,3    | 2,03  | 6,93     | 1,75      | 82,0 | 0,40 | 1,99   |
| Tliq= 45/113     | -10  | 14   | 207,6            | 709     | 178,6    | 2,31  | 7,89     | 1,99      | 89,8 | 0,43 | 2,48   |
| [°C / °F]        | -35  | -31  | 48,1             | 164     | 41,4     | 0,95  | 3,24     | 0,82      | 50,7 | 0,26 | 0,63   |
| cond. pressure   | -30  | -22  | 66,2             | 226     | 57,0     | 1,11  | 3,78     | 0,95      | 59,9 | 0,30 | 0,86   |
| pc= 55/131       | -25  | -13  | 88,5             | 302     | 76,2     | 1,28  | 4,37     | 1,10      | 69,2 | 0,34 | 1,16   |
| return gas temp  | -23  | -10  | 97,1             | 332     | 83,6     | 1,34  | 4,58     | 1,15      | 72,4 | 0,36 | 1,27   |
| RGT= 32/90       | -20  | -4   | 115,1            | 393     | 99,0     | 1,46  | 5,00     | 1,26      | 78,6 | 0,38 | 1,50   |
| liquid temp      | -15  | 5    | 146,0            | 498     | 125,6    | 1,66  | 5,67     | 1,43      | 88,0 | 0,43 | 1,91   |
| Tliq= 55/131     | -10  | 14   | 181,3            | 619     | 156,0    | 1,86  | 6,37     | 1,60      | 97,2 | 0,47 | 2,38   |

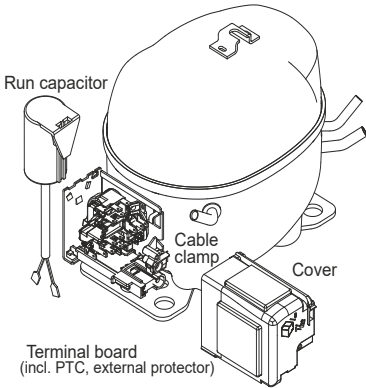
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|-------------|---------|---------------|---------|----------------------|
| Model       |         |               |         |                      |
| Designation | HXK70AT | 200-240V/50Hz | Conf. 2 | Sales code: 16425000 |

Configuration

Electrical accessories / wiring diagram

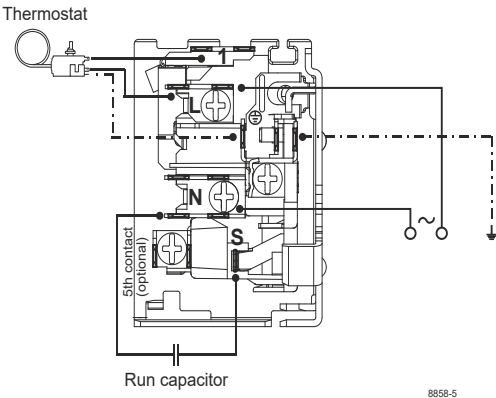
|                        |                  |
|------------------------|------------------|
| Motorconfiguration     | RSCR             |
| Power supply (nominal) | 200-240V/50Hz 1~ |
| Refrigerant            | R600a            |
| Application            | LBP              |
| Voltage range          | 170-264V         |
| Starting torque        | LST              |
| Approvals              | VDE              |

