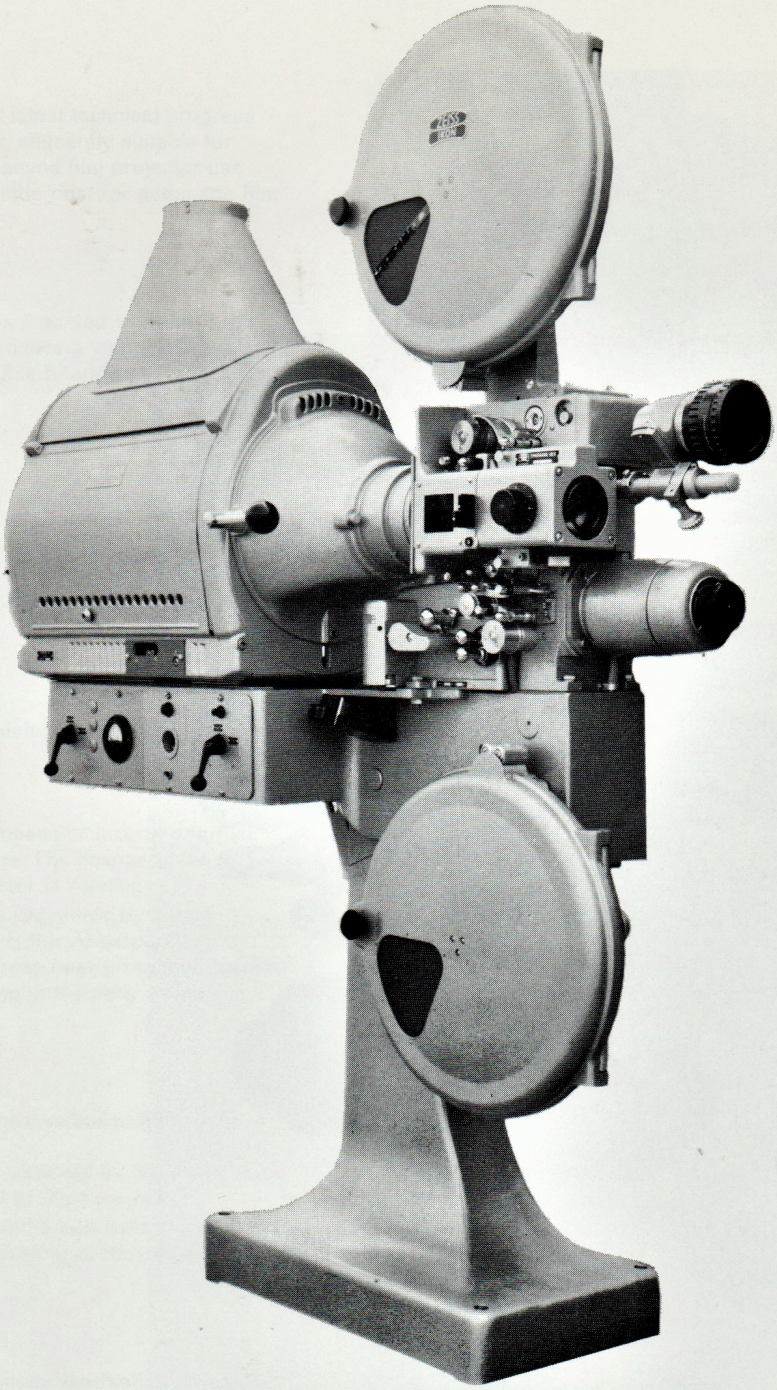
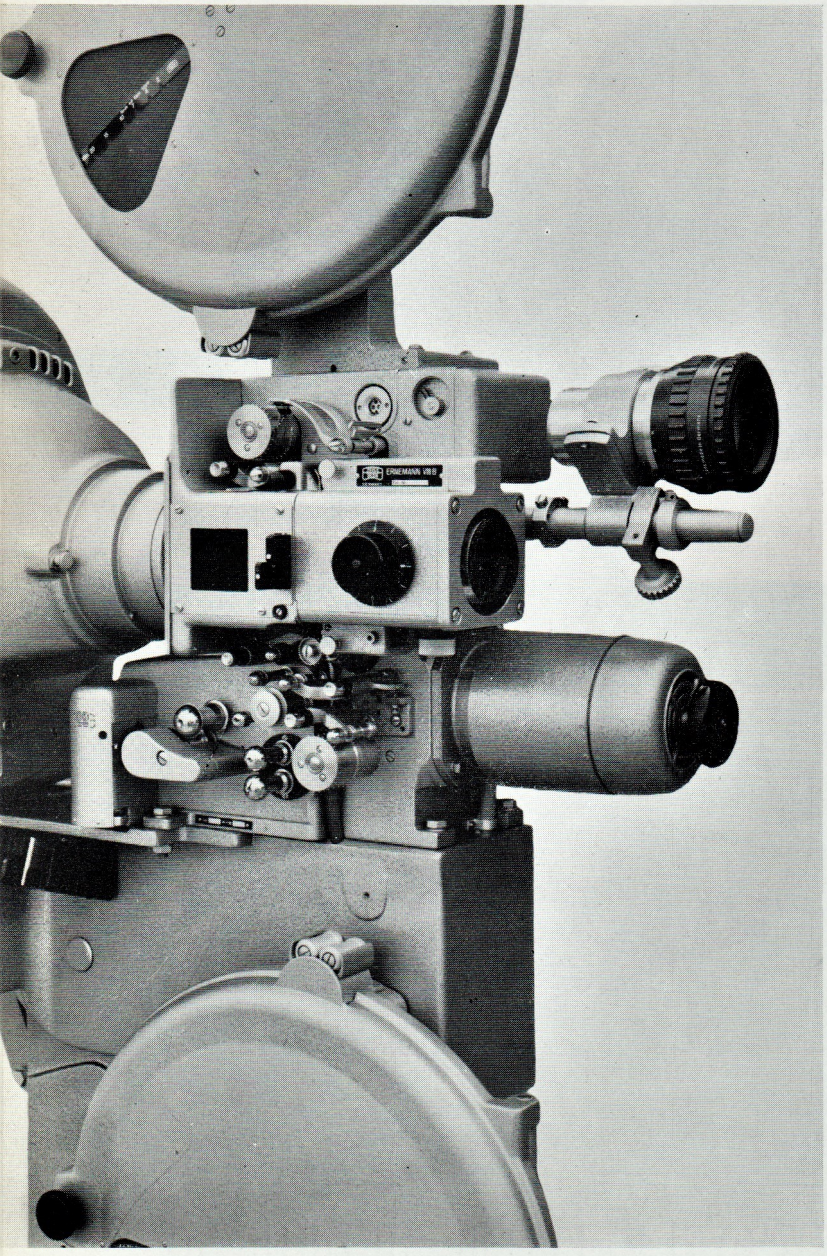
ZEISS IKON



