

Mbsm.pro, 104L2120, DANFOSS, REFRIGERATION, Reciprocating, compressor, SC18CM, 3/4 hp, lbp, r22, 220v/50hz/1ph

Category: compressor

written by Lilianne | 10 March 2024



Refrigerants: R22, Usage segment: Refrigeration LT

Gross weight

13.98 Kg

Net weight

13.98 Kg

Oil

AB

Amps locked rotor HST [A]

18.6 To

Applications

LBP

Approval standard

CE en 60335-2-34 with Annex
AA

| | |
|---|--------------------------|
| Auxiliary winding resistance (start winding) for single-phase compressors [Ohm] | 14.1 Ohm |
| Oil quantity [cm3] | 600 cm3 |
| Capacity control | Fixed speed |
| Refrigerant charge [kg] [Max] | 1.3 kg |
| Color | Black |
| Cut-in current HST [A] | 18.6 To |
| Configuration code | Individual |
| Description | Compressor SC18CM, 240 V |
| Description | SC |
| Designation | Compressor |
| Packaging format | Industrial package |
| Material of the discharge connection | Steel-plated Cu |
| Material of the process connection | Steel-plated Cu |
| N. ° of phases (fan) | One |
| Energy level of the application | Compressor LBP standard |
| Model number | SC18CM |
| Refrigerants | R22 |
| Resistance of the primary winding for compressors in single-phase [Ohm] | 3.7 Ohm |
| Run capacitor capacitance | 10 µF |
| Start capacitor capacitance | 80 µF |
| Swept volume [cm3] | 17.69 cm3 |
| Technology | Alternative |
| Temperature of the winding, the short-term [°C] [Max] | 140 °C |
| Winding temperature, stable [°C] [Max] | 130 °C |
| Voltage, 50 Hz [V] | 220 V |
| Voltage, 50 Hz [V] [max.] | 220 V |
| Engine type | CSR |
| Type of motherboard | Universal |
| Technique of the brand | Compressor alternative |
| Units of packing | Eighty |
| Use of segment | Refrigeration LT |
| Volume of free gas [cm3] | 1510 cm3 |



R12
LBP

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|-------|----------|----------|--|-----|-----|-----|-----|-----|--|--|-----|--|-------|
| NL7A | 105F3707 | | | 85 | 146 | 237 | 295 | | | | 157 | | 7.3 |
| FR10A | 103U2904 | 103U2914 | | 85 | 158 | 255 | 315 | | | | 180 | | 9.05 |
| FR11A | 103U2104 | 103U2114 | | 110 | 205 | 335 | 415 | | | | 245 | | 11.15 |
| SC12A | 104L2660 | 104L2680 | | 95 | 230 | 395 | 495 | 600 | | | 260 | | 12.9 |
| SC15A | 104L2820 | 104L2810 | | 130 | 275 | 485 | 600 | 725 | | | 305 | | 15.3 |
| SC18A | 104L2100 | | | 170 | 340 | 575 | 715 | 860 | | | 365 | | 17.7 |
| SC21A | 104L2300 | | | 220 | 400 | 660 | 820 | 980 | | | 455 | | 20.95 |

R12
LBP

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|---------|----------|----------|--|----|-----|-----|-----|--|--|--|-----|--|------|
| TFS3AT | 102U2083 | | | 32 | 60 | 98 | 120 | | | | 80 | | 3.13 |
| TFS4AT | 102U2081 | | | 42 | 79 | 128 | 160 | | | | 95 | | 3.86 |
| TFS5AT | 102U2080 | | | 62 | 104 | 175 | 215 | | | | 125 | | 5.08 |
| FF7.5AT | 103U2750 | | | 65 | 132 | 220 | 280 | | | | 147 | | 6.93 |
| FF7.5AT | | 103U2760 | | 65 | 132 | 220 | 280 | | | | 147 | | 6.93 |
| FF8.5AT | 103U2850 | | | 77 | 152 | 255 | 315 | | | | 169 | | 7.95 |
| FF8.5AT | | 103U2860 | | 77 | 152 | 255 | 315 | | | | 169 | | 7.95 |
| FF10AT | 103U2950 | | | 86 | 165 | 275 | 350 | | | | 190 | | 9.05 |

