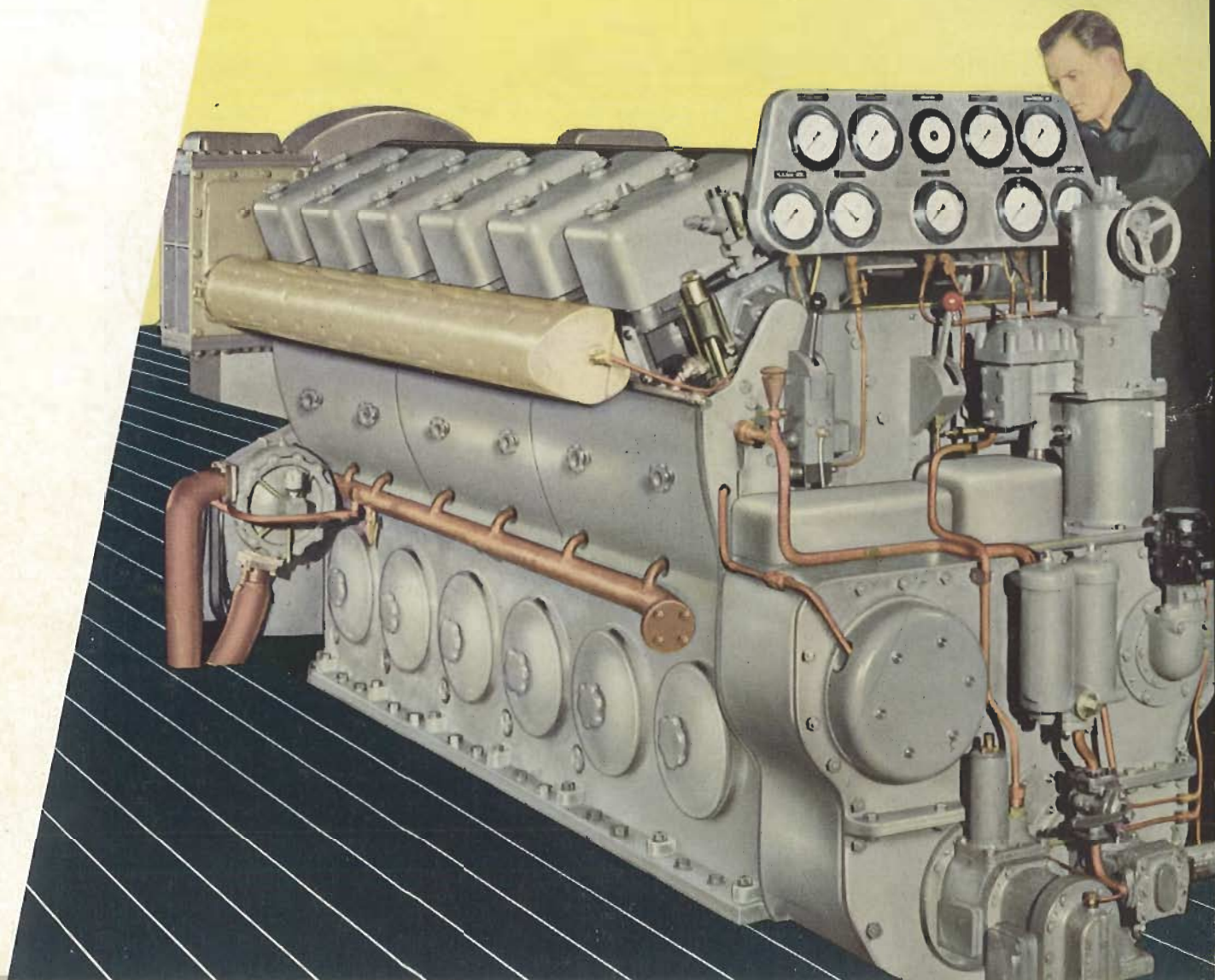


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