

| SONZAI Y2022 | | | | | | |
|--|--|-----------------------|----------------------|----------------------|-----------------------|-----------------------|
| MODEL INDOOR UNIT | | THN-A28SZ | THN-A38SZ | THN-A58SZ | THN-A71SZ | |
| MODEL OUTDOOR UNIT | | THG-A28SZ | THG-A38SZ | THG-A58SZ | THG-A71SZ | |
| In replacement of | | | | | | |
| TYPE | | ASW-H0985C4/HARDI9-C3 | ASW-H123C4/HARDI8-B8 | ASW-H158D4/HARDI6-C0 | ASW-H2477A4/HARDI9-B9 | |
| DESIGN LOAD (Pdesign) | | | | | | |
| Pdesignic | | kW | 2.7 | 3.5 | 5.3 | 6.7 |
| Pdesigngh (Average Zone) | | kW | 2.7 | 2.7 | 4.4 | 5.7 |
| Pdesigngh (Warmer Zone) | | kW | 3.4 | 3.4 | 5.0 | 7.0 |
| COOLING* | CAPACITY | Btu/h | 9,212 | 11,942 | 18,084 | 24,908 |
| | | kW | 2.70 | 3.50 | 5.30 | 7.30 |
| | RANGE CAPACITY | Btu/h Min. | 2047 - 12966 | 2730 - 13989 | 4436 - 20131 | 6142 - 25249 |
| | | kW Min. | 0.6 - 3.80 | 0.8 - 4.10 | 1.3 - 5.90 | 1.8 - 7.40 |
| HEATING* | CAPACITY | Btu/h | 10236 | 12,966 | 19,107 | 24,908 |
| | | kW | 3.00 | 3.80 | 5.60 | 7.30 |
| | RANGE CAPACITY | Btu/h Min. | 2730 - 14330 | 3412 - 14330 | 4436 - 20473 | 6142 - 27296 |
| | | kW Min. | 0.80 - 4.20 | 1.00 - 4.20 | 1.30 - 6.00 | 1.80 - 8.00 |
| SEASONAL EFFICIENCY | | | | | | |
| COOLING | SEER | | 6.4 | 6.2 | 7.0 | 6.5 |
| | Cooling Energy Class | | A++ | A++ | A++ | A++ |
| HEATING | SCOP Average Zone | | 4.0 | 4.0 | 4.2 | 4.1 |
| | Energy Class Average Zone | | A+ | A+ | A+ | A+ |
| | SCOP Warmer Zone | | 5.2 | 5.2 | 5.3 | 5.3 |
| | Energy Class Warmer Zone | | A+++ | A+++ | A+++ | A+++ |
| ELECTRICAL DATA | | | | | | |
| PHASE-VOLTAGE-FREQUENCY | | Ph-V-Hz | 1-220-240V-50 | 1-220-240V-50 | 1-220-240V-50 | 1-220-240V-50 |
| COOLING | ANNUAL ELECTRICITY CONSUMPTION (Q ₂₄) | kWh/a | 148 | 198 | 265 | 359 |
| | ANNUAL ELECTRICITY CONSUMPTION Average Zone (Q ₂₄) | kWh/a | 938 | 938 | 1470 | 1950 |
| HEATING Pdesigngh | ANNUAL ELECTRICITY CONSUMPTION Average Zone (Q ₂₄) | kWh/a | 917 | 914 | 1321 | 1859 |
| | ANNUAL ELECTRICITY CONSUMPTION Warmer Zone (Q ₂₄) | kWh/a | 0.0005 | 0.0004 | 0.0004 | 0.0006 |
| PERFORMANCES | | | | | | |
| HUMIDITY REMOVAL | | l/h | 1.0 | 1.0 | 1.4 | 2.5 |
| AIR FLOW VOLUME (Turbo/H/M/La) | | m ³ /h | 600/350/300/400/NA | 600/350/300/400/NA | 850/730/650/550/NA | 1300/1150/1010/870/NA |
| SOUND POWER LEVEL OF INDOOR UNIT (SH/H/Mb/M/MLa/La/SLa) | | dB(A) | 54/51/47/42/35 | 53/51/47/42/35 | 57/54/51/47/37 | 63/56/54/48/41 |
| SOUND PRESSURE LEVEL OF INDOOR UNIT (SH/H/Mb/M/MLa/La/SLa) | | dB(A) | 41/38/34/30/22 | 41/38/34/30/22 | 45/42/38/34/24 | 48/44/42/36/28 |
