

Model  
**GS34MLX**

Sales code:  
**107B0524**

### Compressor Data

|                            |                                         |
|----------------------------|-----------------------------------------|
| Refrigerant(s)             | <b>R404A / R452A</b>                    |
| Refr. charge - tech. limit | <b>2000g / 70.55oz</b>                  |
| Weight                     | <b>22.30 kg / 49.16lbs</b>              |
| Displacement               | <b>33.80 cm<sup>3</sup> / 2.06cu.in</b> |
| Compressors on pallet      | <b>48</b>                               |



### General - Configurations With GS34MLX

| -                       | Conf. 1         | Conf. 2         | Conf. 3         | Conf. 4         |
|-------------------------|-----------------|-----------------|-----------------|-----------------|
| Motor configuration     | CSCR            | CSCR            | CSCR            | CSCR            |
| Power supply (nominal)  | 220-240 V/50 Hz | 220-240 V/50 Hz | 220-240 V/50 Hz | 220-240 V/50 Hz |
| Number of phases        | 1               | 1               | 1               | 1               |
| Voltage range           | 198-254 V       | 198-254 V       | 198-254 V       | 198-254 V       |
| Approvals               | VDE, EAC        | VDE, EAC        | VDE, EAC        | VDE, EAC        |
| Starting torque         | HST             | HST             | HST             | HST             |
| Refrigerant             | R404A           | R452A           | R448A           | R449A           |
| Application             | MBP             | MBP             | MBP             | MBP             |
| Hot gas defrost         | OK              | OK              | OK              | OK              |
| Long interval pull down | OK              | OK              | OK              | OK              |

### Application Notes

- Cover, clamp, gasket: pre-assembled to compressor.
- Provision for PE Grounding is located at the PE Stamp on the compressor

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### Compressor Design

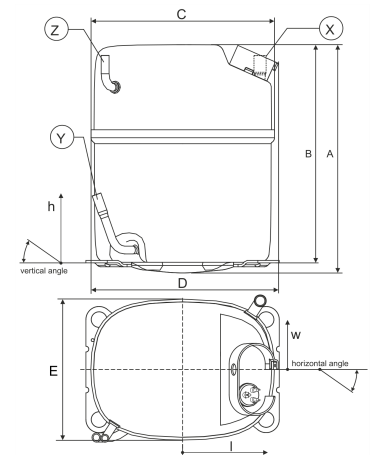
|                       |                                     |                         |               |
|-----------------------|-------------------------------------|-------------------------|---------------|
| Oil type              | POE                                 | Motor protection        | internal      |
| Oil viscosity         | 46cSt                               | Winding resistance main | 1.400 Ohm     |
| Oil quantity          | 906 / 30.64fl.oz                    | Winding resistance aux  | 5.80 Ohm      |
| Free gas volume comp. | 3,540 cm <sup>3</sup> / 119.70fl.oz | Max. discharge temp.    | 130°C / 266°F |

### Compressor Dimensions

#### Housing

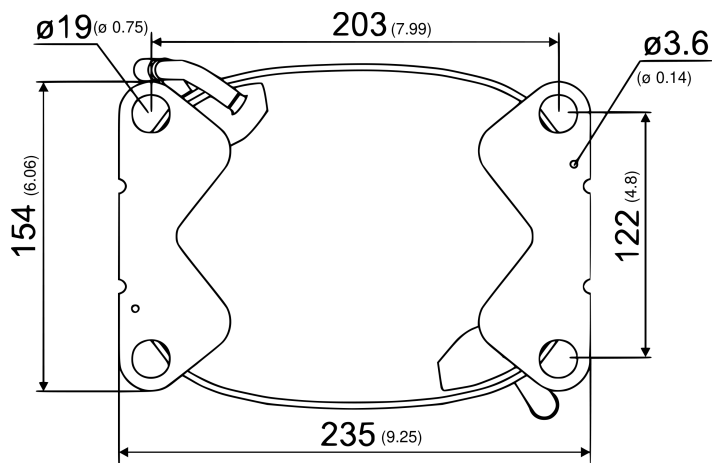
|                   |                 |
|-------------------|-----------------|
| A Height          | 279mm / 10.98in |
| B Height          | 267mm / 10.51in |
| C Length shell    | 224mm / 8.82in  |
| D Length w. cover | 232mm / 9.13in  |
| E Width           | 173mm / 6.81in  |

[Find 3D Model here](#)

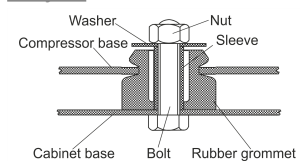


| Connectors            | Suction X                          | Discharge Y                      | Process Z                      |
|-----------------------|------------------------------------|----------------------------------|--------------------------------|
| Diameter [mm]         | øi 16.03–16.13 / 0.63–0.64in       | øi 9.63–9.73 / 0.38–0.38in       | øi 6.4–6.6 / 0.25–0.26in       |
| Material              | CU                                 | CU                               | CU                             |
| Horizontal angle ±2°  | 0°                                 | 0°                               | 0°                             |
| Vertical angle ±2°    | 90°                                | 71°                              | 90°                            |
| Position l/h/w [mm]   | -94.5/234/-84 / -3.72/9.21/-3.31in | -105/84/-84 / -4.13/3.31/-3.31in | 94.5/234/84 / 3.72/9.21/3.31in |
| Straight tube l. [mm] | 18 / 0.71in                        | 22.5 / 0.89in                    | 15 / 0.59in                    |