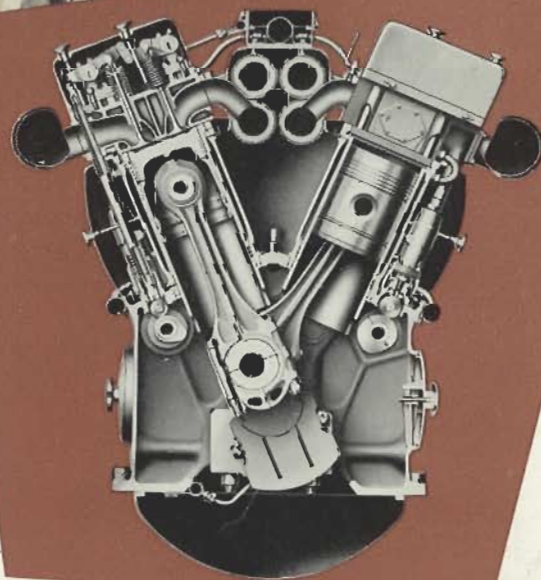
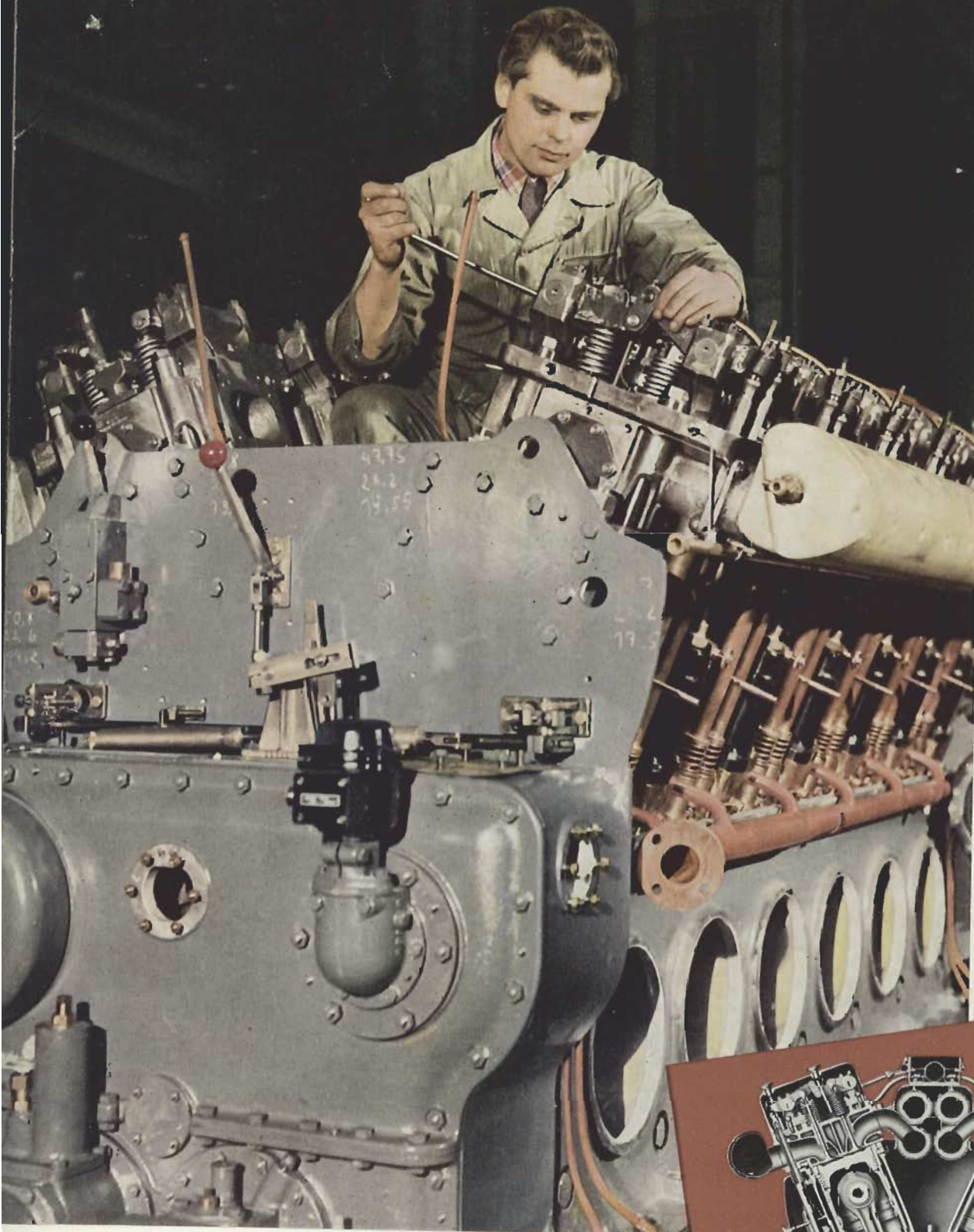


DIESEL *Shaw* . . . . .



