

KRK KUMAGAI RIKI KOGYO

Test Calendar

Model No. 2230-25FC-100E

Calendaring is performed in the finishing process of raw paper or coated paper. This process gives gloss to paper surface, improves smoothness, and adjusts sheet thickness. Various mechanical constructions and roll composition are used for specific purposes. They are classified broadly into three kinds of combination: metal and metal rolls (machine calendar), metal and elastic rolls (super calendar), and metal and resin rolls (soft or gloss calendar). It is desirable to select a test calendar most suitable for the intended purpose, considering many items including material used, paper width, linear pressure, temperature, pressurizing method, heating method, sheet paper or continuous paper.

Simplified Super Calendar 25FC-100E

Roll Composition	two rolls (steel, elastic)
Steel Roll	150mm in diameter, surface length 340mm special alloy steel, surface hardness Hs $86\pm 2^\circ$ hard chrome plated and polished
Elastic Roll	220mm in diameter, surface length 330mm; special white cotton roll hardness (D type) $86\pm 2^\circ$
Effective Surface Length	250mm
Linear Pressure	200 to 1,000N/cm steplessly variable (in 250mm width)
Pressing Method	pneumatic
Pressurization	each sheet
Press Speed	3 to 12m/min.
Roll Surface Temperature	max. 120°C
Power Source	three-phase 200/220VAC 50/60Hz 15A
Air Source	pneumatic
Outer Dimensions	calendar: 1,185×555×1,385mm control panel: 730×580×1,175mm
Instrument Weight	calendar: 545kg control panel: 92kg



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