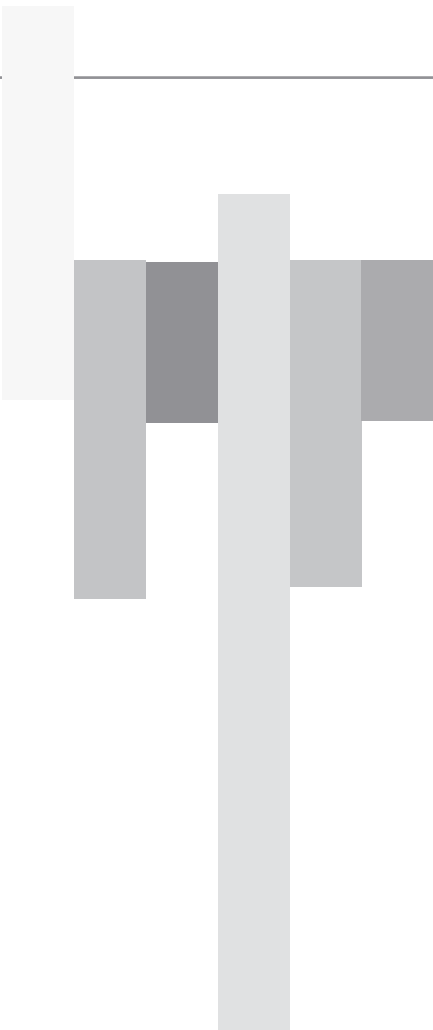


R22

2. Compressors Catalogue



R22

HMBP | HBP

50 Hz

| MODEL | DISPLACEMENT cm ³ | POWER hp | APPLICATION | COOLING | VOLTAGE FREQUENCY | MOTOR | STARTING | EXPANSION | REFRIGERATION CAPACITY °C | | | | | | | | WEIGHT Kg | DESIGN |
|--------|---------------------------------|-------------|-------------|---------|-------------------------|-------|----------|-----------|---|------|------|------|--------|--------|------|------|--------------|--------|
| | | | | | | | | | COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C | | | | | | | | | |
| | | | | | | | | | Cecomaf (W) | | | | Ashrae | | | | | |
| | | | | | | | | | 5 | | | | 7,2 | | | | | |
| | | | | | | | | | -20 | -15 | W | COP | 10 | Kcal/h | COP | | | |
| L40TNa | 4.05 | 1/6 | HMBP | F | 220-240V 50Hz ~1 | RSIR | R | C | 150 | 195 | 458 | 1.68 | 545 | 460 | 1.91 | 9.5 | Lc | |
| L40TNb | 4.05 | 1/6 | HMBP | F | 220-240V 50Hz ~1 | CSIR | R | C-V | 150 | 195 | 458 | 1.68 | 545 | 460 | 1.91 | 9.5 | Lc | |
| L40TN | 4.05 | 1/6 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 150 | 195 | 458 | 1.70 | 545 | 460 | 1.91 | 9.5 | Lc | |
| L45TN | 4.50 | 1/5 | HMBP | F | 220-240V 50Hz ~1 | CSIR | R | C-V | 157 | 206 | 497 | 1.68 | 593 | 500 | 1.91 | 9.5 | Lc | |
| L45TN | 4.50 | 1/5 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 170 | 217 | 516 | 1.72 | 619 | 520 | 1.95 | 9.5 | Lc | |
| L57TNa | 5.68 | 1/5 | HMBP | F | 220-240V 50Hz ~1 | RSIR | R | C | 194 | 255 | 612 | 1.72 | 729 | 615 | 1.93 | 9.5 | Lc | |
| L57TNb | 5.68 | 1/5 | HMBP | F | 220-240V 50Hz ~1 | CSIR | R | C-V | 194 | 255 | 612 | 1.72 | 729 | 615 | 1.93 | 9.5 | Lc | |
| L57TN | 5.68 | 1/5 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 203 | 262 | 626 | 1.76 | 748 | 630 | 1.98 | 9.5 | Lc | |
| L76TN | 7.57 | 3/8 | HMBP | F | 220-240V 50Hz ~1 | CSIR | R | C-V | 269 | 348 | 816 | 1.72 | 971 | 820 | 1.95 | 10.0 | Ld | |
| L76TN | 7.57 | 3/8 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 273 | 348 | 833 | 1.80 | 1000 | 840 | 2.04 | 10.0 | Ld | |
| L88TN | 8.86 | 3/8 | HMBP | F | 220-240V 50Hz ~1 | CSIR | R | C-V | 323 | 416 | 975 | 1.74 | 1161 | 980 | 1.97 | 10.6 | Ld | |
| L88TN | 8.86 | 3/8 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 323 | 416 | 975 | 1.75 | 1161 | 980 | 1.97 | 10.6 | Ld | |
| P12TN | 12.05 | 1/2 | HMBP | F | 220-240V 50Hz ~1 | CSR | R | C-V | 412 | 537 | 1312 | 2.00 | 1574 | 1323 | 2.26 | 12.3 | Pd | |
| X16TN | 16.03 | 5/8 | HBP | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 565 | 765 | 1785 | 2.04 | 2094 | 1782 | 2.30 | 17.8 | Xd | |
| X18TN | 18.40 | 3/4 | HBP | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 662 | 895 | 2079 | 2.11 | 2438 | 2075 | 2.40 | 17.8 | Xd | |
| S18TN | 18.10 | 3/4 | HMBP | F | 220-240V 50Hz ~1 | CSR | R | C-V | 555 | 755 | 2022 | 2.16 | 2454 | 2050 | 2.46 | 21.8 | Sc | |
| S18TN | 18.10 | 3/4 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 555 | 755 | 2022 | 2.09 | 2454 | 2050 | 2.38 | 21.8 | Sc | |
| S22TN | 21.77 | 7/8 | HMBP | F | 220-240V 50Hz ~1 | CSR | R | C-V | 646 | 890 | 2460 | 2.28 | 3001 | 2500 | 2.60 | 22.7 | Sc | |
| S26TN | 25.93 | 1 | HMBP | F | 220-240V 50Hz ~1 | CSR | R | C-V | 857 | 1183 | 3027 | 2.20 | 3623 | 3051 | 2.50 | 22.7 | Sd | |