| SOUND POWER LEVEL OF OUTDOOR UNIT (H) | | dB(A) | 61 | 62 | 62 | 66 |
| SOUND PRESSURE LEVEL OF OUTDOOR UNIT (H) | | dB(A) | 50 | 50 | 51 | 52 |
| DIMENSIONS AND WEIGHT | | | | | | |
| INDOOR UNIT | PRODUCT DIMENSIONS (W*H*D) | mm | 786*292*198 | 786*292*198 | 969*316*224 | 1121*329*231 |
| | PACKING DIMENSIONS (W*H*D) | mm | 852*356*276 | 852*356*276 | 1010*385*310 | 1202*400*317 |
| | Net/Gross WEIGHT | Kg | 8.5/10.5 | 8.5/10.5 | 11.5/13.5 | 14/16 |
| OUTDOOR UNIT | PRODUCT DIMENSIONS (W*H*D) | mm | 705*530*279 | 705*530*279 | 785*555*300 | 900*709*350 |
| | PACKING DIMENSIONS (W*H*D) | mm | 825*595*326 | 825*595*326 | 888*590*367 | 1020*770*430 |
| | Net/Gross WEIGHT | Kg | 22.5/26.5 | 22.5/26.5 | 28/32 | 39/43 |
| OUTDOOR UNIT | | | Metallic | Metallic | Metallic | Metallic |
| CONNECTION PIPE SIZE | | | | | | |
| PIPING SIZE mm (inch) | Liquid | mm (inch) | 6.35(1/4") | 6.35(1/4") | 6.35(1/4") | 6.35(1/4") |
| | Gas | mm (inch) | 9.52(3/8") | 9.52(3/8") | 12.7(1/2") | 15.88(5/8") |
| | Maximum pipe length | m | 20 | 20 | 25 | 25 |
| | Maximum pipe height | m | 10 | 10 | 15 | 15 |
| GENERAL SPECIFICATIONS | | | | | | |
| INVERTER FUNCTION | | | YES | YES | YES | YES |
| Operation Temperature limit | | Cooling | 16-49 | 16-49 | 16-49 | 16-49 |
| | | Heating | -15-30 | -15-30 | -15-30 | -15-30 |
| REFRIGERANT | | | R32 | R32 | R32 | R32 |
| Refrigerant Charge | | g | 560 | 560 | 1030 | 1300 |
| CO ₂ EQUIVALENT | | Tonnes | 0.38 | 0.38 | 0.70 | 0.88 |
| ICNIZER | | | YES | YES | YES | YES |
| WI-FI PREINSTALLED | | | YES | YES | YES | YES |
| FILTERS | | | | | | |
| "I-FEEL" FUNCTION | | | YES | YES | YES | YES |
| "SP" FUNCTION "INTELLIGENT PREHEATING" | | | YES | YES | YES | YES |
| "TURBO" FUNCTION | | | YES | YES | YES | YES |
| "TIMER" FUNCTION | | | YES | YES | YES | YES |
| INTELLIGENT "DEFROST" | | | YES | YES | YES | YES |
| "SELF DIAGNOSIS SYSTEM" | | | YES | YES | YES | YES |
| "TURBOHUMIDIFICATION" FUNCTION | | | YES | YES | YES | YES |
| "AUTO RESTART" FUNCTION | | | YES | YES | YES | YES |
| "SELF CLEAN" FUNCTION Anti-F | | | YES | YES | YES | YES |
| "STERILIZATION" FUNCTION i-CLEAN 56cc | | | YES | YES | YES | YES |
| "SMOOTH START" FUNCTION | | | YES | YES | YES | YES |
| "ENERGY SAVING" FUNCTION | | | YES | YES | YES | YES |
| "8°C HEATING" FUNCTION | | | YES | YES | YES | YES |
| "FANSPEED" FUNCTION | | | YES | YES | YES | YES |
| "LOCK" FUNCTION | | | YES | YES | YES | YES |