R22
LBP

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|-------------|----------|--|--|-----|-----|------|------|------|------|--|------|--|--------|
| SC10C | 104L2516 | | | 50 | 155 | 325 | 560 | 700 | 850 | | 300 | | 10.3 |
| SC12C | 104L2674 | | | 95 | 220 | 415 | 680 | 840 | 1020 | | 380 | | 12.9 |
| SC15CM | 104L2848 | | | 115 | 270 | 510 | 840 | 1050 | 1280 | | 470 | | 15.3 |
| SC18CM | 104L2120 | | | 130 | 310 | 585 | 980 | 1230 | 1500 | | 510 | | 17.7 |
| SC10/10C * | 104L4076 | | | 100 | 310 | 650 | 1120 | 1400 | 1700 | | 600 | | 2x10.3 |
| SC12/12C * | 104L4077 | | | 190 | 440 | 830 | 1360 | 1680 | 2040 | | 760 | | 2x12.9 |
| SC15/15CM * | 104L4079 | | | 230 | 540 | 1020 | 1680 | 2100 | 2560 | | 940 | | 2x15.3 |
| SC18/18CM** | 104L4081 | | | 260 | 620 | 1170 | 1960 | 2460 | 3000 | | 1020 | | 2x17.7 |

R502
LBP

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|-------------|----------|--|--|-----|-----|------|------|------|------|--|------|--|--------|
| SC10C | 104L2516 | | | 80 | 215 | 365 | 590 | 710 | 870 | | 335 | | 10.3 |
| SC12C | 104L2674 | | | 110 | 270 | 470 | 770 | 950 | 1140 | | 420 | | 12.9 |
| SC15CM | 104L2848 | | | 150 | 325 | 590 | 920 | 1120 | 1390 | | 535 | | 15.3 |
| SC18CM | 104L2120 | | | 180 | 400 | 685 | 1080 | 1330 | 1600 | | 580 | | 17.7 |
| SC10/10C * | 104L4076 | | | 160 | 230 | 730 | 1180 | 1420 | 1740 | | 670 | | 2x10.3 |
| SC12/12C * | 104L4077 | | | 220 | 540 | 940 | 1540 | 1900 | 2280 | | 840 | | 2x12.9 |
| SC15/15CM * | 104L4079 | | | 300 | 650 | 1180 | 1840 | 2240 | 2780 | | 1070 | | 2x15.3 |
| SC18/18CM** | 104L4081 | | | 360 | 800 | 1370 | 2160 | 2660 | 3200 | | 1160 | | 2x17.7 |

R12

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|--------|----------|----------|--|----|-----|-----|-----|-----|-----|-----|--|-----|------|
| TL2.5B | 102U2021 | | | 20 | 45 | 80 | 102 | 126 | 182 | 248 | | 112 | 2.61 |
| TL3B | 102U2023 | | | 27 | 56 | 96 | 120 | 148 | 215 | 296 | | 141 | 3.13 |
| TL4B | 102U2016 | | | 39 | 73 | 116 | 145 | 182 | 264 | 364 | | 157 | 3.86 |
| FR6B | 103U2654 | | | 55 | 110 | 190 | 235 | 295 | 438 | 620 | | 243 | 6.24 |
| FR7.5B | 103U2754 | 103U2764 | | 65 | 127 | 210 | 275 | 340 | 495 | 695 | | 280 | 6.93 |
| FR8.5B | 103U2854 | 103U2864 | | 72 | 146 | 240 | 300 | 375 | 555 | 770 | | 326 | 7.95 |
| FR10B | 103U2954 | 103U2964 | | 85 | 158 | 268 | 340 | 420 | 620 | 860 | | 375 | 9.05 |



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