RSCR

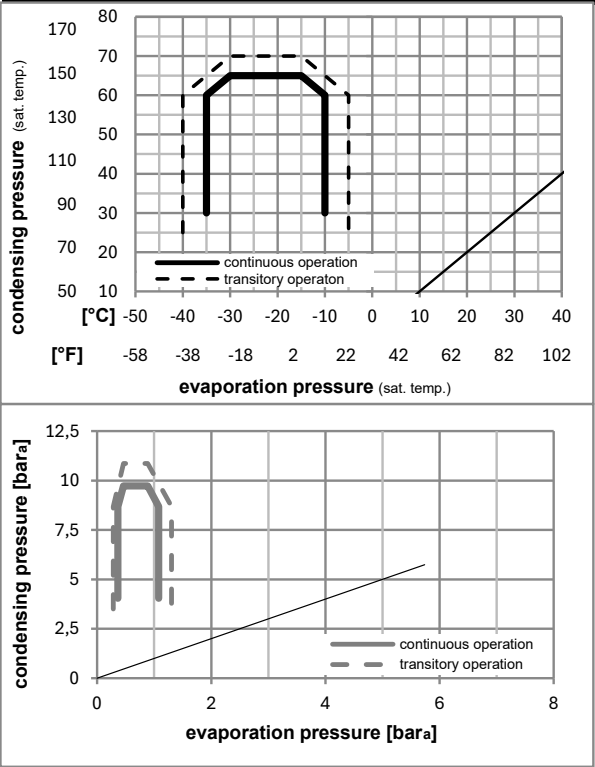


Ambient/ machine room temperatures minimum /maximum

|                                 |                        |
|---------------------------------|------------------------|
| Ambient temperature range:      | 10 - 43°C / 50 - 110°F |
| Machine room temperature range: | 10 - 48°C / 50 - 119°F |
| Compressor cooling:             | static                 |



Operation pressure range



Components

|                               |          |
|-------------------------------|----------|
| . terminal board (PTC, 6.3mm) | 15279300 |
| . run capacitor (4μF, 6.3mm)  | 15186801 |
| b cover terminal board        | 10636401 |
| . cable clamp                 | 11341000 |
| . screw - uni6954             | 10636000 |
| . screw - uni6954             | 10636200 |

Alternative components

|                         |          |
|-------------------------|----------|
| . screw uni en iso 4757 | 10641201 |
|-------------------------|----------|

## Model

|             |                |                      |                |             |                 |
|-------------|----------------|----------------------|----------------|-------------|-----------------|
| Designation | <b>HXK70AT</b> | <b>200-240V/50Hz</b> | <b>Conf. 2</b> | Sales code: | <b>16425000</b> |
|-------------|----------------|----------------------|----------------|-------------|-----------------|

## Optimization + standard conditions

R600a, 200V/50Hz, RSCR, static, VDE

| Evaporating pressure (saturation temperature) |  |  |  |  | Condensing pressure (saturation temperature) |  |  |  |  | Power consumption |  |  |  |  |
|-----------------------------------------------|--|--|--|--|----------------------------------------------|--|--|--|--|-------------------|--|--|--|--|
|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
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|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
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|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
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|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
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|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
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|                                               |  |  |  |  |                                              |  |  |  |  |                   |  |  |  |  |
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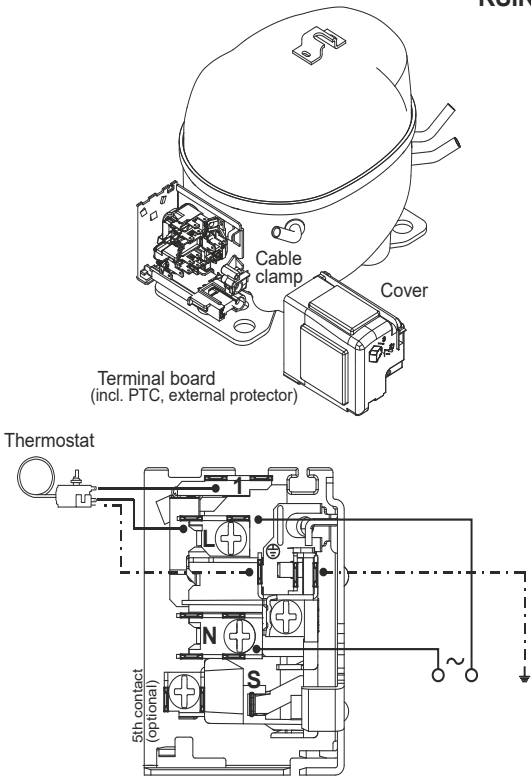
|             |         |               |         |                      |
|-------------|---------|---------------|---------|----------------------|
| Model       |         |               |         |                      |
| Designation | HXK70AT | 220-240V/50Hz | Conf. 3 | Sales code: 16425000 |

Configuration

|                        |                  |
|------------------------|------------------|
| Motorconfiguration     | RSIR             |
| Power supply (nominal) | 220-240V/50Hz 1~ |
| Refrigerant            | R600a            |
| Application            | LBP              |
| Voltage range          | 170-264V         |
| Starting torque        | LST              |
| Approvals              | VDE              |