### Mounting Accessories



#### Bolt joint



Dimensions in mm [in]

|                         | one comp. | multi pack |
|-------------------------|-----------|------------|
| Bolt joint   M8   ø19mm | 107B9150  | -          |

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Configuration 1

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### Configuration

|                                    |                           |
|------------------------------------|---------------------------|
| Motor configuration                | <b>CSCR</b>               |
| Power supply (nominal)             | <b>220-240 V/50 Hz 1~</b> |
| Refrigerant                        | <b>R404A</b>              |
| Application                        | <b>MBP</b>                |
| Voltage range                      | <b>198-254 V</b>          |
| Starting torque                    | <b>HST</b>                |
| Approvals                          | <b>VDE, EAC</b>           |
| Starting device type               | <b>relay</b>              |
| Run capacitor                      | <b>20 µF</b>              |
| Start capacitor                    | <b>100 µF</b>             |
| LRA (locked rotor amps / 4s/ U(N)) | <b>46 A</b>               |
| RLA (rated load amps / 1s/ U(N))   | <b>11 A</b>               |
| Cut in current (U(N))              | <b>46 A</b>               |

### Ambient/ machine room temperatures minimum /maximum

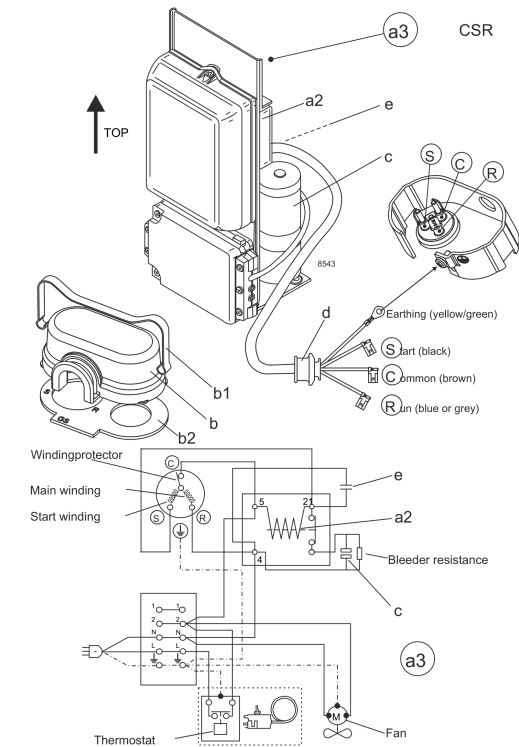
Ambient temperature range: 10 - 43°C / 50 - 109°F

Machine room temp. compressor: 10 - 48°C / 50 - 118°F

### System Cooling

fan 3m/s

### Electrical Accessories / Wiring Diagram



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### Components (cover, clamp, gasket: pre assembled)

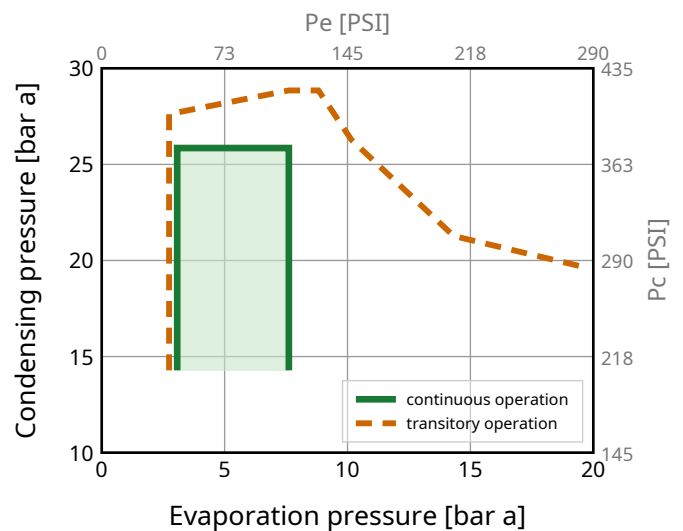
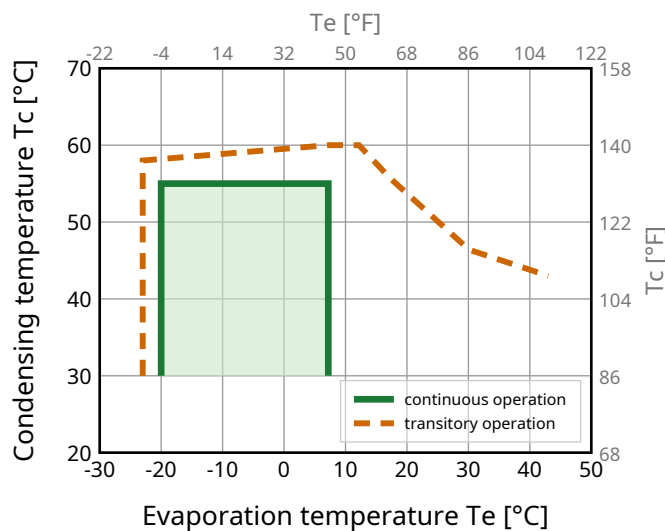
**a3** GS starter kit (600mm) 117-7056

