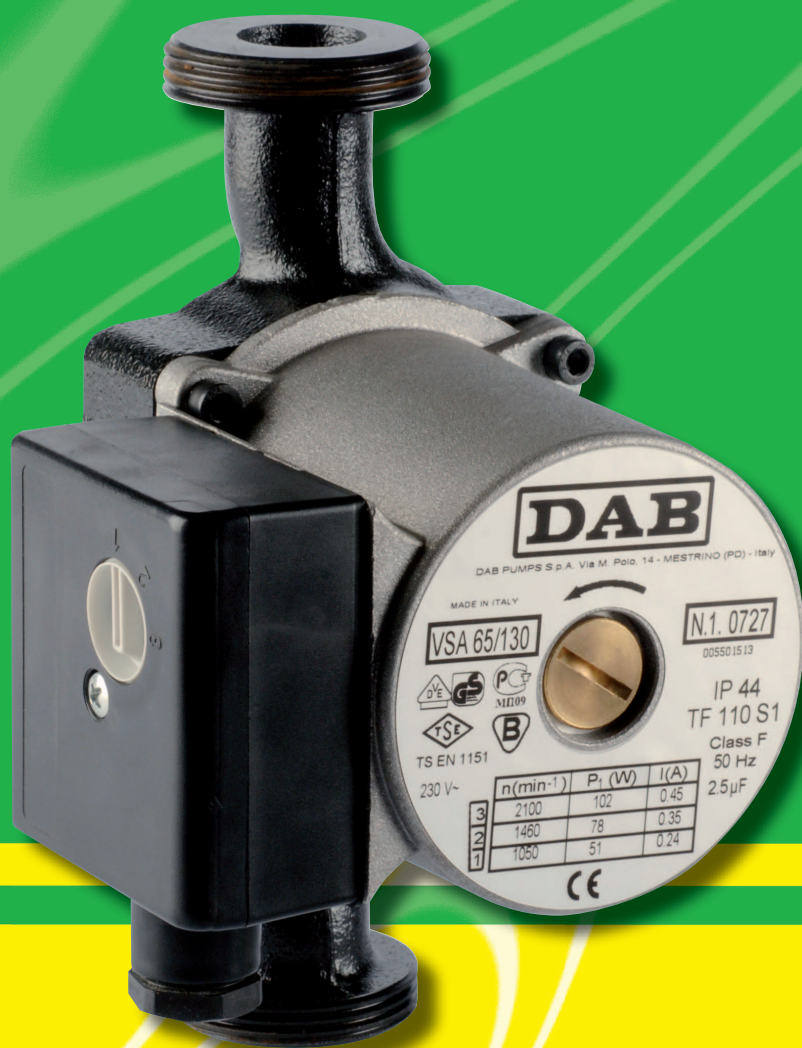
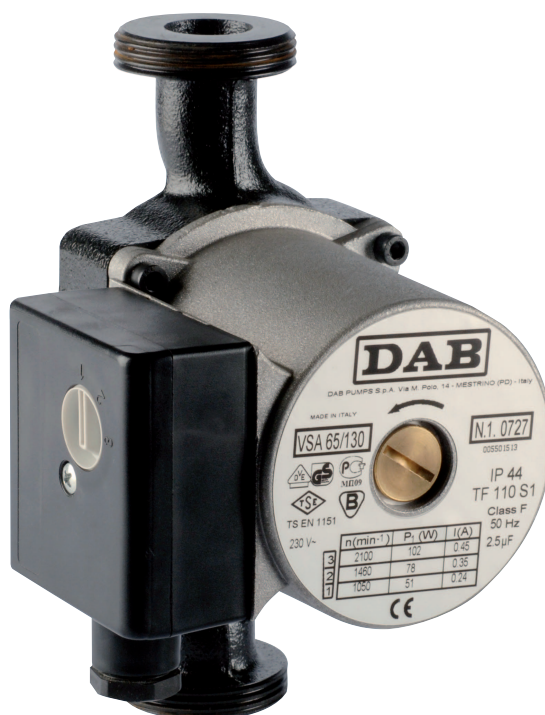


VSA
CIRCULATORS
FOR SOLAR PANEL
HEATING SYSTEMS



NEW



**SURFACE COATING
APPLIED BY
ELECTROPHORESIS
PROCESS**



Applications

Pump for circulation of fluid media in solar panel powered heating systems.