Electrical accessories / wiring diagram

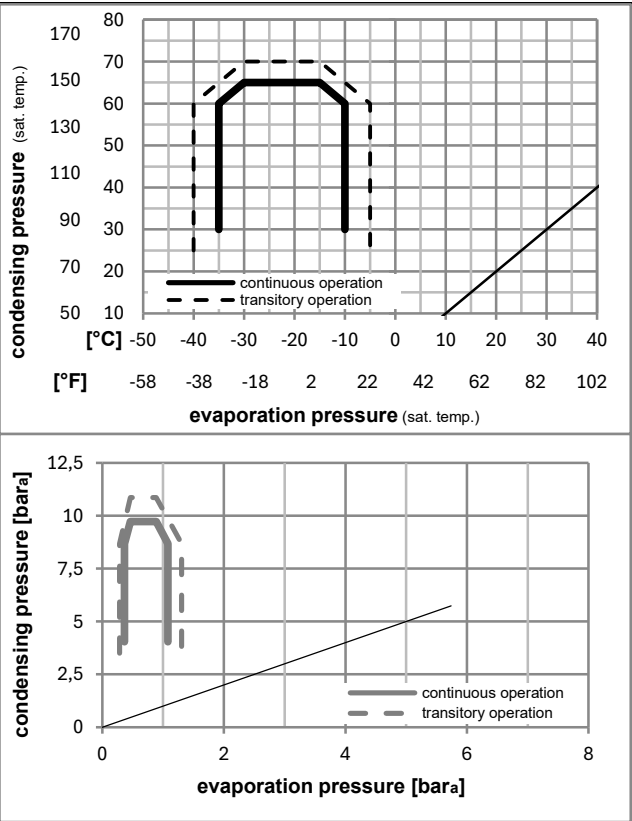
RSIR



Ambient/ machine room temperatures minimum /maximum

|                                 |                        |
|---------------------------------|------------------------|
| Ambient temperature range:      | 10 - 43°C / 50 - 110°F |
| Machine room temperature range: | 10 - 48°C / 50 - 119°F |
| Compressor cooling:             | static                 |

Operation pressure range



Components

|   |                             |          |
|---|-----------------------------|----------|
| . | terminal board (PTC, 6.3mm) | 15279300 |
| b | cover terminal board        | 10636401 |
| . | cable clamp                 | 11341000 |
| . | screw - uni6954             | 10636000 |
| . | screw - uni6954             | 10636200 |
| . | screw uni en iso 4757       | 10641201 |

|             |  |         |  |  |               |  |  |         |  |  |             |  |          |
|-------------|--|---------|--|--|---------------|--|--|---------|--|--|-------------|--|----------|
| Model       |  |         |  |  |               |  |  |         |  |  |             |  |          |
| Designation |  | HXK70AT |  |  | 220-240V/50Hz |  |  | Conf. 3 |  |  | Sales code: |  | 16425000 |