R22

HMBP | HBP

60 Hz

| MODEL | DISPLACEMENT cm ³ | POWER hp | APPLICATION | COOLING | VOLTAGE FREQUENCY | MOTOR | STARTING | EXPANSION | REFRIGERATION CAPACITY °C | | | | | | | | WEIGHT Kg | DESIGN |
|-------|---------------------------------|-------------|-------------|---------|-------------------------|-------|----------|-----------|---|------|------|------|--------|--------|------|------|--------------|--------|
| | | | | | | | | | COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C | | | | | | | | | |
| | | | | | | | | | Cecomaf (W) | | | | Ashrae | | | | | |
| | | | | | | | | | 5 | | | | 7,2 | | | | | |
| | | | | | | | | | -20 | -15 | W | COP | 10 | Kcal/h | COP | | | |
| L40TN | 4.05 | 1/6 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 180 | 233 | 550 | 1.67 | 654 | 552 | 1.89 | 9.5 | Lc | |
| L45TN | 4.50 | 1/5 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 204 | 260 | 619 | 1.69 | 742 | 624 | 1.91 | 9.5 | Lc | |
| L57TN | 5.68 | 1/5 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 243 | 315 | 751 | 1.70 | 898 | 756 | 1.91 | 9.5 | Lc | |
| L76TN | 7.57 | 3/8 | HMBP | F | 115-127V 60Hz ~1 | CSIR | R | C-V | 327 | 418 | 1000 | 1.79 | 1200 | 1008 | 2.02 | 10.2 | Ld | |
| L76TN | 7.57 | 3/8 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 327 | 418 | 1000 | 1.79 | 1200 | 1008 | 2.02 | 10.0 | Ld | |
| L88TN | 8.86 | 3/8 | HMBP | F | 115-127V 60Hz ~1 | CSIR | R | C-V | 387 | 499 | 1170 | 1.69 | 1394 | 1176 | 1.90 | 10.6 | Ld | |
| L88TN | 8.86 | 3/8 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSIR | R | C-V | 387 | 499 | 1170 | 1.69 | 1394 | 1176 | 1.90 | 10.6 | Ld | |
| P12TN | 12.05 | 1/2 | HMBP | F | 115V 60Hz ~1 | CSR | R | C-V | 494 | 644 | 1575 | 1.94 | 1890 | 1588 | 2.20 | 12.0 | Pd | |
| P12TN | 12.05 | 1/2 | HBP | F | 115-127V 60Hz ~1 | CSR | R | C-V | 645 | 377 | 1394 | 1.82 | 2169 | 1588 | 2.20 | 12.0 | Pd | |
| P12TN | 12.05 | 1/2 | HMBP | F | 230V 60Hz ~1 | CSR | R | C-V | 494 | 644 | 1575 | 1.95 | 1890 | 1588 | 2.23 | 12.3 | Pd | |
| X16TN | 16.03 | 5/8 | HBP | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 668 | 905 | 2085 | 2.0 | 2437 | 2078 | 2.25 | 17.8 | Xd | |
| X18TN | 18.40 | 3/4 | HBP | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 786 | 1056 | 2426 | 2.12 | 2840 | 2420 | 2.41 | 17.8 | Xd | |
| S18TN | 18.10 | 3/4 | HMBP | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 666 | 906 | 2426 | 2.01 | 2945 | 2460 | 2.29 | 21.8 | Sc | |
| S26TN | 25.93 | 1 | HMBP | F | 230V 60Hz ~1 | CSR | R | C-V | 1028 | 1419 | 3633 | 2.12 | 4348 | 3661 | 2.36 | 22.7 | Sd | |

