

# KLIPSCH PSM-650-T

FULL-RANGE 6.5" INDOOR/OUTDOOR  
PROFESSIONAL SURFACE MOUNT LOUDSPEAKER

**Klipsch**<sup>®</sup>



#### MORE BASS, LESS SPACE WITH THE ALL-NEW TRACTRIX® HYPERFOLD PORT™

Klipsch is all about high efficiency, low distortion. Building upon that legacy, we're introducing the all-new patented Tractrix® Hyperfold Port™ engineered to extend port length for maximum bass power via proprietary five-step folded design. Its increased airflow eliminates chuffing and port noise while providing a greater dispersion pattern for larger coverage areas.

#### IPX6 RATED FOR COMMERCIAL ENVIRONMENTS

Perfect for indoor and outdoor commercial installations around the globe, the Klipsch PSM-650-T is IPX6 Rated. Your clients will rest easy knowing their new speakers will be water-resistant and rainproof for the most challenging commercial environments.

#### MULTIPLE TAP SETTINGS

The PSM-650-T includes a multi-tap transformer for 70 or 100 volt installations. There is also a bypass position that allows normal 8 ohm operation for installations that do not require a transformer.

#### SET SCREWS ON GRILLE

The included set screws on each grille ensures a secure fit between the speaker and grille, while making sure the grilles stay on the enclosures regardless of the environment.

#### 1" TITANIUM COMPRESSION DRIVER FOR EFFORTLESS, HIGH-CLARITY DETAIL

Klipsch outperforms the competition with our all-new 1" Titanium-loaded floating driver bridge with wide dispersion phase plug. Using our patented mumps technology, the PSM-650-T gives any space extra-wide coverage while providing even and consistent energy for your project.

#### PHOENIX CONNECTOR FOR SIMPLIFIED INSTALLATION

The PSM-650-T employ a phoenix connector for quick and intuitive connection.

#### SPECIFICATIONS

|                                      |                                                                                     |
|--------------------------------------|-------------------------------------------------------------------------------------|
| FREQUENCY RESPONSE <sup>1</sup>      | 56Hz-20kHz +/- 4dB, 46Hz -10dB                                                      |
| POWER HANDLING <sup>2</sup>          | 80 watts (19V) 50Hz-10kHz (320 watts peak)                                          |
| CALC. MAX. CONT. OUTPUT <sup>3</sup> | 106dB                                                                               |
| SENSITIVITY <sup>4</sup>             | 90dB                                                                                |
| COVERAGE                             | 100° +/- 20° 900Hz-20kHz                                                            |
| DIRECTIVITY INDEX                    | 7dB +/- 1.5dB 800Hz-20kHz                                                           |
| NOMINAL IMPEDANCE                    | 8 ohms 4.5 ohms at 160Hz minimum                                                    |
| ACOUSTIC CROSSOVER                   | 2kHz                                                                                |
| TRANSDUCERS                          | 6.5" woofer<br>1" titanium compression driver,<br>on a K-1200M horn/tweeter bridge  |
| ENCLOSURE MATERIAL                   | All Weather ABS Plastic, Paintable                                                  |
| IP RATING                            | IPX6                                                                                |
| ENCLOSURE TUNING                     | Vented via 3 folded Tractrix ports                                                  |
| INPUT CONNECTORS                     | 4 pin euro block                                                                    |
| TRANSFORMER TAPS                     | 70V: 60W, 30W, 15W, 7.5W<br>100V: 60W, 30W, 7.5W<br>Bypass position: 8 ohms nominal |
| DIMENSIONS<br>[WITH BRACKET]         | 12.81"(326mm) x 10.19"(259mm) x 7.57"(193mm)<br>[9.19"(234mm)]                      |
| WEIGHT                               | 11.25 lbs (5.11kg)                                                                  |

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<sup>1</sup>1m, half space, anechoic

<sup>2</sup> AES standard, continuous pink noise 50Hz-10kHz, 6dB peaks

<sup>3</sup> Calculated at 1m at power handling power input

<sup>4</sup> SPL at 1m half space, anechoic with 2.83V pink noise input



EN54-24



#### FIVE YEAR WARRANTY