Optimization + standard conditions

R600a, 230V/50Hz, RSIR, static, VDE

| Evaporating pressure (saturation temperature) |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
|-----------------------------------------------|------|------|------|------|-------|---------|----------|-------|----------|-----------|------|------|--------|-------------|
| Condensing pressure (saturation temperature)  |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
| Return gas temp.                              |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
| Liquid temp.                                  |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
| Cooling capacity                              |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
| COP                                           |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
| EER                                           |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
| Power consumption                             |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
| Current consumption                           |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
| Ref. mass flow                                |      |      |      |      |       |         |          |       |          |           |      |      |        |             |
|                                               | pe   | pc   | RGT  | Tliq | [W]   | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | P1   | I    | m      |             |
|                                               | [°C] | [°F] | [°C] | [°F] | [W]   | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]  | [A]  | [kg/h] |             |
|                                               | -23  | 54   | 32   | 32   | 117,5 | 401     | 101,2    | 1,57  | 5,37     | 1,35      | 74,8 | 0,37 | 1,26   | ASHRAE LBP  |
|                                               | -10  | 130  | 90   | 90   |       |         |          |       |          |           |      |      |        |             |
|                                               | -25  | 55   | 32   | 55   | 87,9  | 300     | 75,7     | 1,23  | 4,19     | 1,06      | 71,6 | 0,36 | 1,15   | cecomaf LBP |
|                                               | -13  | 131  | 90   | 131  |       |         |          |       |          |           |      |      |        |             |
|                                               | -35  | 40   | 20   | 40   | 65,9  | 225     | 56,8     | 1,23  | 4,22     | 1,06      | 53,4 | 0,27 | 0,80   | EN12900 LBP |
|                                               | -31  | 104  | 68   | 104  |       |         |          |       |          |           |      |      |        |             |
|                                               | -23  | 49   | 4,4  | 49   | 96,0  | 328     | 82,7     | 1,31  | 4,48     | 1,13      | 73,1 | 0,36 | 1,40   | ARI540 LBP  |
|                                               | -10  | 120  | 40   | 120  |       |         |          |       |          |           |      |      |        |             |
|                                               | -23  | 41   | 32   | 32   | 125,0 | 427     | 107,6    | 1,80  | 6,14     | 1,55      | 69,6 | 0,35 | 1,34   | AHAM LBP    |
|                                               | -10  | 105  | 90   | 90   |       |         |          |       |          |           |      |      |        |             |
|                                               | -35  | 45   | 32   | 45   | 64,0  | 218     | 55,0     | 1,18  | 4,05     | 1,02      | 54,0 | 0,27 | 0,76   | opt         |
|                                               | -31  | 113  | 90   | 113  |       |         |          |       |          |           |      |      |        |             |

