

APPROVAL CERTIFICATE

This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the DNV GL Approval System.

Certificate No. **75 862 - 09 HH**

Company **Aerzener Maschinenfabrik GmbH**
Reher Weg 28
31855 Aerzen, GERMANY

Product **Screw Compressor**

Type **VMY 156M, VMY 256M, VMY 356M**

Technical Data / Application	VMY 156M	VMY 256M	VMY356M
Volume rate of flow [m3/h] @ 3000 1/min and @ 25 bar - Male rotor-driven	444	911	1800
Volume rate of flow [m3/h] @ 3000 1/min and @ 25 bar - Female rotor-driven	678	1378	2700
M.A.W.P.: [bar]	25	25	25
Flange, gas inlet DN / PN	100/40	150/40	200/40
Flange, gas outlet DN / PN	50/40	100/40	150/40

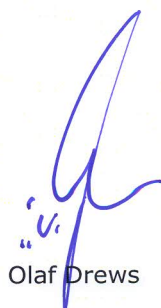
Further techn. Data see manufacturer data sheet

Approval Standard **Legacy GL: I-1-2 Seagoing ships - Machinery Installations**
Legacy GL: I-1-10 Seagoing ships - Refrigerating Installations

Documents **Technical Design Description VMY156-M, VMY256-M, VMY356-M**
Manufacturer data sheet V1-040 01 DE 4.2010
QS-Datasheet QP0191V, Änderungsindex "01"

Remarks **see page 2**

Valid until **2020-02-12**
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Hamburg, 2015-02-13



Olaf Drews



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Material:	Male rotor drive (HR)	Casing:	EN-GJS-400-18-LT (GGG40.3)
	Female rotor drive (NR)	Rotors:	C45 N / 1.0505
		Casing:	EN-GJS-400-18-LT (GGG40.3)
		Rotors:	20MnCr5 / 1.7141

*** Approved for refrigerants: R22, R134a, R404a, R407c, R507, R717 ***

Compressors are to be subjected to a performance test at the manufacturer's works under supervision of DNV-GL and are to be presented for final inspection.

Where screw compressors are intended for DNV-GL-classed vessels, material tests are to be performed on the rotors.

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