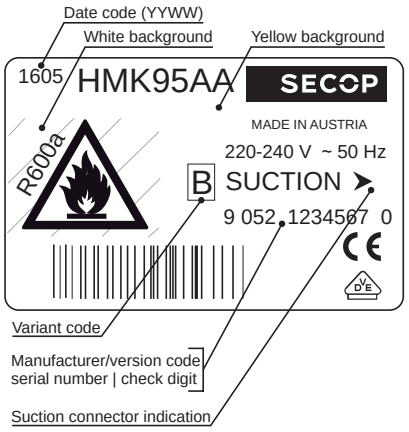
# HMK95AA
# KAPPA LBP Compressor
# High Efficiency
# R600a
# 220-240V 50Hz




**General**

| | |
|---|---|
| Code number | CDO00031 |
| Approvals | EN 60335-2-34 w. Annex AA |
| Compressors on pallet | 100 |

**Application**

| | | | |
|---|---|---|---|
| Application | | LBP | |
| Frequency | Hz | 50 | 60 |
| Evaporating temperature | °C | -35 to -5 | – |
| Voltage range | V | 187 to 264 | – |
| Max. condensing temperature continuous (short) | °C | 60 (70) | – |
| Max. winding temperature continuous (short) | °C | 130 (130) | – |

**Cooling requirements**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Frequency | Hz | 50 | | | 60 | | |
| Application | | LBP | MBP | HBP | LBP | MBP | HBP |
| 32°C | | S | – | – | – | – | – |
| 38°C | | S | – | – | – | – | – |
| 43°C | | S | – | – | – | – | – |
| Remarks on application: | | | | | | | |

S = Static cooling normally sufficient
O = Oil cooling
$F_1$ = Fan cooling 1.5 m/s (compressor compartment temperature equal to ambient temperature)
$F_2$ = Fan cooling 3.0 m/s necessary
SG = Suction gas cooling normally sufficent
– = not applicable in this area

**Motor**

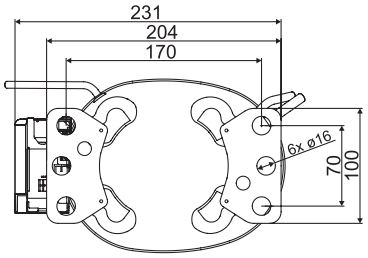
| | | | |
|---|---|---|---|
| Motor type | | RSIR | |
| LRA (rated after 4 sec. UL984), HST \| LST | A | – | 4.15 |
| Cut in Current, HST \| LST | A | – | 13.8 |
| Resistance, main \| start winding (25°C) | Ω | 22.9 | 17.2 |

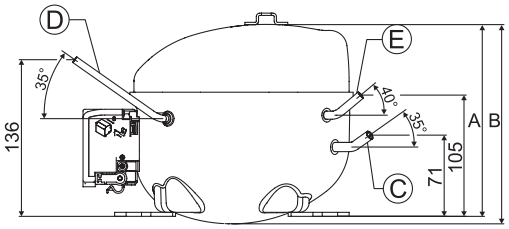
**Design**

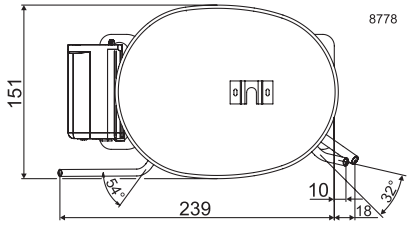
| | | |
|---|---|---|
| Displacement | $cm^3$ | 9.60 |
| Oil quantity (type) | $cm^3$ | 165 (mineral) |
| Maximum refrigerant charge | g | 150 |
| Free gas volume in compressor | $cm^3$ | 1500 |
| Weight without electrical equipment | kg | 7.90 |

**Dimensions**

| | | | |
|---|---|---|---|
| Height | mm | A | 159.0 |
| | | B | 165.5 |
| Suction connector | location/I.D. mm \| angle | C | 6.15 \| 35° |
| | material \| comment | | Copper \| Rubber plug |
| Process connector | location/O.D. mm \| angle | D | 6.00 \| 35° |
| | material \| comment | | Copper \| Rubber plug |
| Discharge connector | location/I.D. mm \| angle | E | 5.15 \| 40° |
| | material \| comment | | Copper \| Rubber plug |
| Oil cooler connector | location/I.D. mm \| angle | F | – |
| | material \| comment | | – |
| Connector tolerance | I.D. mm | | ±0.05 |
| Remarks: | | | |