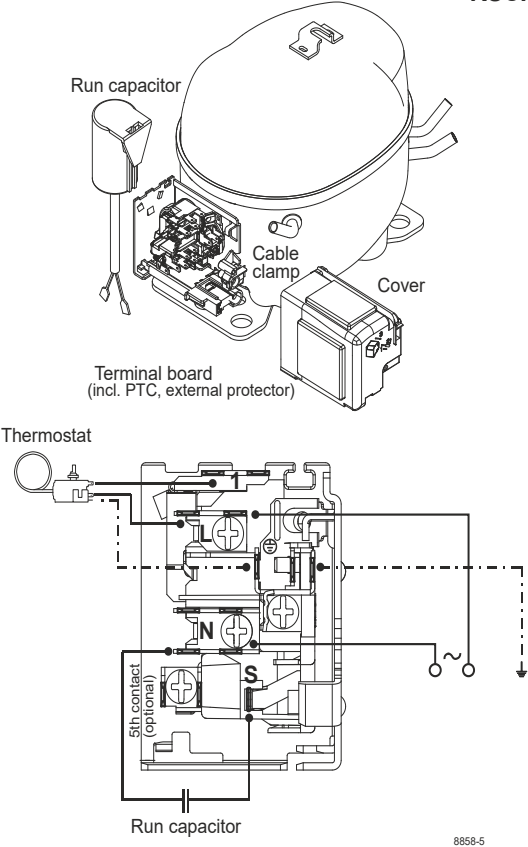
Performance tables

R600a, 230V/50Hz, RSIR, static, VDE

|                  | pe   |      | Cooling capacity |         |          | COP   |          | EER       |       | P1   | I    | m |
|------------------|------|------|------------------|---------|----------|-------|----------|-----------|-------|------|------|---|
|                  | [°C] | [°F] | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] |       |      |      |   |
| [°C / °F]        | -35  | -31  | 64,0             | 218     | 55,0     | 1,18  | 4,05     | 1,02      | 54,0  | 0,27 | 0,76 |   |
| cond. pressure   | -30  | -22  | 80,3             | 274     | 69,1     | 1,31  | 4,47     | 1,13      | 61,3  | 0,31 | 0,95 |   |
| pc= 45/113       | -25  | -13  | 102,6            | 350     | 88,3     | 1,49  | 5,08     | 1,28      | 69,0  | 0,35 | 1,22 |   |
| return gas temp. | -23  | -10  | 111,5            | 381     | 96,0     | 1,56  | 5,32     | 1,34      | 71,7  | 0,36 | 1,33 |   |
| RGT= 32/90       | -20  | -4   | 130,9            | 447     | 112,7    | 1,70  | 5,82     | 1,47      | 76,9  | 0,38 | 1,56 |   |
| liquid temp      | -15  | 5    | 165,4            | 565     | 142,4    | 1,95  | 6,65     | 1,68      | 84,9  | 0,42 | 1,98 |   |
| Tliq= 45/113     | -10  | 14   | 206,1            | 704     | 177,4    | 2,22  | 7,58     | 1,91      | 92,9  | 0,45 | 2,47 |   |
| [°C / °F]        | -35  | -31  | 47,7             | 163     | 41,1     | 0,91  | 3,11     | 0,78      | 52,5  | 0,27 | 0,62 |   |
| cond. pressure   | -30  | -22  | 65,8             | 225     | 56,6     | 1,06  | 3,63     | 0,91      | 62,0  | 0,31 | 0,86 |   |
| pc= 55/131       | -25  | -13  | 87,9             | 300     | 75,7     | 1,23  | 4,19     | 1,06      | 71,6  | 0,36 | 1,15 |   |
| return gas temp  | -23  | -10  | 96,4             | 329     | 83,0     | 1,29  | 4,39     | 1,11      | 74,9  | 0,37 | 1,26 |   |
| RGT= 32/90       | -20  | -4   | 114,3            | 390     | 98,4     | 1,40  | 4,80     | 1,21      | 81,4  | 0,40 | 1,49 |   |
| liquid temp      | -15  | 5    | 145,0            | 495     | 124,8    | 1,59  | 5,44     | 1,37      | 91,1  | 0,44 | 1,90 |   |
| Tliq= 55/131     | -10  | 14   | 180,1            | 615     | 155,0    | 1,79  | 6,11     | 1,54      | 100,6 | 0,49 | 2,36 |   |



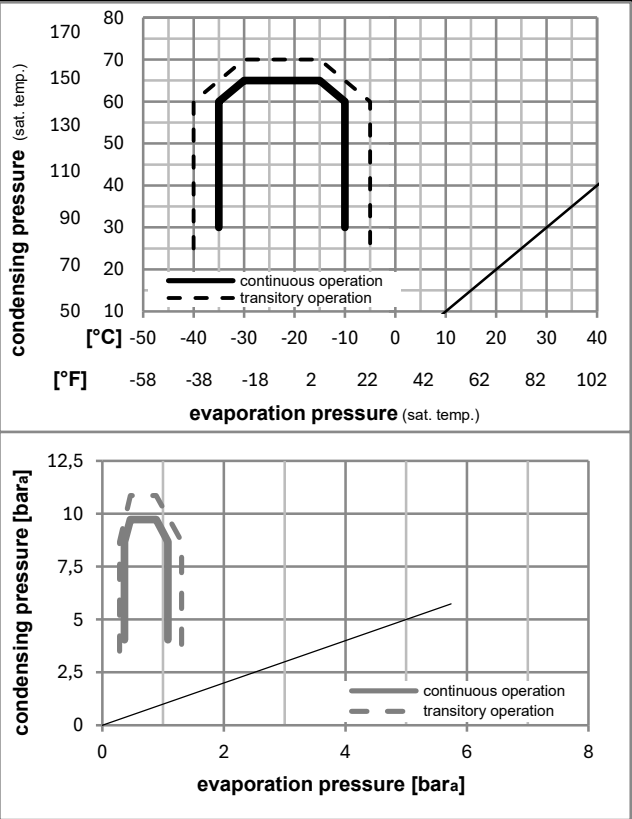
|             |         |               |         |                      |
|-------------|---------|---------------|---------|----------------------|
| Model       |         |               |         |                      |
| Designation | HXK70AT | 220-240V/50Hz | Conf. 4 | Sales code: 16425000 |

| Configuration          |                  | Electrical accessories / wiring diagram                                             |  |
|------------------------|------------------|-------------------------------------------------------------------------------------|--|
| Motorconfiguration     | RSCR             |  |  |
| Power supply (nominal) | 220-240V/50Hz 1~ |                                                                                     |  |
| Refrigerant            | R600a            |                                                                                     |  |
| Application            | LBP              |                                                                                     |  |
| Voltage range          | 170-264V         |                                                                                     |  |
| Starting torque        | LST              |                                                                                     |  |
| Approvals              | VDE              |                                                                                     |  |

