



# TOSOT



## SINGLE-ZONE LOMO23 HEAT PUMPS

**23-20 SEER INVERTER**

9,000 BTU TO 36,000 BTU


**THERMOSTAT**  
(Optional)  
**XE71**
**Wi-Fi MODULE AVAILABLE**

TL127000600\_L72279



- LED display
- Heating down to -25° C / -13° F
- Low ambient cooling at -15° C / 5° F
- Optional wall thermostat

- Also available in Multi-Zone
- Rebates available with almost every utility company in North America

| MODEL                        |           | TW09HQ2C2D                                                                                                              | TW12HQ2C2D                 | TW18HQ2C2D                 | TW24HQ2C2D                 | TW30HQ2C2D                  | TW36HQ2C2D                  |
|------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|
| Power Supply                 |           | 208-230V, 60Hz, 1Ph 208-230V, 60Hz, 1Ph 208-230V, 60Hz, 1Ph 208-230V, 60Hz, 1Ph 208-230V, 60Hz, 1Ph 208-230V, 60Hz, 1Ph |                            |                            |                            |                             |                             |
| Rated Current Cooling        | A         | 5.8                                                                                                                     | 6.0                        | 10.4                       | 14.5                       | 17.0                        | 20.0                        |
| Rated Current Heating        | A         | 6.0                                                                                                                     | 6.3                        | 12.6                       | 14.5                       | 17.5                        | 20.0                        |
| SYSTEM PERFORMANCE           |           |                                                                                                                         |                            |                            |                            |                             |                             |
| Dehumidification             | pt/h      | 0.8                                                                                                                     | 1.4                        | 1.8                        | 2.0                        | 3.0                         | 3.5                         |
| Cooling Capacity             | BTU/h     | 9,000<br>(3,100 - 9,600)                                                                                                | 12,000<br>(3,100 - 13,000) | 18,000<br>(6,800 - 20,000) | 22,000<br>(8,820 - 27,000) | 28,000<br>(9,490 - 30,030)  | 33,600<br>(7,400 - 36,000)  |
| Heating Capacity             | BTU/h     | 11,000<br>(1,911 - 12,000)                                                                                              | 13,000<br>(2,400 - 14,000) | 19,800<br>(7,340 - 23,500) | 23,000<br>(8,820 - 30,710) | 28,400<br>(10,000 - 32,990) | 34,600<br>(14,980 - 36,000) |
| SEER                         |           | 23 / 14.29                                                                                                              | 22 / 12.50                 | 20 / 12.50                 | 20 / 12.50                 | 18 / 10.40                  | 18 / 8.20                   |
| HSPF/COP                     |           | 10.5 / 3.16                                                                                                             | 11.0 / 3.46                | 10.0 / 3.35                | 10 / 3.37                  | 9 / 3.0                     | 9 / 2.7                     |
| INDOOR UNIT                  |           | TW09HQ2C2D-I                                                                                                            | TW12HQ2C2D-I               | TW18HQ2C2D-I               | TW24HQ2C2D-I               | TW30HQ2C2D-I                | TW36HQ2C2D-I                |
| Airflow (L/H)                | PCM / CFM | 171 / 377                                                                                                               | 171 / 400                  | 335 / 559                  | 530 / 706                  | 412 / 706                   | 412 / 736                   |
| Sound Pressure Level (L/H)   | dB(A)     | 29 / 43                                                                                                                 | 29 / 45                    | 39 / 47                    | 36 / 48                    | 37 / 51                     | 37 / 54                     |
| Unit Dim. (WxHxD)            | in.       | 33.4 x 11.4 x 8.2                                                                                                       | 33.4 x 11.4 x 8.2          | 38.2 x 11.8 x 8.8          | 42.4 x 12.8 x 9.7          | 53.1 x 12.8 x 10            | 53.1 x 12.8 x 10            |
| Net/Gross Weight             | lb        | 22.1 / 26.5                                                                                                             | 22.1 / 26.5                | 27.6 / 34.2                | 34.2 / 41.9                | 41.9 / 51.8                 | 41.9 / 51.8                 |
| OUTDOOR UNIT                 |           | TW09HQ2C2D-O                                                                                                            | TW12HQ2C2D-O               | TW18HQ2C2D-O               | TW24HQ2C2D-O               | TW30HQ2C2D-O                | TW36HQ2C2D-O                |
| Compressor Type              |           | SWING                                                                                                                   | SWING                      | ROTARY                     | ROTARY                     | ROTARY                      | ROTARY                      |
| Sound Pressure Level         | dB(A)     | 53                                                                                                                      | 54                         | 55                         | 59                         | 62                          | 65                          |
| Unit Dim. (WxHxD)            | in.       | 33.4 x 21.3 x 12.6                                                                                                      | 33.4 x 23.6 x 12.6         | 37.6 x 27.6 x 12.6         | 38.6 x 31.1 x 16.8         | 38.6 x 31.1 x 16.8          | 38.6 x 31.1 x 16.9          |
| Net/Gross Weight             | lb        | 78 / 84                                                                                                                 | 86 / 93                    | 105 / 115                  | 142 / 153                  | 154 / 165                   | 161 / 172                   |
| Refrigerant/Charge           | oz.       | R410A / 45.9                                                                                                            | R410A / 47.6               | R410A / 56.4               | R410A / 77.6               | R410A / 84.6                | R410A / 91.7                |
| Line Set Size (Liquid - Gas) | in.       | 1/4" - 3/8"                                                                                                             | 1/4" - 1/2"                | 1/4" - 5/8"                | 1/4" - 5/8"                | 1/4" - 5/8"                 | 1/4" - 5/8"                 |
| Max. Pipe Length             | ft.       | 49.2                                                                                                                    | 65.6                       | 82                         | 82                         | 98.4                        | 98.4                        |
| Max. Elevation               | ft.       | 49                                                                                                                      | 49                         | 49                         | 49                         | 49                          | 49                          |
| MCA                          | A         | 9                                                                                                                       | 9                          | 16                         | 20                         | 20                          | 24                          |
| MOCP                         | A         | 15                                                                                                                      | 15                         | 25                         | 30                         | 30                          | 40                          |

Wire Size/# Wires

14 AWG\*4 Stranded, unshielded