R22: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal /h

R22

SPECIAL

60 Hz

| MODEL | DISPLACEMENT cm ³ | POWER hp | APPLICATION | COOLING | VOLTAGE FREQUENCY | MOTOR | STARTING | EXPANSION | REFRIGERATION CAPACITY °C | | | | | | | | WEIGHT Kg | DESIGN |
|--------|---------------------------------|-------------|-------------|---------|----------------------|-------|----------|-----------|--|-----|------|------|--------|------|------|------|--------------|--------|
| | | | | | | | | | COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C | | | | | | | | | |
| | | | | | | | | | Cecomaf (W) | | | | Ashrae | | | | | |
| | | | | | | | | | -20 | -15 | 5 | | 10 | 7,2 | | | | |
| W | COP | Kcal/h | COP | | | | | | | | | | | | | | | |
| RL90TE | 9.09 | 3/8 | HMBP | F | 100/115V 50/60Hz ~1 | CSIR | R | C | 527 | 666 | 1470 | 1.72 | 1732 | 1470 | 1.93 | 10.8 | Ld | |
| RL90TG | 9.09 | 3/8 | HMBP | F | 220-240V 50/60Hz ~1 | CSIR | R | C | 527 | 666 | 1470 | 1.93 | 1732 | 1470 | 2.16 | 10.8 | Ld | |

R22

AC

50 Hz

| MODEL | DISPLACEMENT cm ³ | POWER hp | APPLICATION | COOLING | VOLTAGE FREQUENCY | MOTOR | STARTING | EXPANSION | REFRIGERATION CAPACITY °C | | | | | | | | WEIGHT Kg | DESIGN |
|--------|---------------------------------|-------------|-------------|---------|-------------------------|-------|----------|-----------|--|------|------|------|--------|------|------|------|--------------|--------|
| | | | | | | | | | COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C | | | | | | | | | |
| | | | | | | | | | Cecomaf (W) | | | | Ashrae | | | | | |
| | | | | | | | | | -10 | -5 | 5 | | 10 | 7,2 | | | | |
| W | COP | Kcal/h | COP | | | | | | | | | | | | | | | |
| S22UNa | 21.77 | 1 | AC | F | 220-240V 50Hz ~1 | CSR | R | C-V | 1088 | 1475 | 2397 | 2.06 | 2932 | 2440 | 2.36 | 20.5 | Sc | |
| S22UNa | 21.77 | 1 | AC | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 1088 | 1475 | 2397 | 2.11 | 2932 | 2440 | 2.43 | 20.5 | Sc | |
| S22UNb | 21.77 | 1 | AC | F | 220-240V 50Hz ~1 | PSC | R | C | 1088 | 1475 | 2397 | 2.06 | 2932 | 2440 | 2.36 | 20.5 | Sc | |
| S22UNb | 21.77 | 1 | AC | F | 200-220/230V 50/60Hz ~1 | PSC | R | C | 1088 | 1475 | 2397 | 2.11 | 2932 | 2440 | 2.43 | 20.5 | Sc | |
| S26UNa | 26.16 | 1 1/4 | AC | F | 220-240V 50Hz ~1 | CSR | R | C-V | 1551 | 2005 | 3128 | 2.21 | 3796 | 3172 | 2.54 | 20.5 | Sc | |
| S26UNa | 26.16 | 1 1/4 | AC | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 1551 | 2005 | 3128 | 2.18 | 3796 | 3172 | 2.49 | 20.5 | Sc | |
| S26UNb | 26.16 | 1 1/4 | AC | F | 220-240V 50Hz ~1 | PSC | R | C | 1551 | 2005 | 3128 | 2.21 | 3796 | 3172 | 2.54 | 20.5 | Sc | |
| S26UNb | 26.16 | 1 1/4 | AC | F | 200-220/230V 50/60Hz ~1 | PSC | R | C | 1551 | 2005 | 3128 | 2.18 | 3796 | 3172 | 2.49 | 20.5 | Sc | |
| S30UNa | 29.95 | 1 3/8 | AC | F | 220-240V 50Hz ~1 | CSR | R | C-V | 1751 | 2207 | 3474 | 2.20 | 4284 | 3546 | 2.54 | 22.7 | Sd | |
| S30UNb | 29.95 | 1 3/8 | AC | F | 220-240V 50Hz ~1 | PSC | R | C | 1751 | 2207 | 3474 | 2.20 | 4284 | 3546 | 2.54 | 22.7 | Sd | |
| S34UNa | 34.42 | 1 5/8 | AC | F | 220-240V 50Hz ~1 | CSR | R | C-V | 2231 | 2771 | 4160 | 2.15 | 5009 | 4201 | 2.44 | 22.7 | Sd | |
| S34UNb | 34.42 | 1 5/8 | AC | F | 220-240V 50Hz ~1 | PSC | R | C | 2231 | 2771 | 4160 | 2.15 | 5009 | 4201 | 2.44 | 22.7 | Sd | |

