

### Description

The VA-E25 is an electrical driven double diaphragm pump. With the wide range of different available materials for pump body, valve seats, valve balls and diaphragms, this pump is the ideal problem solver in a wide range of applications across many industries. The VA-E25 can run in “low pulsation mode” to reduce the generated pulsations in the flow or in “transfer mode” to generate a higher flow rate.



### Your benefits

- Energy efficient
- Smoother flow when operating in “low pulsation mode”
- Low noise level
- Can stall against close discharge
- Can run dry without damage
- Dry self priming

Technical data	Drive option	Fluid & air section		
	IG	AA	33,6	
		PA	32,4	
		PS	46,7	
		SA	40,6	
		SS	54,9	
	Weight [kg]	AC, BC	Extra weight on the drive option IG above	+ 23
AX, BX		Extra weight on the drive option IG above	+48	
A2, B2		Extra weight on the drive option AC/BC above	+ 13	
Max. Suction lift (mwc)		Dry	4,9	
		Wet	8,8	
Temperature (°C)	A,S	Internals		
		AC,BN	-12      82	
		VT	-40      135*	
		GE	-40      66	
		NO,NE, NW	-18      82	
		PP	0      66	
		TO	4      82	
		TF	4      104	
		SP	-40      82	
		HY	-29      66	
		P	All except TF,TO	0      66
			TF, TO	4      66



Drive option			
Electric Motor	AC, BC, A2, B2	Power (kW)	1,5
		Voltage (V)	3 x 230/460 - 50
	AX, BX	Power (kW)	1,5
		Voltage (V)	3x 240/415 - 50
Max. Particle size (mm)		3,2	
Air connection		3/8" NPT(f)	
Air consumption (Nm³/h)		< 0,006	
Max. recommended viscosity (mPas)		10.000	

Code VA-E25 No.1 No.2 No.3 No.4.No.5.No.6.No.7.		
<p><b>No.1 Fluid section</b></p> <p>⚠ A = Aluminium ⚠ S = Stainless Steel P = Polypropylene</p> <p><b>No.2 Center section</b></p> <p>A = Aluminium S = Stainless Steel</p> <p><b>No.3 Check valve seats</b></p> <p>AC = Acetal AL = Aluminium BN = Buna-N GE = Geolast HY = Hytrel (TPE) PP = Polypropylene SP = Santoprene SS = Stainless Steel 316 VT = Viton (FKM)</p>	<p><b>No. 4 Check valve balls</b></p> <p>AC = Acetal BN = Buna-N GE = Geolast</p> <p>HY = Hytrel (TPE) NE = Neoprene NW = Neoprene Weighted SP = Santoprene SS = Stainless Steel 316 TF = PTFE VT = Viton (FKM)</p> <p><b>No. 5 Diaphragms</b></p> <p>BN = Buna-N GE = Geolast HY = Hytrel (TPE) NO = Neoprene overmolded SP = Santoprene</p>	<p>TF = PTFE/EPDM 2 piece TO = PTFE/EPDM overmolded VT = Viton (FKM)</p> <p><b>No. 6 Connections</b></p> <p>TB = Threaded BSP(f) TN = Threaded NPT(f) FC = Center Flange DIN/ANSI FE = End Flange DIN/ANSI</p> <p><b>No. 7 Drive options</b></p> <p>AC = 159 RPM, Gearbox with AC drive BC = 80 RPM, Gearbox with AC drive ⚠ AX = 159 RPM, Gearbox with Atex drive ⚠ BX = 80 RPM, Gearbox with Atex drive ⚠ IG = IEC 90 gearbox (18,08 ratio) A2 = AC + Compressor 240V B2 = BC + Compressor 240V</p>