ERNEMANN VIII B



In the history of cinematography the name of ERNEMANN is synonymous with well planned highly efficient precision engineering craftsmanship.

In many countries all over the world, Zeiss Ikon ERNEMANN projectors continue to stand the test and justify the confidence in them.

Sound-film projector
The ERNEMANN VIII B is the result of the latest technical progress and is a medium sized sound film projector, eminently suitable for all types of 35 mm film presentation. This sound film projector can be used without alteration and with very little cost for automatic film presentation.

The mechanism drive
is effected by a flange type motor which is mounted in front of the projector head. A circulating oil pump produces a vigorous flow of oil lubricating all gears automatically. Double filtering of the oil takes place after every circulation.

The Maltese cross gear
ensures a rocksteady screen image and a very long lifetime.

The frame line adjustment
operates centrifugally by rotation of the entire Maltese cross gear around the intermittent sprocket axis.

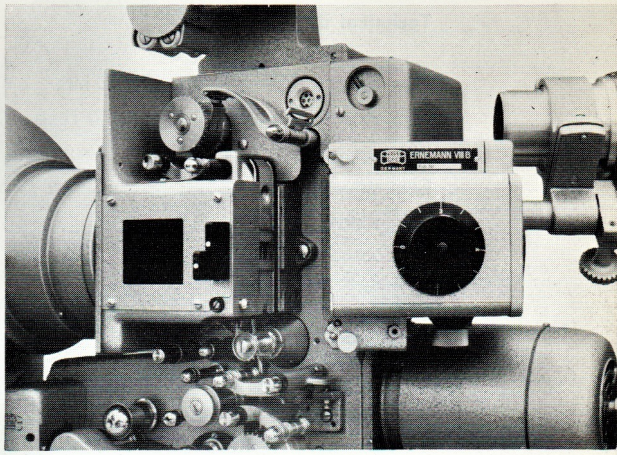
The shutter,
as in all other ERNEMANN projectors, is designed as TT-shutter.

The change of formats
is achieved in the ERNEMANN VIII B by means of inserting format masks without removing the film track slide. The change in the image format is possible whilst the projector is running.
Over-heating of the picture gate frames is prevented by a heat protection mask, which is available in two types corresponding to the different film formats. Moreover, these heat protection masks can be fitted with picture gate lenses being particularly necessary for projection with short-focus lenses.

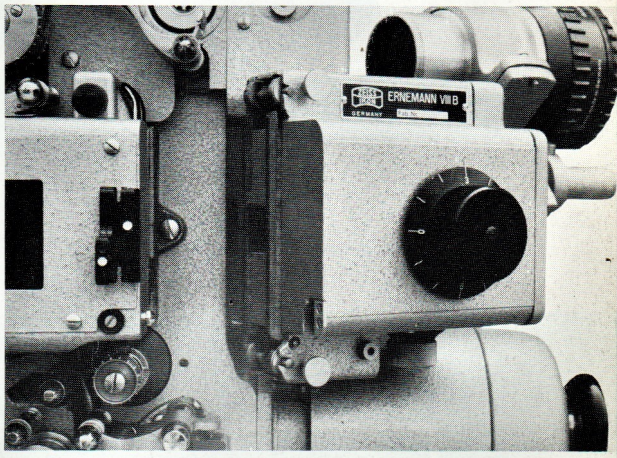
Film cooling
is effected by either cold-light mirrors or heat reflexion filter or compressed air.
A particularly efficient film cooling will be achieved by the Zeiss Ikon cold-light mirror which transmits nearly all of the heat rays.
The ERNEMANN VIII B can be supplied with a self-contained water circulator which will provide an efficient cooling of the entire picture gate.

