

Service Manual

QUARTZ Synthesizer
Direct Drive Turntable
SP-15 (M), (MC)

SP-15



- The model SP-15 (M) is available in America only.
- The model SP-15 (MC) is available in Canada only.

Specifications

(Specifications are subject to change without notice.)
(Weights and dimensions shown are approximate.)

General

Power supply: 120V, 50 or 60 Hz
Power consumption: 11W
Dimensions: 34.9 x 9.3 x 37.2 cm
 (13-3/4 x 3-21/32 x 14-41/64 inches)
Weight: 6.2 kg (13.7 lb)

Turntable section

Type: Quartz synthesizer pitch control
Drive method: Direct drive
Motor: Brushless DC motor
Drive control method: Quartz-phase-locked control
Turntable platter: Aluminum die-cast, diameter 33.9 cm
 (13-11/32 inches) weight 2.7 kg (5.9 lb)
Moment of inertia: 380 kg-cm² (130 lb-in²)

Turntable speed: 33-1/3, 45 and 78.26 rpm

Turntable speed fine adjustment: Adjustable up to $\pm 0.9\%$ in 0.1% increments by digital indication

Starting torque: 3 kg-cm (2.61 lb-in)

Build-up time: 0.4 sec. to 33-1/3 rpm

Braking time: 0.4 sec. from 33-1/3 rpm

Braking system: Electrical and Mechanical braking

Speed fluctuation due to load torque: 0% within 2.5 kg-cm (2.2 lb-in)

Speed drift: Within $\pm 0.002\%$

Wow and flutter: 0.025% WRMS (JIS C5521)

$\pm 0.035\%$ peak (IEC 95A Weighted)

Remble: -56 dB (IEC 95A, Unweighted)

-75 dB (IEC 95A, Weighted)

Technics

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Technics Sp 15 Service Manual

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