**b** cover 107B9101

**b2** gasket 107B9100

**b1** clamp 107B9104

### Operation Pressure Range



Model  
GS34MLX

Configuration 1

Sales code:  
107B0524

Standard Conditions

R404A, 220 V/50 Hz, CSCR, fan 3m/s

| pe           | pc            | RGT          | Tliq          | Cooling capacity |         |          | COP   | EER      | P    | I     | m      |             |
|--------------|---------------|--------------|---------------|------------------|---------|----------|-------|----------|------|-------|--------|-------------|
| [°C]<br>[°F] | [°C]<br>[°F]  | [°C]<br>[°F] | [°C]<br>[°F]  | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W]  | [A]   | [kg/h] |             |
| -6.7<br>20   | 54.4<br>129.9 | 35<br>95     | 46.1<br>115   | 3357             | 11454   | 2887     | 1.71  | 5.84     | 1961 | 10.20 | 92.22  | ASHRAE MBP  |
| -10<br>14    | 55<br>131     | 32<br>89.6   | 55<br>131     | 2520             | 8598    | 2167     | 1.36  | 4.65     | 1848 | 9.74  | 80.54  | CECOMAF MBP |
| -10<br>14    | 45<br>113     | 20<br>68     | 45<br>113     | 2953             | 10076   | 2540     | 1.71  | 5.84     | 1725 | 9.28  | 88.79  | EN12900 MBP |
| -6.7<br>20   | 48.8<br>119.8 | 18.3<br>64.9 | 48.8<br>119.8 | 3062             | 10449   | 2634     | 1.63  | 5.55     | 1881 | 9.91  | 99.80  | ARI540 MBP  |
| -10<br>14    | 45<br>113     | 32<br>89.6   | 45<br>113     | 3136             | 10699   | 2697     | 1.82  | 6.20     | 1725 | 9.28  | 86.21  | opt MBP     |
| -23.3<br>-10 | 45<br>113     | 32.2<br>90   | 32.2<br>90    | 2015             | 6876    | 1733     | 1.53  | 5.23     | 1314 | 7.80  | 46.85  | opt LBP     |

Performance Tables

R404A, 220 V/50 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 20/68 | Tliq= 45/113 | °C/°F

| pe   |      | Cooling capacity |         |          | COP   | EER      | P    | I     | m      |
|------|------|------------------|---------|----------|-------|----------|------|-------|--------|
| [°C] | [°F] | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W]  | [A]   | [kg/h] |
| -20  | -4   | 1929             | 6583    | 1659     | 1.36  | 4.64     | 1417 | 8.13  | 56.92  |
| -15  | 5    | 2408             | 8216    | 2071     | 1.53  | 5.23     | 1571 | 8.68  | 71.66  |
| -10  | 14   | 2953             | 10076   | 2540     | 1.71  | 5.84     | 1725 | 9.28  | 88.79  |
| -5   | 23   | 3574             | 12196   | 3074     | 1.90  | 6.47     | 1885 | 9.95  | 108.80 |
| 0    | 32   | 4283             | 14613   | 3683     | 2.09  | 7.12     | 2053 | 10.67 | 132.28 |
| 5    | 41   | 5088             | 17361   | 4376     | 2.28  | 7.77     | 2235 | 11.45 | 159.91 |
| 7.2  | 45   | 5476             | 18684   | 4709     | 2.36  | 8.06     | 2320 | 11.82 | 173.62 |

pc= 55/131 | RGT= 20/68 | Tliq= 55/131 | °C/°F

|     |    |      |       |      |      |      |      |       |        |
|-----|----|------|-------|------|------|------|------|-------|--------|
| -20 | -4 | 1508 | 5145  | 1297 | 1.02 | 3.48 | 1480 | 8.38  | 52.34  |
| -15 | 5  | 1898 | 6475  | 1632 | 1.14 | 3.89 | 1665 | 9.03  | 66.55  |
| -10 | 14 | 2337 | 7974  | 2010 | 1.26 | 4.31 | 1848 | 9.74  | 82.96  |
| -5  | 23 | 2836 | 9676  | 2439 | 1.40 | 4.76 | 2033 | 10.50 | 102.14 |
| 0   | 32 | 3405 | 11617 | 2928 | 1.53 | 5.22 | 2223 | 11.33 | 124.76 |
| 5   | 41 | 4054 | 13832 | 3486 | 1.67 | 5.71 | 2424 | 12.21 | 151.66 |
| 7.2 | 45 | 4368 | 14903 | 3756 | 1.74 | 5.92 | 2516 | 12.62 | 165.11 |

Model  
**GS34MLX**

Configuration 2

Sales code:  
**107B0524**

### Configuration

|                                    |                              |
|------------------------------------|------------------------------|
| Motor configuration                | <b>CSCR</b>                  |
| Power supply (nominal)             | <b>220-240 V/50 Hz 1~</b>    |
| Refrigerant                        | <b>R452A</b>                 |
| Application                        | <b>MBP</b>                   |
| Voltage range                      | <b>198-254 V</b>             |
| Starting torque                    | <b>HST</b>                   |
| Approvals                          | <b>VDE, EAC</b>              |
| Starting device type               | <b>relay</b>                 |
| Run capacitor                      | <b>20 <math>\mu</math>F</b>  |
| Start capacitor                    | <b>100 <math>\mu</math>F</b> |
| LRA (locked rotor amps / 4s/ U(N)) | <b>46 A</b>                  |
| RLA (rated load amps / 1s/ U(N))   | <b>11 A</b>                  |
| Cut in current (U(N))              | <b>46 A</b>                  |

