

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Aerzener Maschinenfabrik GmbH
Address	Reherweg 28, Aerzen, 31855, Germany
Type	Refrigeration Compressor
Description	Horizontal screw type compressor, single stage, oil cooled, flow volume control between 100% and 10% by a slide controlling a bypass from pressure to suction side, male rotor with 4 and female rotor with 6 blades (C45N) and rotor casing (GJL250).
Trade Name	VMY 236 H/M/B, VMY 336 H/M/B, VMY 436 H/M/B, VMY 536 H/M/B
Application	As compressors for refrigerants R-22, R-134, R-134a, R-290, R-404a, R-600, R-600a, R-717, R-410a*, R-23*, R-1150*, R-1270* for marine installations and cold stores classed or intended for classification with Lloyd's Register, as well as for CH4-mixed gas, CO2*, N2.
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships, 2021
Other Conditions	*) Where for the above marked refrigerants the saturated vapour pressure at 46°C or the thereof calculated high side design pressure exceeds the compressors design pressure of 25 bar(g) a supplementary refrigeration unit or priming system is to be provided.

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Attention is to be given to any statutory requirements, regarding the use of refrigerants, of the National Authority of the country in which the ship is registered.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 95/20048(E4)

The Design Appraisal Document HMD 6099-01, Issue No. 4 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Appendix

RATINGS

Type	Compr. Press [bar]					
	4	8	12	16	20	
YMY 236 H	605	590	575	565	555	Suct. Volume [m ³ /h]
VMY 236 M	805	785	770	760	--	
VMY 236 B	1075	1040	--	--	--	
VMY 336 H	1240	1220	1195	1185	1180	
VMY 336 M	1650	1615	1580	1560	--	
VMY 336 B	2195	2130	--	--	--	
VMY 436 H	2485	2430	2380	2350	2320	
VMY 436 M	3175	3070	2985	2935	--	
VMY 436 B	4220	4085	--	--	--	
VMY 536 H	5285	5175	5065	5005	4950	
VMY 536 M	6725	6520	6380	6310	--	
VMY 536 B	9060	8775	--	--	--	