Ambient/ machine room temperatures minimum /maximum

|                                 |                        |
|---------------------------------|------------------------|
| Ambient temperature range:      | 10 - 43°C / 50 - 110°F |
| Machine room temperature range: | 10 - 48°C / 50 - 119°F |
| Compressor cooling:             | static                 |

Operation pressure range



| Components                    |          |
|-------------------------------|----------|
| . terminal board (PTC, 6.3mm) | 15279300 |
| . run capacitor (4µF, 6.3mm)  | 15186801 |
| b cover terminal board        | 10636401 |
| . cable clamp                 | 11341000 |
| . screw - uni6954             | 10636000 |
| . screw - uni6954             | 10636200 |

| Alternative components  |          |
|-------------------------|----------|
| . screw uni en iso 4757 | 10641201 |

## Model

|             |                |                      |                |             |                 |
|-------------|----------------|----------------------|----------------|-------------|-----------------|
| Designation | <b>HXK70AT</b> | <b>220-240V/50Hz</b> | <b>Conf. 4</b> | Sales code: | <b>16425000</b> |
|-------------|----------------|----------------------|----------------|-------------|-----------------|

### Optimization + standard conditions

R600a, 230V/50Hz, RSCR, static, VDE

[illegible]

## Performance tables

R600a, 230V/50Hz, RSCR, static, VDE

|                  | pe   |      | Cooling capacity |         |          | COP   | EER      |           | P1   | I    | m      |
|------------------|------|------|------------------|---------|----------|-------|----------|-----------|------|------|--------|
|                  | [°C] | [°F] | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]  | [A]  | [kg/h] |
| [°C / °F]        | -35  | -31  | 64,0             | 218     | 55,0     | 1,24  | 4,24     | 1,07      | 51,5 | 0,26 | 0,76   |
| cond. pressure   | -30  | -22  | 80,3             | 274     | 69,1     | 1,37  | 4,69     | 1,18      | 58,5 | 0,30 | 0,95   |
| pc= 45/113       | -25  | -13  | 102,6            | 350     | 88,3     | 1,56  | 5,33     | 1,34      | 65,8 | 0,33 | 1,22   |
| return gas temp. | -23  | -10  | 111,5            | 381     | 96,0     | 1,63  | 5,58     | 1,41      | 68,3 | 0,34 | 1,33   |
| RGT= 32/90       | -20  | -4   | 130,9            | 447     | 112,7    | 1,79  | 6,10     | 1,54      | 73,3 | 0,36 | 1,56   |
| liquid temp      | -15  | 5    | 165,4            | 565     | 142,4    | 2,04  | 6,98     | 1,76      | 80,9 | 0,40 | 1,98   |
| Tliq= 45/113     | -10  | 14   | 206,1            | 704     | 177,4    | 2,33  | 7,95     | 2,00      | 88,6 | 0,43 | 2,47   |
| [°C / °F]        | -35  | -31  | 47,7             | 163     | 41,1     | 0,95  | 3,26     | 0,82      | 50,0 | 0,25 | 0,62   |
| cond. pressure   | -30  | -22  | 65,8             | 225     | 56,6     | 1,11  | 3,80     | 0,96      | 59,1 | 0,30 | 0,86   |
| pc= 55/131       | -25  | -13  | 87,9             | 300     | 75,7     | 1,29  | 4,40     | 1,11      | 68,3 | 0,34 | 1,15   |
| return gas temp  | -23  | -10  | 96,4             | 329     | 83,0     | 1,35  | 4,61     | 1,16      | 71,5 | 0,35 | 1,26   |
| RGT= 32/90       | -20  | -4   | 114,3            | 390     | 98,4     | 1,47  | 5,03     | 1,27      | 77,6 | 0,38 | 1,49   |
| liquid temp      | -15  | 5    | 145,0            | 495     | 124,8    | 1,67  | 5,70     | 1,44      | 86,8 | 0,42 | 1,90   |
| Tliq= 55/131     | -10  | 14   | 180,1            | 615     | 155,0    | 1,88  | 6,41     | 1,62      | 95,9 | 0,46 | 2,36   |