### Ambient/ machine room temperatures minimum /maximum

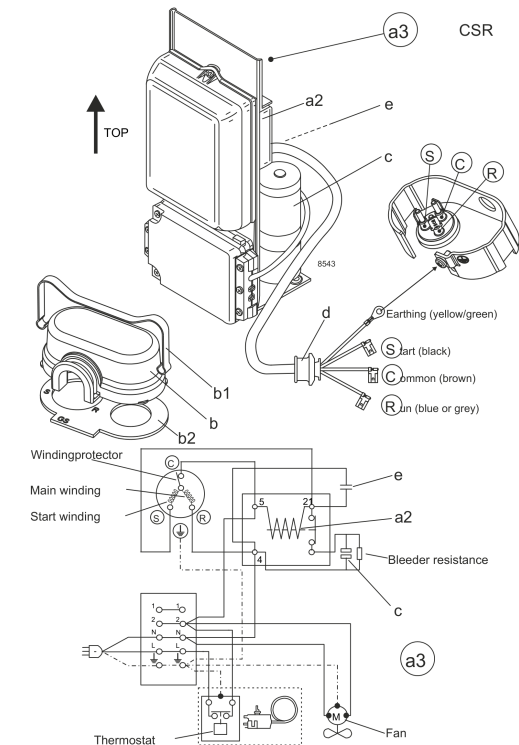
Ambient temperature range: 10 - 43°C / 50 - 109°F

Machine room temp. compressor: 10 - 48°C / 50 - 118°F

### System Cooling

fan 3m/s

### Electrical Accessories / Wiring Diagram



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### Components (cover, clamp, gasket: pre assembled)

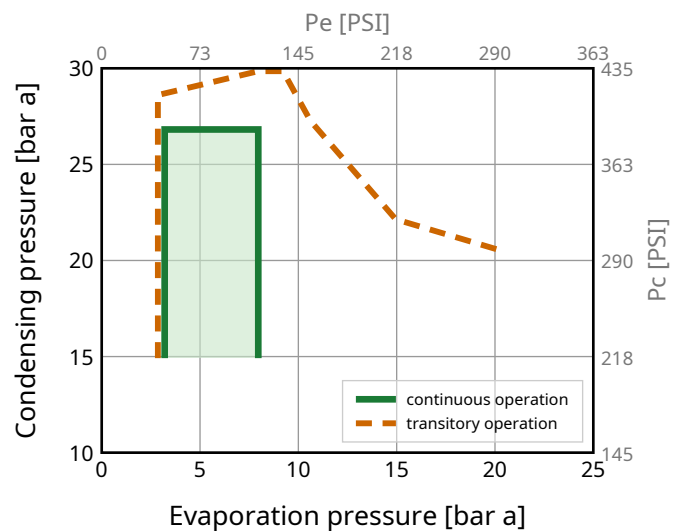
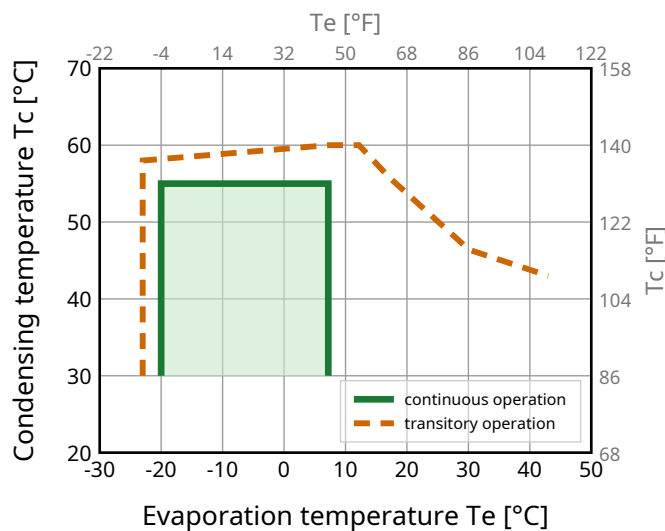
**a3** GS starter kit (600mm) 117-7056

**b** cover 107B9101

**b2** gasket 107B9100

**b1** clamp 107B9104

### Operation Pressure Range



Model  
GS34MLX

Configuration 2

Sales code:  
107B0524

Standard Conditions

R452A, 220 V/50 Hz, CSCR, fan 3m/s

| pe           | pc            | RGT          | Tliq          | Cooling capacity |         |          | COP   | EER      | P    | I    | m      |             |
|--------------|---------------|--------------|---------------|------------------|---------|----------|-------|----------|------|------|--------|-------------|
| [°C]<br>[°F] | [°C]<br>[°F]  | [°C]<br>[°F] | [°C]<br>[°F]  | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W]  | [A]  | [kg/h] |             |
| -6.7<br>20   | 54.4<br>129.9 | 35<br>95     | 46.1<br>115   | 3428             | 11697   | 2948     | 1.85  | 6.32     | 1851 | 9.90 | 97.79  | ASHRAE MBP  |
| -10<br>14    | 55<br>131     | 32<br>89.6   | 55<br>131     | 2569             | 8766    | 2210     | 1.48  | 5.05     | 1738 | 9.47 | 84.92  | CECOMAF MBP |
| -10<br>14    | 45<br>113     | 20<br>68     | 45<br>113     | 2954             | 10080   | 2541     | 1.82  | 6.20     | 1627 | 9.05 | 92.15  | EN12900 MBP |
| -6.7<br>20   | 48.8<br>119.8 | 18.3<br>64.9 | 48.8<br>119.8 | 3105             | 10594   | 2670     | 1.75  | 5.96     | 1778 | 9.62 | 104.80 | ARI540 MBP  |
| -10<br>14    | 45<br>113     | 32<br>89.6   | 45<br>113     | 3134             | 10692   | 2695     | 1.93  | 6.57     | 1627 | 9.05 | 89.47  | opt MBP     |
| -23.3<br>-10 | 45<br>113     | 32.2<br>90   | 32.2<br>90    | 1962             | 6694    | 1687     | 1.61  | 5.48     | 1222 | 7.51 | 47.48  | opt LBP     |