R22

AC

60 Hz

| MODEL | DISPLACEMENT cm ³ | POWER hp | APPLICATION | COOLING | VOLTAGE FREQUENCY | MOTOR | STARTING | EXPANSION | REFRIGERATION CAPACITY °C | | | | | | | | WEIGHT Kg | DESIGN |
|--------|---------------------------------|-------------|-------------|---------|-------------------------|-------|----------|-----------|--|------|------|------|--------|------|------|------|--------------|--------|
| | | | | | | | | | COP in W/W 1 W = 0,864 kcal/h = 3,415 BTU/h Evaporating Temperature °C | | | | | | | | | |
| | | | | | | | | | Cecomaf (W) | | | | Ashrae | | | | | |
| | | | | | | | | | -10 | -5 | 5 | | 10 | 7,2 | | | | |
| W | COP | Kcal/h | COP | | | | | | | | | | | | | | | |
| S19UNa | 18.64 | 7/8 | AC | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 1099 | 1493 | 2475 | 2.2 | 3062 | 2532 | 2.54 | 20.4 | Sc | |
| S19UNb | 18.64 | 7/8 | AC | F | 200-220/230V 50/60Hz ~1 | PSC | R | C | 1099 | 1493 | 2475 | 2.2 | 3062 | 2532 | 2.54 | 20.4 | Sc | |
| S22UNa | 21.77 | 1 | AC | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 1306 | 1770 | 2877 | 2.11 | 3518 | 2929 | 2.42 | 20.5 | Sc | |
| S22UNb | 21.77 | 1 | AC | F | 200-220/230V 50/60Hz ~1 | PSC | R | C | 1306 | 1770 | 2877 | 2.11 | 3518 | 2929 | 2.42 | 20.5 | Sc | |
| S24UNa | 23.95 | 1 1/8 | AC | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 1623 | 2165 | 3387 | 2.23 | 4068 | 3421 | 2.52 | 20.5 | Sc | |
| S24UNb | 23.95 | 1 1/8 | AC | F | 200-220/230V 50/60Hz ~1 | PSC | R | C | 1623 | 2165 | 3387 | 2.23 | 4068 | 3421 | 2.52 | 20.5 | Sc | |
| S26UNa | 26.16 | 1 1/4 | AC | F | 208-230V 60Hz ~1 | CSR | R | C-V | 1860 | 2401 | 3750 | 2.16 | 4557 | 3805 | 2.46 | 20.5 | Sc | |
| S26UNa | 26.16 | 1 1/4 | AC | F | 200-220/230V 50/60Hz ~1 | CSR | R | C-V | 1862 | 2407 | 3753 | 2.21 | 4553 | 3805 | 2.53 | 20.5 | Sc | |
| S26UNb | 26.16 | 1 1/4 | AC | F | 208-230V 60Hz ~1 | PSC | R | C | 1860 | 2401 | 3750 | 2.16 | 4557 | 3805 | 2.46 | 20.5 | Sc | |
| S26UNb | 26.16 | 1 1/4 | AC | F | 200-220/230V 50/60Hz ~1 | PSC | R | C | 1862 | 2407 | 3753 | 2.21 | 4553 | 3805 | 2.53 | 20.5 | Sc | |

R22: W (C) x 0.94 = kcal/h (D)

W x 0.86 = kcal / h

| Testing cycle conditions | CECOMAF | | ASHRAE | |
|--------------------------|---------|----------|---------|----------|
| | LBP (A) | HMBP (C) | LBP (B) | HMBP (D) |
| Condensing temperature | | 55 | 55 | 55 |
| Liquid temperature | | 55 | 32 | 46 |
| Suction temperature | | 32 | 32 | 35 |

| F | OC | S | C | V | P | R |
|------------|------------|--------|-------------------|-----------------|-----|-------|
| Fan cooled | Oil cooler | Static | Capillar and tube | Expansion valve | PTC | Relay |

S compressor's ranges can be provided with tube or valve