| "VERTICAL" AUTO SWING (up/down) | | | YES | YES | YES | YES |
| "HORIZONTAL" AUTO SWING (left/right) | | | YES | YES | YES | YES |
| "SILENCE" FUNCTION | | | YES | YES | YES | YES |
| "DISPLAY" FUNCTION | | | YES | YES | YES | YES |
| "SLEEP" FUNCTION | | | YES | YES | YES | YES |
| "VOICE CONTROL" | | | YES | YES | YES | YES |
| CONNECTION WITH WIRED CONTROLLER | | | NO | NO | NO | NO |
| VALVE COVER | | | YES | YES | YES | YES |
| "RC HOLDER" | | | YES | YES | YES | YES |
| "BACK LIGHT (REMOTE CONTROLLER)" | | | YES | YES | YES | YES |
| "ANTI-CORROSION PROTECTION "BLUE FINES" | | | YES | YES | YES | YES |
| "LOUVER MEMORY POSITION" | | | YES | YES | YES | YES |
| COUNTRY OF ORIGIN | | | CHINA | CHINA | CHINA | CHINA |
| Bar Code Indoor Unit | | | 520502020530 | 520502020554 | 520502020578 | 520502020592 |
| Bar Code Outdoor Unit | | | 520502020547 | 520502020561 | 520502020585 | 520502020608 |
| Application area | | | 11-18 | 14-23 | 22-35 | 30-49 |

HARMONISED STANDARD: EN14511:2007, EN12102*
GLOBAL WARMING POTENTIAL (GWP) 675

| | | | | | |
|------------------------------|-----|---------------|---------------|---------------|------------|
| Refrigerant charge (kg) | | 0.56 | 0.56 | 1.03 | 1.3 |
| GWP | | 675 | 675 | 675 | 675 |
| CO ₂ equivalent | | 0.378 | 0.378 | 0.6925 | 0.8775 |
| Κωδικός Είσεως In | | | | | |
| Κωδικός Είσεως Out | | | | | |
| Κωδικός Σ.Ε.Τ | | | | | |
| Factory Model Name | | | | | |
| Factory Code | | / | / | / | / |
| Remote Controller | | T121E | T121E | T121E | T121E |
| Wired Controller (optional) | | | | | |
| Door Card (προαιρετικά) | | | | | |
| Gas Additional Charge | g/m | | | | |
| Cooling Power Input | W | 2700 | 3500 | 5300 | 7300 |
| Min. Cooling Power Input | W | 800 | 1075 | 1580 | 2200 |
| Max. Cooling Power Input | W | 100 | 100 | 290 | 230 |
| Heating Power Input | W | 1600 | 1600 | 2100 | 2760 |
| Min. Heating Power Input | W | 3000 | 3800 | 5600 | 7300 |
| Max. Heating Power Input | W | 825 | 1050 | 1550 | 2010 |
| Cooling Current | A | 300 | 300 | 250 | 230 |
| Heating Current | A | 1600 | 1600 | 1800 | 2530 |
| Rated Input | W | 3.8 (0.7-7.8) | 5.1 (0.7-7.8) | 7.5 (2.2-9.3) | 10 (1-12) |
| Rated Current | A | 3.9 (1.5-8.0) | 5.0 (1.5-8.0) | 7.0 (2.0-8.0) | 9.1 (1-11) |
| Rated Heating Current | A | 800 / 850 | 1180 / 1100 | 1580 / 1550 | 2200 |
| Max. Over Current Protection | A | 3.8 | 5.1 | 7.5 | 10 |
| EER | | 3.9 | 5 | 7 | 9.1 |
| EER CLASS | | 9.5 | 9.5 | 12 | 16 |
| COP | | 3.38 | 3.26 | 3.35 | 3.32 |
| COP CLASS | | 3.64 | 3.62 | 3.61 | 3.63 |