VSA wet rotor circulators can function perfectly also with high glycol concentrations (**up to 60%**).

Construction features

Monobloc body composed of hydraulic section in cast iron and wet rotor motor. **Special electrophoresis coating** of the pump body to ensure resistance to glycol attack. Motor casing in diecast aluminium. Rotor in engineering polymer, motor shaft in hardened stainless steel held in graphite bearings lubricated by the pumping medium.

Rotor protective jacket, stator jacket, and closing flange in stainless steel.

Ceramic thrust ring, ethylene propylene seals and brass air breather plug.

Two-pole asynchronous motor with squirrel cage rotor designed to run at three alternative speeds on the basis of the setting of a selector on the terminal board in order to adapt circulator operation to the characteristics of the system.

Protection rating:	IP 44
Insulation class:	F
Standard power supply:	single-phase 230 V/50 Hz
Special versions on request.:	- alternative voltages and/or frequencies - OEM multipack version

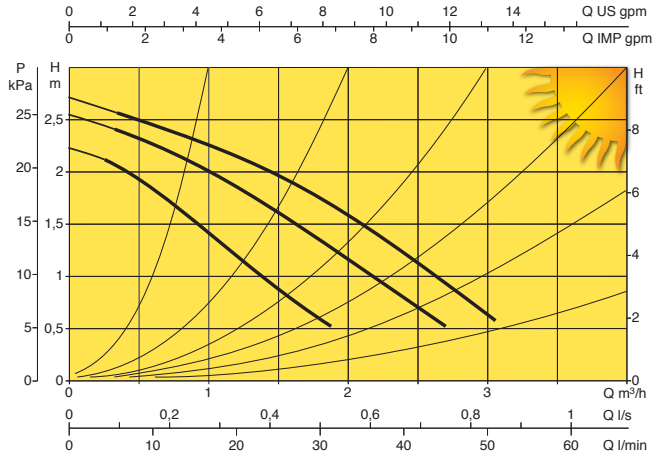
TECHNICAL DATA

Operating range:	from 0 to 4,2 m ³ /h with pressure head of up to 6.3 m.
Liquid temperature range:	from -10°C to +110°C (TF110) All models are designed to withstand temperature peaks of up to 140°C
Pumped fluid:	clean, free of solid contaminants and mineral oils, non-viscous, chemically neutral, close to the properties of water (max. glycol 60%).
Maximum working pressure:	10 bar (1000 kPa)
Installation:	with HORIZONTAL MOTOR SHAFT

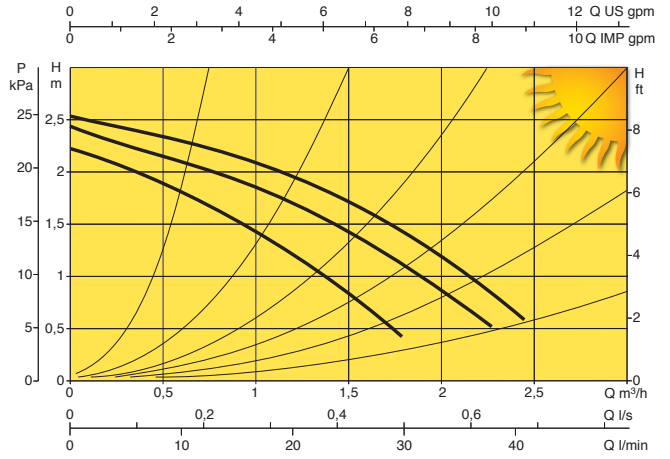


HYDRAULIC DATA

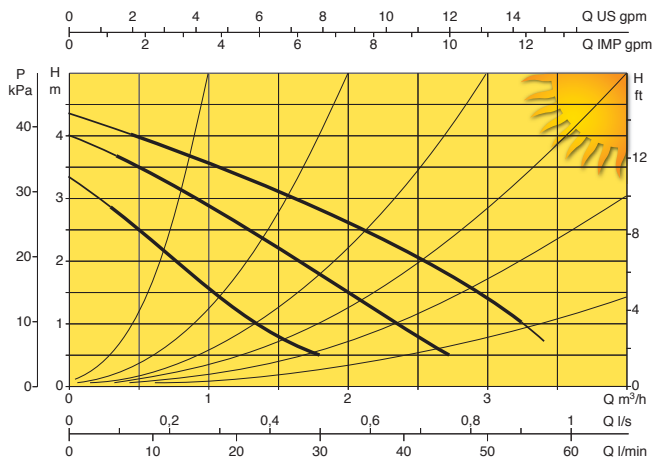
VSA 25/130 - VSA 25/180 (*)