EXAMPLE PUMP TYPE

**VA-E25 AA HY AC HY TB AC**

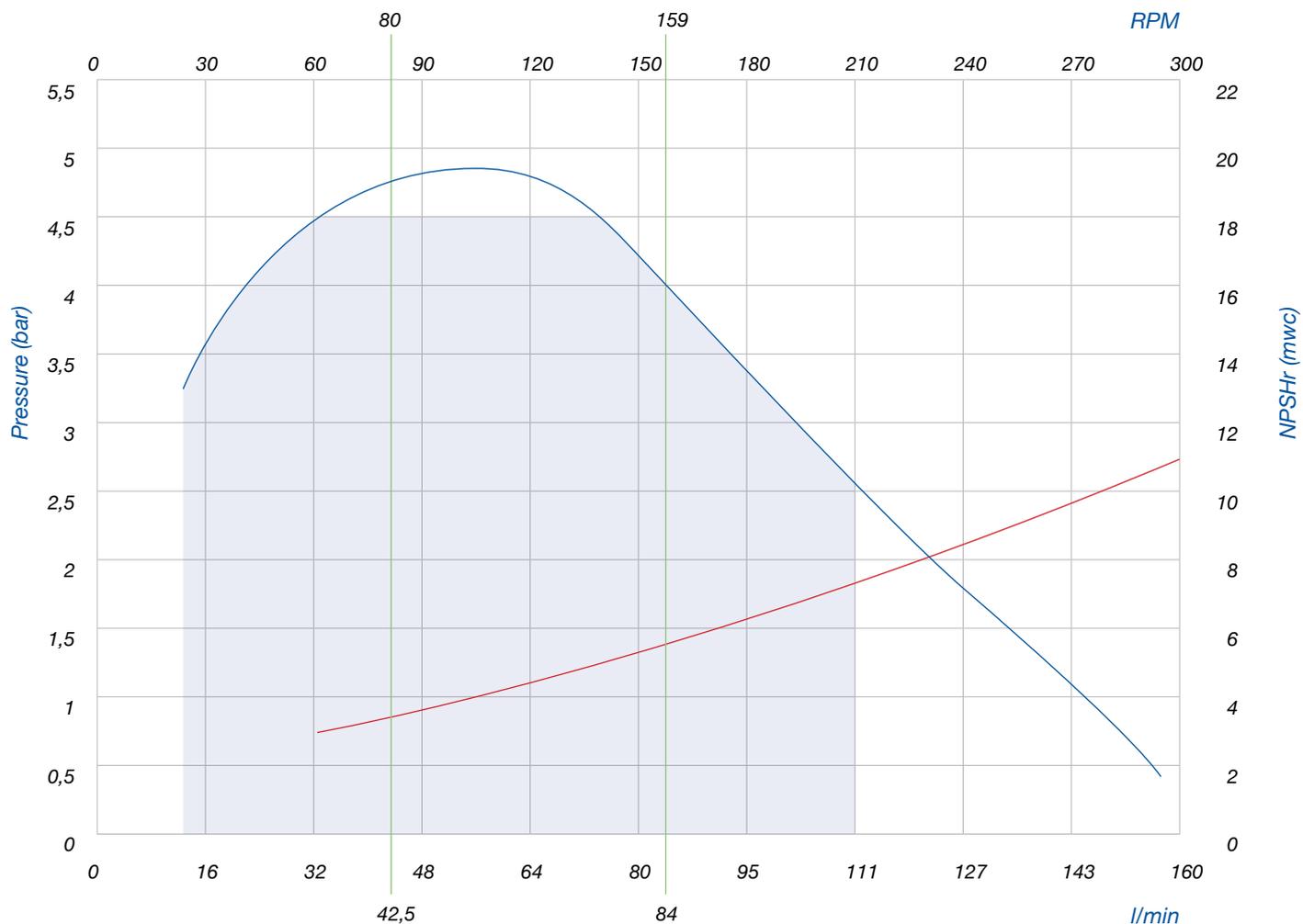
NOTE not all combinations are available

⚠ II 2 GD ck Ex d IIB T3 Gb

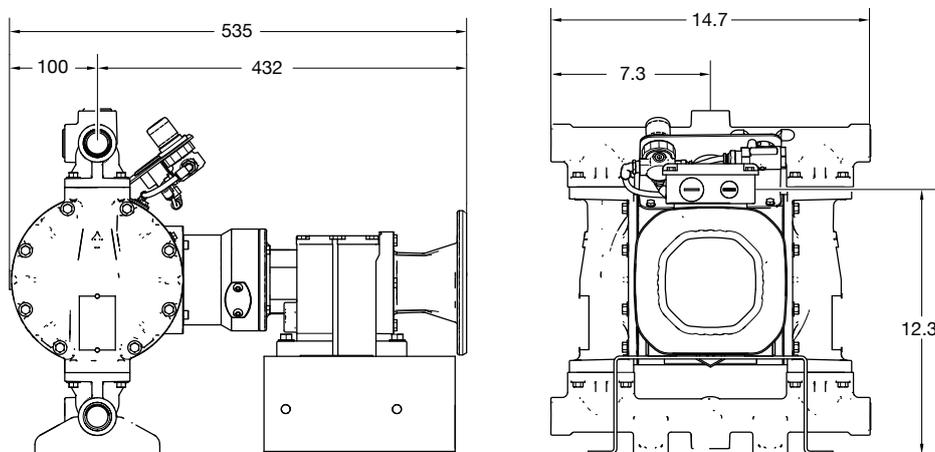
⚠ II 2 GD ck IIB T3 Gb



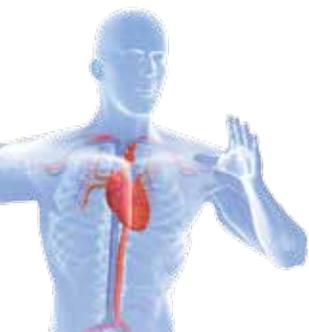
### Performance curve



### Dimensions (mm)



(Aluminium version with IC drive)



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For construction, installation and floor mounting drawings please contact your local authorised Verderair® distributor.