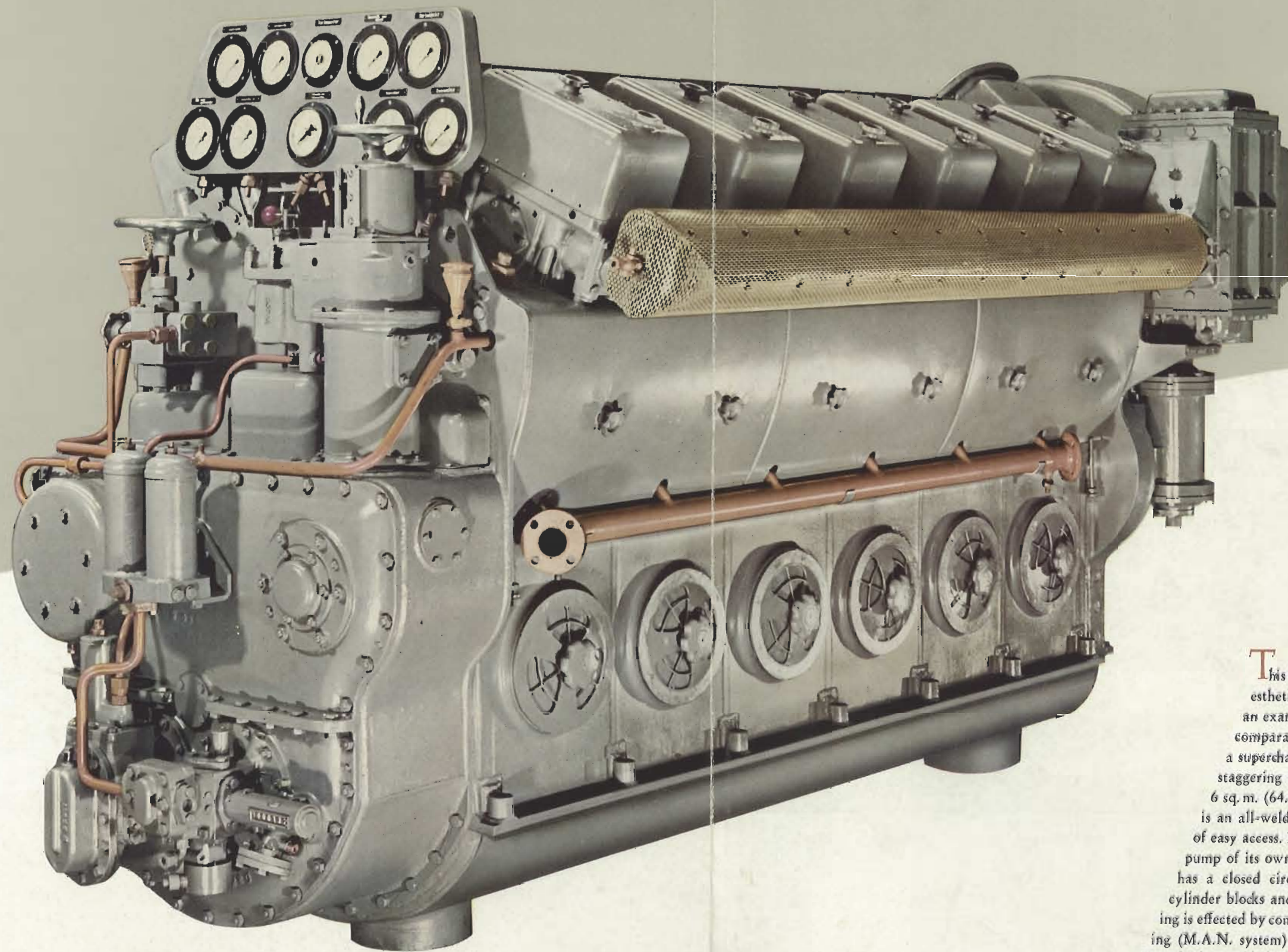


M.A.N. Diesel engine  
type V 6 V 22/30  
in the assembly shop



Cross section of VV 22/30 Diesel engine. The V-angle is 45°. The exhaust gas manifolds are arranged between the cylinder banks.