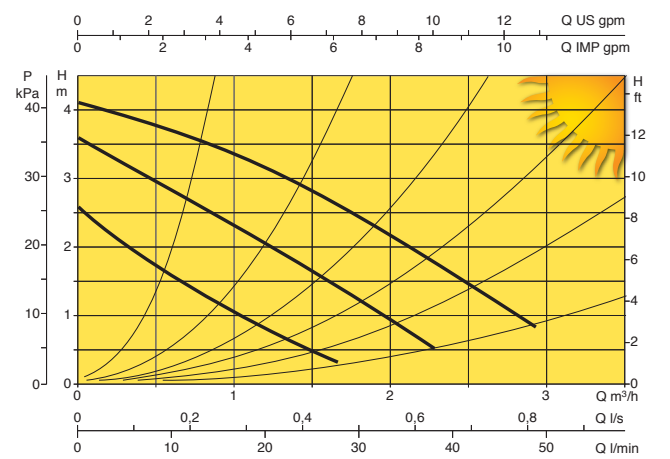
VSA 25/130 1/2"



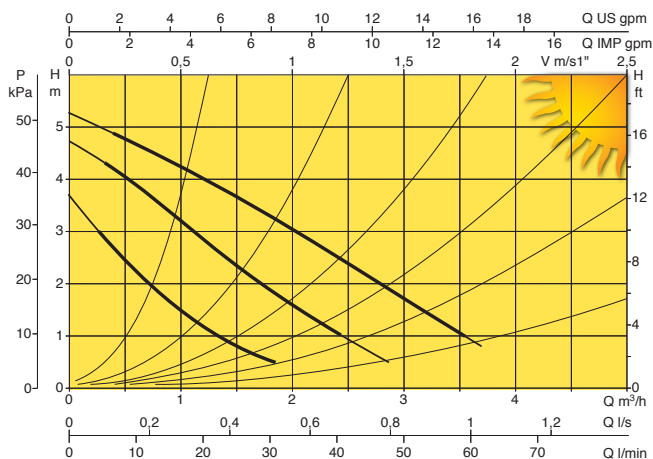
VSA 35/130 - VSA 35/180 (*)



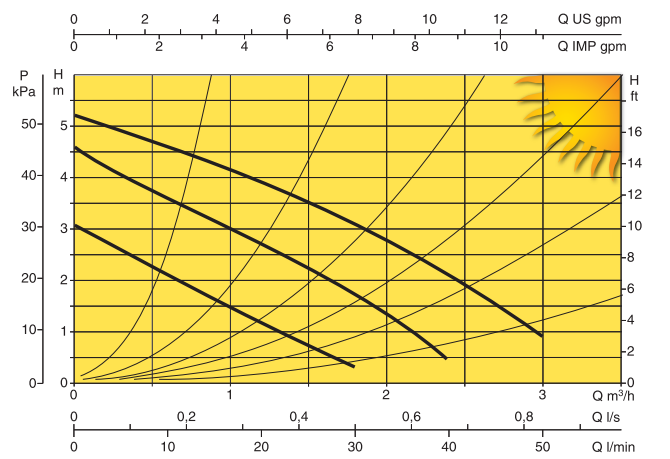
VSA 35/130 1/2"



VSA 55/130 - VSA 55/180 (*)



VSA 55/130 1/2"