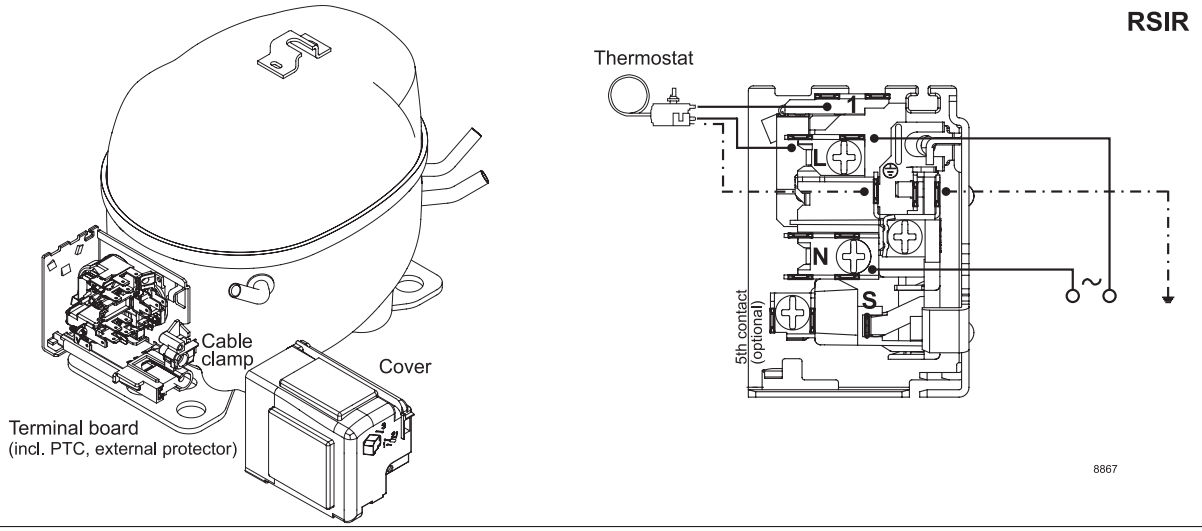
**EN 12900 Household** 220V, 50Hz, PTC consumption incl., static cooling

| Evap. temp. in °C | -45 | -40 | -35 | -30 | -25 | -23.3 | -20 | -15 | -10 | -6.7 | -5 | 0 | 5 | 7.2 | 10 | 15 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Capacity in W | | | 66.7 | 92.9 | 125 | 137 | 163 | 207 | 257 | 293 | 313 | | | | | | |
| Power cons. in W | | | 78.9 | 91.4 | 105 | 110 | 120 | 135 | 151 | 161 | 167 | | | | | | |
| Current cons. in A | | | 0.60 | 0.67 | 0.74 | 0.77 | 0.81 | 0.89 | 0.96 | 1.01 | 1.04 | | | | | | |
| COP in W/W | | | 0.85 | 1.02 | 1.19 | 1.25 | 1.36 | 1.54 | 1.71 | 1.82 | 1.88 | | | | | | |

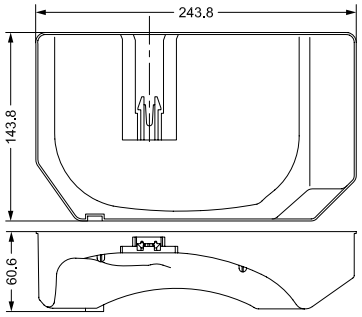
**ASHRAE LBP** 220V, 50Hz, PTC consumption incl., static cooling

| Evap. temp. in °C | -45 | -40 | -35 | -30 | -25 | -23.3 | -20 | -15 | -10 | -6.7 | -5 | 0 | 5 | 7.2 | 10 | 15 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Capacity in W | | | 81.0 | 113 | 152 | 167 | 199 | 252 | 313 | 357 | 381 | | | | | | |
| Power cons. in W | | | 78.6 | 91.0 | 104 | 109 | 119 | 134 | 149 | 160 | 165 | | | | | | |
| Current cons. in A | | | 0.60 | 0.67 | 0.74 | 0.76 | 0.81 | 0.88 | 0.96 | 1.01 | 1.03 | | | | | | |
| COP in W/W | | | 1.03 | 1.24 | 1.46 | 1.53 | 1.67 | 1.88 | 2.10 | 2.24 | 2.31 | | | | | | |

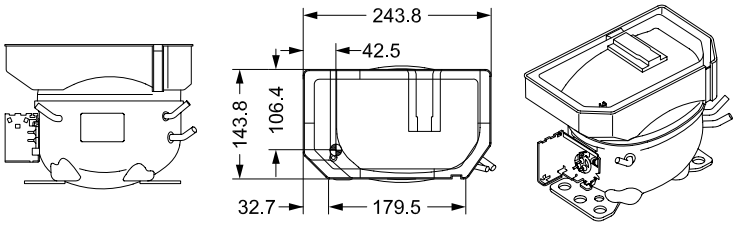
**RSIR**




## Dimension of evaporation tray




## Outline dimensions with plastic evaporation tray




| Accessories for HMK95AA | Code number |
|---|---|
| Terminal board 4.8 mm or 6.3 mm spade connectors (incl. PTC and external protector) | ZAF5 / DAF5 |
| Motor Protector AE 18 FU x | F5 |
| Cable clamp (screws not included) | 113410_ |
| Cover | 157595_ |
| Evaporation tray (optional) | 113188_ |

| Test conditions | EN 12900 Household | ASHRAE LBP |
|---|---|---|
| Condensing temperature | 55°C | 54.4°C |
| Ambient temperature | 32°C | 32.2°C |
| Suction gas temperature | 32°C | 32.2°C |
| Liquid temperature | no subcooling | 32.2°C |

| **All-in-one equipment**, e.g. **4ZN** | Code number |
|---|---|
| Cover / cable clamp + screws / earthing screw | 16168000 |

| Mounting accessories | Code number |
|---|---|
| on request, various options available | |

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