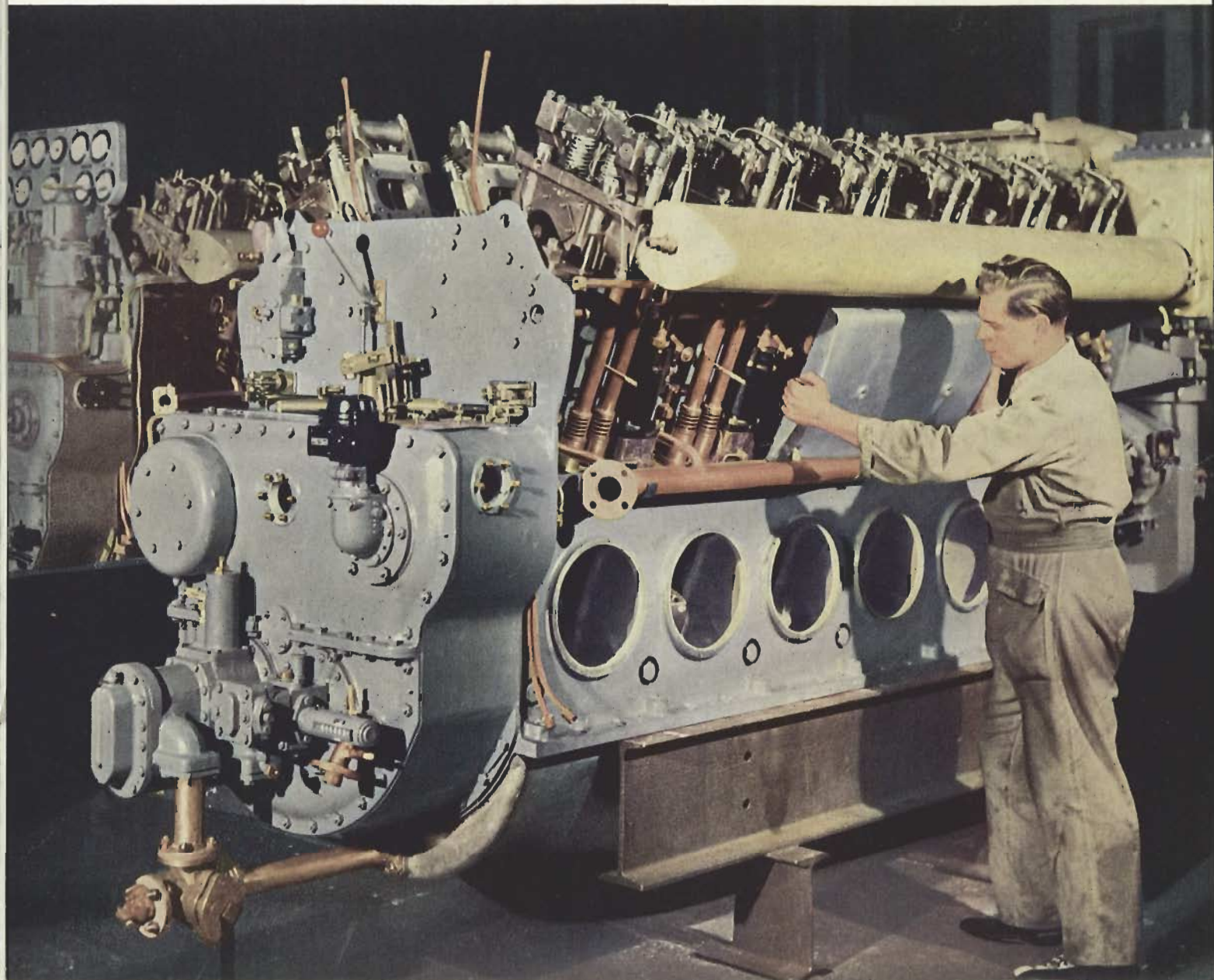




**T**his M.A.N. Diesel engine, of flawless esthetics, is a giant in power. To quote an example: its V 8 V 22/30 version, of comparatively light weight, equipped with a supercharger and air re cooler, develops a staggering 2,000 odd b.h.p. on less than 6 sq. m. (64.5 sq. ft.) floor area. — The engine is an all-welded structure. All vital parts are of easy access. Each cylinder has a fuel injection pump of its own. — The VV 22/30 Diesel engine has a closed circulation lubricating system. Its cylinder blocks and heads are water-cooled. Starting is effected by compressed air. — Turbo-supercharging (M.A.N. system) is optional and a charging air re cooler is provided where a high supercharging ratio is employed or the temperature of the ambient air is very high.