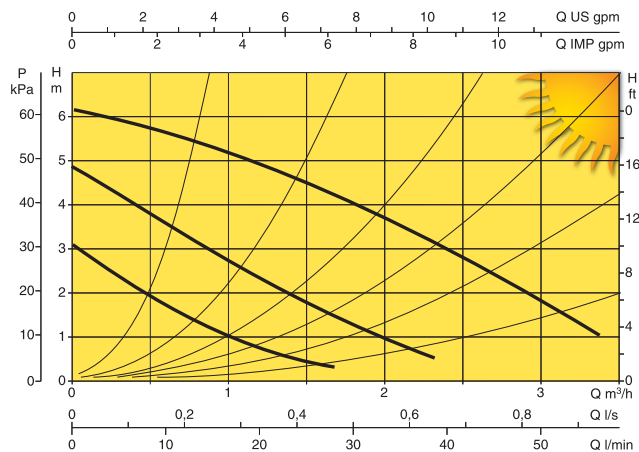
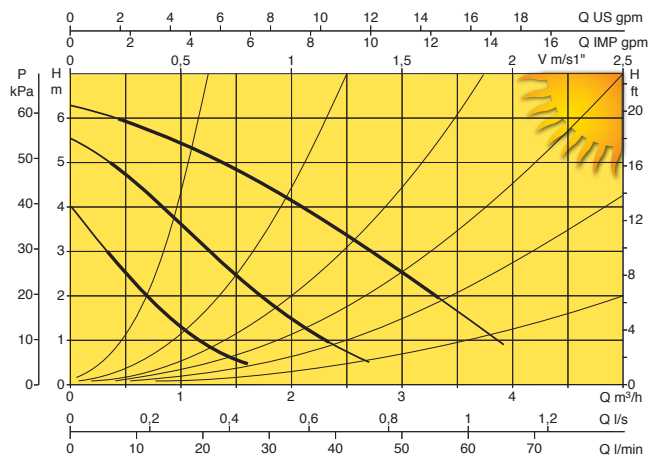


(*) Models with 180 mm C/C distance available on request only



VSA 65/130 - VSA 65/180 (*)

VSA 65/130 1/2''



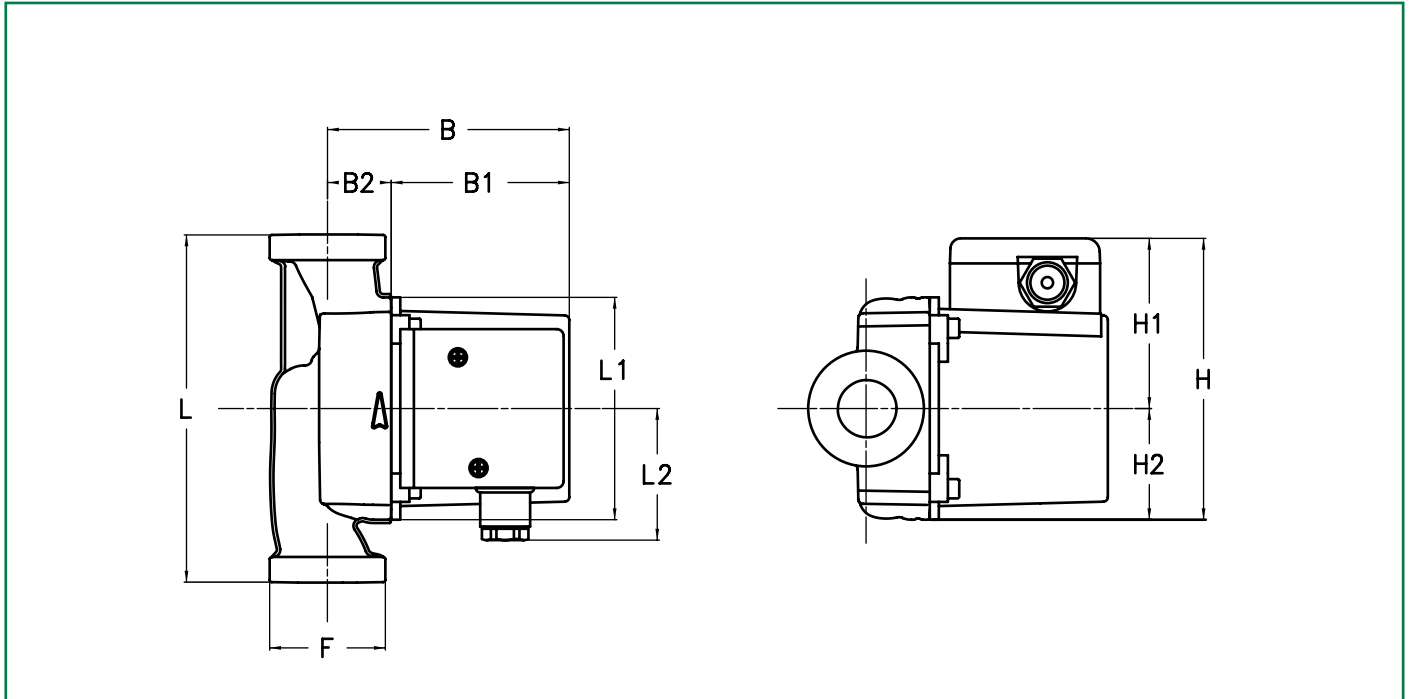
(*) Models with 180 mm C/C distance available on request only