The optical soundhead
is designed as an integral part of the projector mechanism. It can be fitted with a cell coupler which has a low ohm output being free from interference; it permits the amplifier to be placed in any convenient part of the cabin.

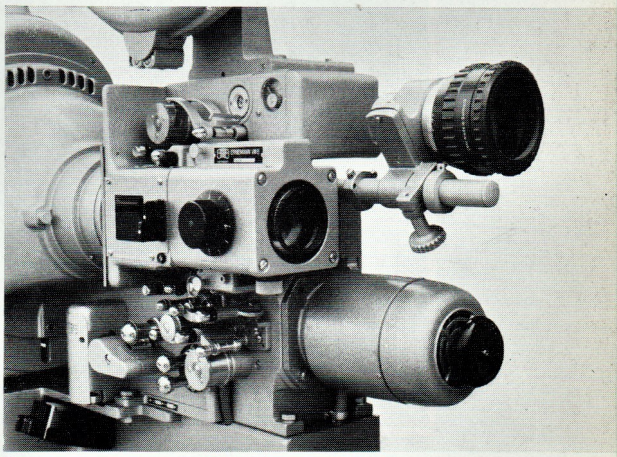
The Multi-Ernophon
serves for scanning single and multi-channel magnetic sound tracks. It is interpolated between the upper spool-box and the mechanism.



By pressing the button the lens housing swings open sideways; plenty of room for film lacing and easy cleaning of the film track.



Format slides make special film track adaptors superfluous. Two simple operations change the film format.

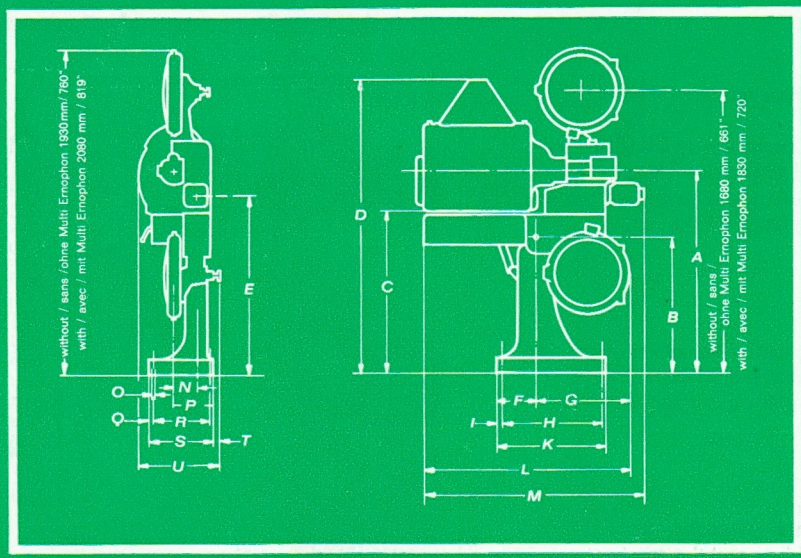


The Anamorphot is swung in and out of the light beam by means of the practical special holder.

Technical data

Film size	35 mm
Film reel capacity	900 resp. 1800 m
Film speed	24 pic/sec
Film advance	Maltese Cross
Image steadiness	less than 0.2 % of height and width of image
Film gate	air-cooled alternatively water-cooled
Drive motor	asynchronous type three-phase current
Power line voltage	220/380 V
Power line frequency	50 or 60 Hz (cps)
Lamphouse	XENOSOL II XENOSOL III
Projection lamp	xenon 900/2500 W
Carbon arc lamp	upon request
Attachment for slide projection (8.5 x 8.5 or 5 x 5 cm)	optional
Change-over device for picture and sound	built-in
Sound unit	for optical sound with rotary sound drum separate magnetic sound device for 4-tracks (Multi-Ernophon)
Special equipment	upon request
Dimensions (approx.)	Height 1,90 m Width 0,45 m Length 1,35 m
Weight (approx.)	250 kg (550 lbs)

Main dimensions of the ERNEMANN VIII B



A	1215 mm / 47,8"
B	810 mm / 31,9"
C	960 mm / 37,8"
D	1760 mm / 69,3"
E	1079 mm / 42,5"
F	230 mm / 9,0"
G	570 mm / 22,4"
H	600 mm / 23,6"
I	30 mm / 1,2"
K	660 mm / 26,0"
L	1245 mm / 49,0"
M	1315 mm / 51,8"
N	130 mm / 5,1"
O	20 mm / 0,8"
P	245 mm / 9,6"
Q	30 mm / 1,2"
R	320 mm / 12,6"
S	380 mm / 15,0"
T	30 mm / 1,2"
U	520 mm / 20,5"

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No. 3875 E Printed in Germany 5970