Performance Tables

R452A, 220 V/50 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 20/68 | Tliq= 45/113 | °C/°F

| pe   |      | Cooling capacity |         |          | COP   | EER      | P    | I     | m      |
|------|------|------------------|---------|----------|-------|----------|------|-------|--------|
| [°C] | [°F] | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W]  | [A]   | [kg/h] |
| -20  | -4   | 1896             | 6471    | 1631     | 1.43  | 4.89     | 1323 | 7.89  | 58.05  |
| -15  | 5    | 2388             | 8149    | 2054     | 1.62  | 5.53     | 1474 | 8.47  | 73.74  |
| -10  | 14   | 2954             | 10080   | 2541     | 1.82  | 6.20     | 1627 | 9.05  | 92.15  |
| -5   | 23   | 3607             | 12308   | 3102     | 2.02  | 6.89     | 1786 | 9.65  | 113.90 |
| 0    | 32   | 4360             | 14878   | 3750     | 2.23  | 7.61     | 1955 | 10.30 | 139.68 |
| 5    | 41   | 5226             | 17832   | 4495     | 2.44  | 8.34     | 2139 | 11.00 | 170.36 |
| 7.2  | 45   | 5646             | 19266   | 4856     | 2.54  | 8.66     | 2226 | 11.33 | 185.67 |

pc= 55/131 | RGT= 20/68 | Tliq= 55/131 | °C/°F

|     |    |      |       |      |      |      |      |       |        |
|-----|----|------|-------|------|------|------|------|-------|--------|
| -20 | -4 | 1508 | 5144  | 1297 | 1.10 | 3.74 | 1375 | 8.09  | 54.04  |
| -15 | 5  | 1918 | 6544  | 1649 | 1.23 | 4.20 | 1556 | 8.78  | 69.45  |
| -10 | 14 | 2387 | 8144  | 2053 | 1.37 | 4.69 | 1738 | 9.47  | 87.47  |
| -5  | 23 | 2927 | 9988  | 2517 | 1.52 | 5.20 | 1922 | 10.17 | 108.81 |
| 0   | 32 | 3552 | 12119 | 3055 | 1.68 | 5.73 | 2115 | 10.91 | 134.30 |
| 5   | 41 | 4274 | 14583 | 3676 | 1.84 | 6.28 | 2321 | 11.69 | 164.96 |
| 7.2 | 45 | 4626 | 15784 | 3978 | 1.92 | 6.53 | 2416 | 12.05 | 180.40 |

Model  
**GS34MLX**

Configuration 3

Sales code:  
**107B0524**

### Configuration

|                                    |                              |
|------------------------------------|------------------------------|
| Motor configuration                | <b>CSCR</b>                  |
| Power supply (nominal)             | <b>220-240 V/50 Hz 1~</b>    |
| Refrigerant                        | <b>R448A</b>                 |
| Application                        | <b>MBP</b>                   |
| Voltage range                      | <b>198-254 V</b>             |
| Starting torque                    | <b>HST</b>                   |
| Approvals                          | <b>VDE, EAC</b>              |
| Starting device type               | <b>relay</b>                 |
| Run capacitor                      | <b>20 <math>\mu</math>F</b>  |
| Start capacitor                    | <b>100 <math>\mu</math>F</b> |
| LRA (locked rotor amps / 4s/ U(N)) | <b>46 A</b>                  |
| RLA (rated load amps / 1s/ U(N))   | <b>11 A</b>                  |
| Cut in current (U(N))              | <b>46 A</b>                  |

### Ambient/ machine room temperatures minimum /maximum

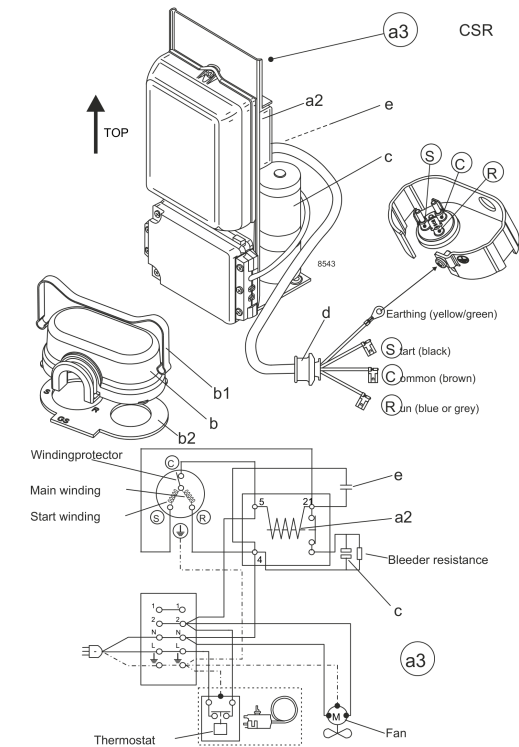
Ambient temperature range: 10 - 38°C / 50 - 100°F

Machine room temp. compressor: 10 - 43°C / 50 - 109°F

### System Cooling

fan 3m/s

### Electrical Accessories / Wiring Diagram



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### Components (cover, clamp, gasket: pre assembled)