TECHNICAL DATA

MODEL	VOLTAGE 50Hz	CENTRE DISTANCE mm	ELECTRICAL DATA						UNIONS ON REQUEST	
			SPEED	n r.p.m.	P1 MAX W	In A	CAPACITOR		STANDARD	SPECIAL
							µF	Vc		
VSA 25/130	1x230 V ~	130	3 2 1	2590	57	0,26	1,5	450	1" F	3/4" F - 1/4" M
VSA 25/130 - 1/2	1x230 V ~	130		2320	50	0,24			-	-
VSA 25/180	1x230 V ~	180		1895	38	0,18			1" F	3/4" F - 1/4" M
VSA 35/130	1x230 V ~	130	3 2 1	2370	71	0,31	2	450	1" F	3/4" F - 1/4" M
VSA 35/130 - 1/2	1x230 V ~	130		1910	60	0,28			-	-
VSA 35/180	1x230 V ~	180		1440	44	0,2			1" F	3/4" F - 1/4" M
VSA 55/130	1x230 V ~	130	3 2 1	2330	82	0,36	2,5	450	1" F	3/4" F - 1/4" M
VSA 55/130 - 1/2	1x230 V ~	130		1815	64	0,29			-	-
VSA 55/180	1x230 V ~	180		1330	45	0,2			1" F	3/4" F - 1/4" M
VSA 65/130	1x230 V ~	130	3 2 1	2100	102	0,45	2,5	450	1" F	3/4" F - 1/4" M
VSA 65/130 - 1/2	1x230 V ~	130		1460	78	0,35			-	-
VSA 65/180	1x230 V ~	180		1050	51	0,24			1" F	3/4" F - 1/4" M