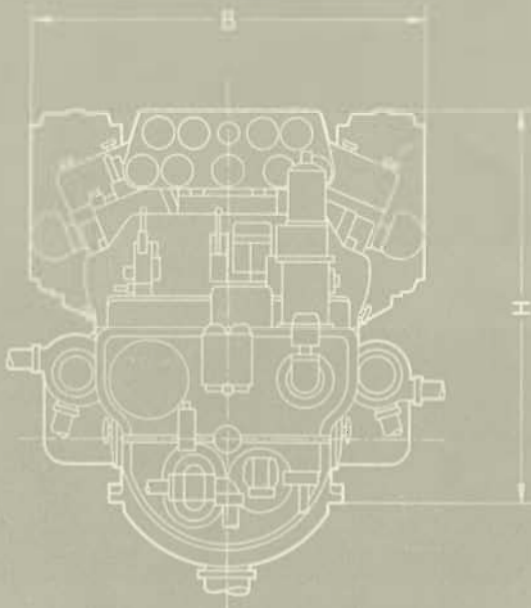
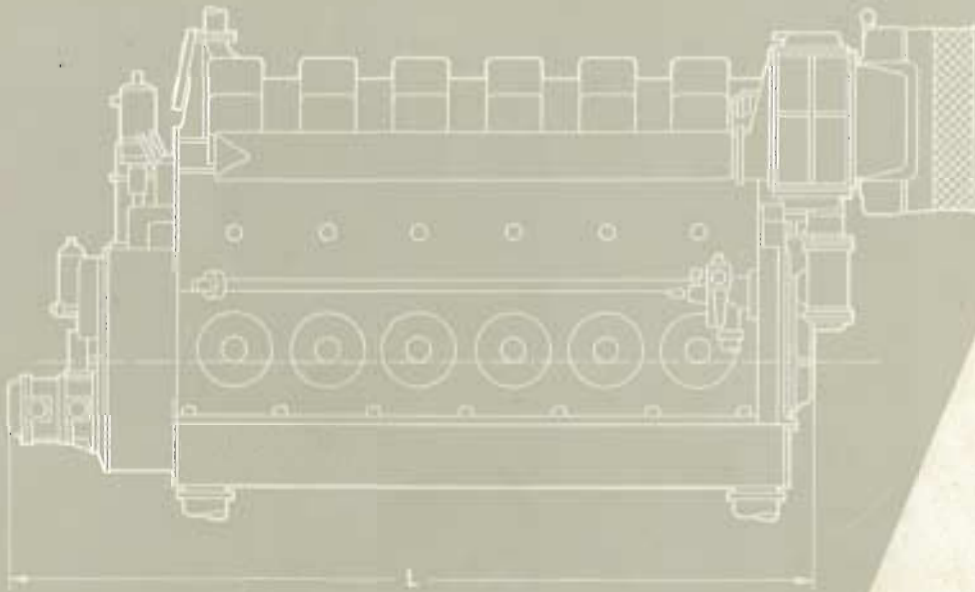
The M.A.N. 4-stroke Diesel engine of the VV 22/30 type has the cylinders arranged in two rows of 6 or 8 each (Vee type). The bore is 220 mm and the stroke 300 mm. The engine speed is from 900 to 1,000 r.p.m. The power range extends from 780 to 2,080 b.h.p.



Installing the panelling. Two fuel injection pumps are seen in the section that remains to be closed.

This light-weight and yet robust engine has a wide and variegated field of application. Its service record as a source of power of fast locomotives and special-purpose ships is outstanding.





## DIMENSIONS AND WEIGHTS

The data and illustrations in this leaflet serve the purpose of general information and may be changed to suit individual service requirements. Please let us have your specification.

Type	Power b.h.p.	r.p.m.	Length L mm	Width B mm	Height H mm	Approx. weight kg
V6V22/30	780	900	3055	1560	1450	6800
	870	1000				
V8V22/30	1040	900	3785	1560	1450	8800
	1160	1000				
V6V22/30*	1260	900	3055	1560	1490	7100
	1400	1000				
V8V22/30*	1680	900	3785	1560	1550	9100
	1860	1000				
V6V22/30**	1420	900	3055	1560	1490	7300
	1560	1000				
V8V22/30**	1900	900	3785	1630	1550	9300
	2080	1000				

\* Supercharged

\*\* Supercharged, with air recoler

M.A.N. is the oldest Diesel engine maker and one of the most important. Its programme is very comprehensive and includes Diesel engines of every description encompassing a power range from 30 to 12,000 b.h.p. and over.

# M·A·N

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