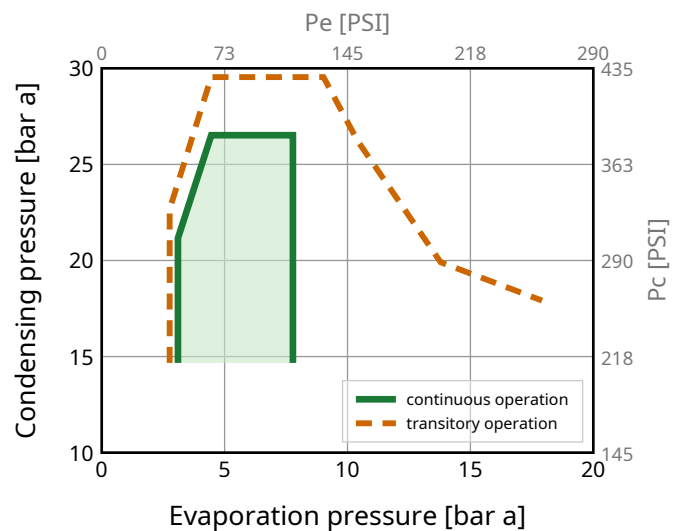
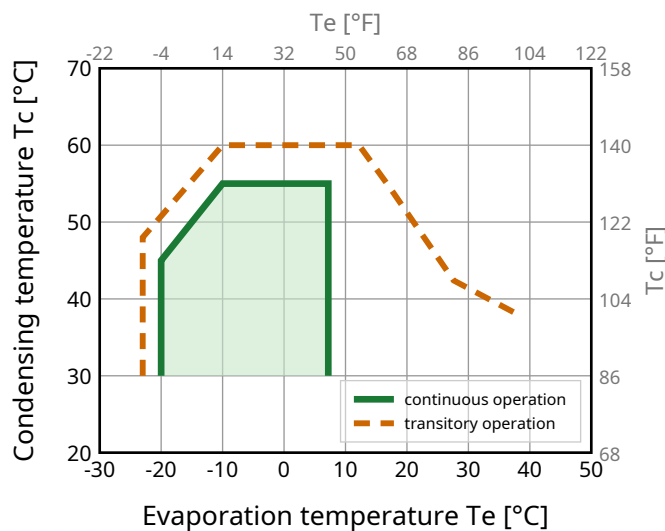
**a3** GS starter kit (600mm) 117-7056

**b** cover 107B9101

**b2** gasket 107B9100

**b1** clamp 107B9104

### Operation Pressure Range



Model  
GS34MLX

Configuration 3

Sales code:  
107B0524

Standard Conditions

R448A, 220 V/50 Hz, CSCR, fan 3m/s

| pe           | pc            | RGT          | Tliq          | Cooling capacity |         |          | COP   | EER      | P    | I    | m      |             |
|--------------|---------------|--------------|---------------|------------------|---------|----------|-------|----------|------|------|--------|-------------|
| [°C]<br>[°F] | [°C]<br>[°F]  | [°C]<br>[°F] | [°C]<br>[°F]  | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W]  | [A]  | [kg/h] |             |
| -6.7<br>20   | 54.4<br>129.9 | 35<br>95     | 46.1<br>115   | 3213             | 10963   | 2763     | 1.83  | 6.23     | 1758 | 9.55 | 71.11  | ASHRAE MBP  |
| -10<br>14    | 55<br>131     | 32<br>89.6   | 55<br>131     | 2472             | 8436    | 2126     | 1.50  | 5.12     | 1646 | 9.12 | 61.42  | CECOMAF MBP |
| -10<br>14    | 45<br>113     | 20<br>68     | 45<br>113     | 2832             | 9663    | 2436     | 1.84  | 6.27     | 1540 | 8.72 | 67.22  | EN12900 MBP |
| -6.7<br>20   | 48.8<br>119.8 | 18.3<br>64.9 | 48.8<br>119.8 | 3029             | 10336   | 2605     | 1.79  | 6.12     | 1688 | 9.28 | 76.56  | ARI540 MBP  |
| -10<br>14    | 45<br>113     | 32<br>89.6   | 45<br>113     | 2949             | 10062   | 2536     | 1.92  | 6.53     | 1540 | 8.72 | 65.26  | opt MBP     |
| -23.3<br>-10 | 45<br>113     | 32.2<br>90   | 32.2<br>90    | 1757             | 5994    | 1511     | 1.54  | 5.25     | 1142 | 7.21 | 33.85  | opt LBP     |

Performance Tables

R448A, 220 V/50 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 20/68 | Tliq= 45/113 | °C/°F

| pe   |      | Cooling capacity |         |          | COP   | EER      | P    | I     | m      |
|------|------|------------------|---------|----------|-------|----------|------|-------|--------|
| [°C] | [°F] | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W]  | [A]   | [kg/h] |
| -20  | -4   | 1785             | 6091    | 1535     | 1.44  | 4.91     | 1241 | 7.58  | 41.66  |
| -15  | 5    | 2270             | 7744    | 1952     | 1.63  | 5.58     | 1389 | 8.15  | 53.38  |
| -10  | 14   | 2832             | 9663    | 2436     | 1.84  | 6.27     | 1540 | 8.72  | 67.22  |
| -5   | 23   | 3486             | 11895   | 2998     | 2.06  | 7.01     | 1696 | 9.31  | 83.65  |
| 0    | 32   | 4246             | 14487   | 3651     | 2.28  | 7.78     | 1863 | 9.95  | 103.21 |
| 5    | 41   | 5124             | 17484   | 4407     | 2.51  | 8.55     | 2044 | 10.64 | 126.53 |
| 7.2  | 45   | 5552             | 18944   | 4775     | 2.61  | 8.90     | 2130 | 10.96 | 138.17 |

pc= 55/131 | RGT= 20/68 | Tliq= 55/131 | °C/°F

|     |    |      |       |      |      |      |      |       |        |
|-----|----|------|-------|------|------|------|------|-------|--------|
| -20 | -4 | 1456 | 4969  | 1252 | 1.13 | 3.86 | 1289 | 7.77  | 38.41  |
| -15 | 5  | 1872 | 6389  | 1610 | 1.28 | 4.35 | 1467 | 8.45  | 49.82  |
| -10 | 14 | 2354 | 8030  | 2024 | 1.43 | 4.88 | 1646 | 9.12  | 63.27  |
| -5  | 23 | 2913 | 9938  | 2505 | 1.59 | 5.44 | 1829 | 9.82  | 79.28  |
| 0   | 32 | 3564 | 12161 | 3065 | 1.76 | 6.02 | 2020 | 10.55 | 98.45  |
| 5   | 41 | 4321 | 14744 | 3716 | 1.94 | 6.63 | 2225 | 11.32 | 121.49 |
| 7.2 | 45 | 4691 | 16006 | 4034 | 2.02 | 6.90 | 2320 | 11.68 | 133.09 |

Model  
**GS34MLX**

Configuration 4

Sales code:  
**107B0524**

### Configuration

|                                    |                           |
|------------------------------------|---------------------------|
| Motor configuration                | <b>CSCR</b>               |
| Power supply (nominal)             | <b>220-240 V/50 Hz 1~</b> |
| Refrigerant                        | <b>R449A</b>              |
| Application                        | <b>MBP</b>                |
| Voltage range                      | <b>198-254 V</b>          |
| Starting torque                    | <b>HST</b>                |
| Approvals                          | <b>VDE, EAC</b>           |
| Starting device type               | <b>relay</b>              |
| Run capacitor                      | <b>20 µF</b>              |
| Start capacitor                    | <b>100 µF</b>             |
| LRA (locked rotor amps / 4s/ U(N)) | <b>46 A</b>               |
| RLA (rated load amps / 1s/ U(N))   | <b>11 A</b>               |
| Cut in current (U(N))              | <b>46 A</b>               |

### Ambient/ machine room temperatures minimum /maximum

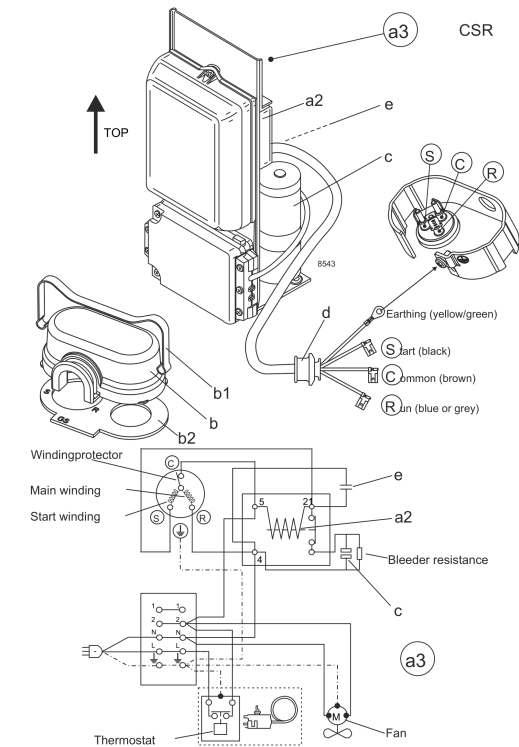
Ambient temperature range: 10 - 38°C / 50 - 100°F

Machine room temp. compressor: 10 - 43°C / 50 - 109°F

### System Cooling

fan 3m/s

### Electrical Accessories / Wiring Diagram



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### Components (cover, clamp, gasket: pre assembled)

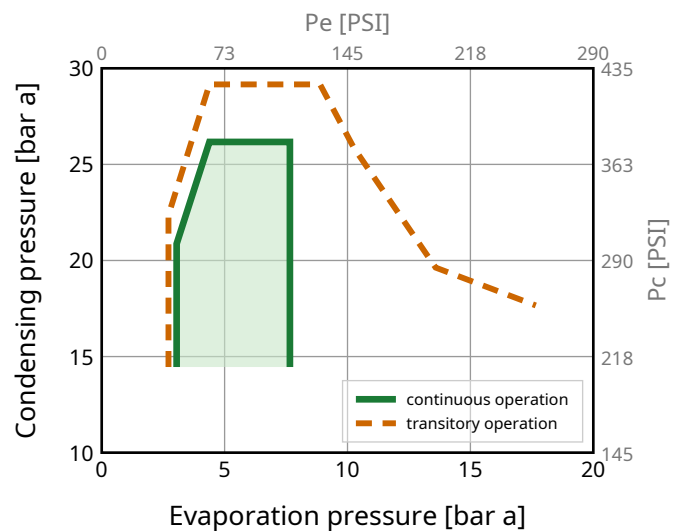
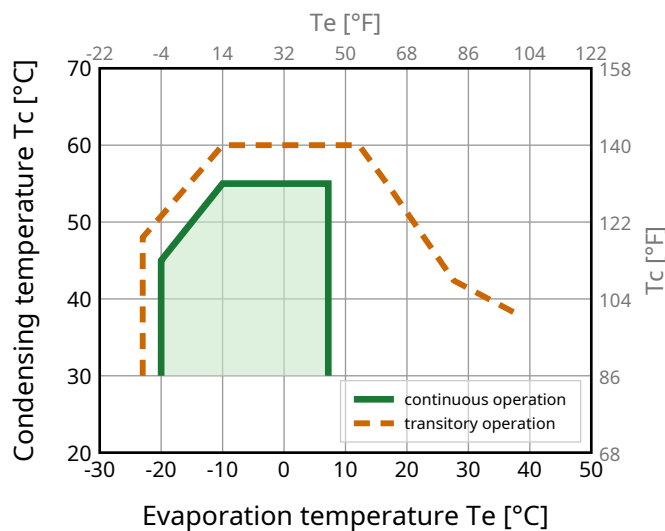
**a3** GS starter kit (600mm) 117-7056

**b** cover 107B9101

**b2** gasket 107B9100

**b1** clamp 107B9104

### Operation Pressure Range



Model  
GS34MLX

Configuration 4

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107B0524

Standard Conditions

R449A, 220 V/50 Hz, CSCR, fan 3m/s

| pe           | pc            | RGT          | Tliq          | Cooling capacity |         |          | COP   | EER      | P    | I    | m      |             |
|--------------|---------------|--------------|---------------|------------------|---------|----------|-------|----------|------|------|--------|-------------|
| [°C]<br>[°F] | [°C]<br>[°F]  | [°C]<br>[°F] | [°C]<br>[°F]  | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W]  | [A]  | [kg/h] |             |
| -6.7<br>20   | 54.4<br>129.9 | 35<br>95     | 46.1<br>115   | 3198             | 10913   | 2751     | 1.83  | 6.24     | 1748 | 9.51 | 71.51  | ASHRAE MBP  |
| -10<br>14    | 55<br>131     | 32<br>89.6   | 55<br>131     | 2459             | 8390    | 2115     | 1.50  | 5.12     | 1637 | 9.09 | 61.78  | CECOMAF MBP |
| -10<br>14    | 45<br>113     | 20<br>68     | 45<br>113     | 2817             | 9612    | 2423     | 1.84  | 6.27     | 1532 | 8.69 | 67.61  | EN12900 MBP |
| -6.7<br>20   | 48.8<br>119.8 | 18.3<br>64.9 | 48.8<br>119.8 | 3011             | 10274   | 2590     | 1.79  | 6.12     | 1679 | 9.25 | 76.98  | ARI540 MBP  |
| -10<br>14    | 45<br>113     | 32<br>89.6   | 45<br>113     | 2936             | 10016   | 2525     | 1.92  | 6.53     | 1532 | 8.69 | 65.64  | opt MBP     |
| -23.3<br>-10 | 45<br>113     | 32.2<br>90   | 32.2<br>90    | 1752             | 5979    | 1507     | 1.54  | 5.25     | 1138 | 7.19 | 34.09  | opt LBP     |

Performance Tables

R449A, 220 V/50 Hz, CSCR, fan 3m/s

pc= 45/113 | RGT= 20/68 | Tliq= 45/113 | °C/°F

| pe   |      | Cooling capacity |         |          | COP   | EER      | P    | I     | m      |
|------|------|------------------|---------|----------|-------|----------|------|-------|--------|
| [°C] | [°F] | [W]              | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [W]  | [A]   | [kg/h] |
| -20  | -4   | 1777             | 6064    | 1528     | 1.44  | 4.90     | 1236 | 7.57  | 41.94  |
| -15  | 5    | 2258             | 7706    | 1942     | 1.63  | 5.57     | 1384 | 8.13  | 53.71  |
| -10  | 14   | 2817             | 9612    | 2423     | 1.84  | 6.27     | 1532 | 8.69  | 67.61  |
| -5   | 23   | 3467             | 11829   | 2982     | 2.06  | 7.01     | 1687 | 9.28  | 84.11  |
| 0    | 32   | 4222             | 14404   | 3630     | 2.28  | 7.78     | 1852 | 9.90  | 103.76 |
| 5    | 41   | 5094             | 17382   | 4381     | 2.51  | 8.56     | 2030 | 10.58 | 127.18 |
| 7.2  | 45   | 5520             | 18833   | 4747     | 2.61  | 8.91     | 2114 | 10.90 | 138.88 |

pc= 55/131 | RGT= 20/68 | Tliq= 55/131 | °C/°F

|     |    |      |       |      |      |      |      |       |        |
|-----|----|------|-------|------|------|------|------|-------|--------|
| -20 | -4 | 1448 | 4942  | 1246 | 1.13 | 3.85 | 1284 | 7.75  | 38.67  |
| -15 | 5  | 1861 | 6351  | 1601 | 1.27 | 4.35 | 1461 | 8.42  | 50.13  |
| -10 | 14 | 2339 | 7979  | 2011 | 1.43 | 4.88 | 1637 | 9.09  | 63.64  |
| -5  | 23 | 2894 | 9873  | 2489 | 1.59 | 5.43 | 1817 | 9.78  | 79.72  |
| 0   | 32 | 3540 | 12079 | 3045 | 1.76 | 6.02 | 2006 | 10.49 | 98.98  |
| 5   | 41 | 4292 | 14644 | 3691 | 1.95 | 6.64 | 2206 | 11.25 | 122.14 |
| 7.2 | 45 | 4660 | 15898 | 4007 | 2.03 | 6.92 | 2299 | 11.60 | 133.79 |