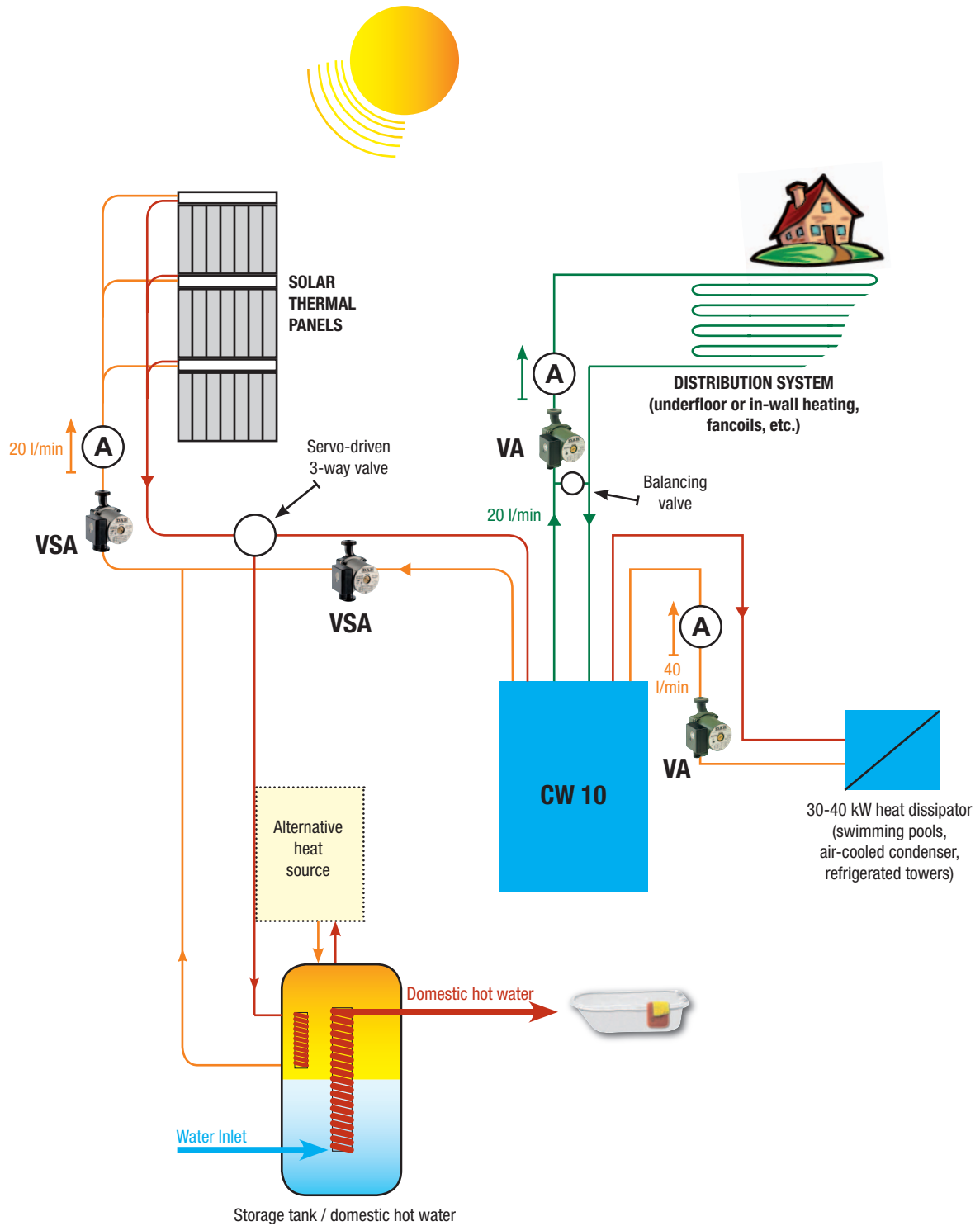
DIMENSIONS AND WEIGHTS



MODEL	L	L1	L2	B	B1	B2	H	H1	H2	F	PACKAGING DIMENSIONS			VOLUME m ³	WEIGHT Kg
											L	B	H		
VSA 25/130	130	98	60	104	78	26	124	75	49	1 1/2" G	138	140	135	0,0026	2,65
VSA 25/130 - 1/2	130	98	60	104	78	26	124	75	49	1" G	138	140	135	0,0026	2,65
VSA 25/180	180	98	60	104	78	26	124	75	49	1 1/2" G	138	140	135	0,0036	2,8
VSA 35/130	130	98	60	104	78	26	124	75	49	1 1/2" G	138	140	135	0,0026	2,65
VSA 35/130 - 1/2	130	98	60	104	78	26	124	75	49	1" G	138	140	135	0,0026	2,65
VSA 35/180	180	98	60	104	78	26	124	75	49	1 1/2" G	138	190	140	0,0036	2,8
VSA 55/130	130	98	60	104	78	26	124	75	49	1 1/2" G	138	140	135	0,0026	2,65
VSA 55/130 - 1/2	130	98	60	104	78	26	124	75	49	1" G	138	140	135	0,0026	2,65
VSA 55/180	180	98	60	104	78	26	124	75	49	1 1/2" G	138	190	140	0,0036	2,8
VSA 65/130	130	98	60	104	78	26	124	75	49	1 1/2" G	138	190	140	0,0036	2,65
VSA 65/130 - 1/2	130	98	60	104	78	26	124	75	49	1" G	138	140	135	0,0026	2,65
VSA 65/180	180	98	60	104	78	26	124	75	49	1 1/2" G	185	150	150	0,0036	3,15



INSTALLATION EXAMPLE



NOTES



Lined area for notes, consisting of 30 horizontal lines.





PUMP PERFORMANCE

DAB PUMPS Spa - Via Marco Polo, 14 - 35035 Mestrino PADOVA - Italy - Tel. +39-049-9048811 r.a. - Fax +39-049-9048847 - www.dabpumps.com

Sales Export dept:

Ph: +39-049-9048895-96-97

Fax +39-049-9048900

Customer Technical Assistance:

Ph. +39-049-9048911

Fax +39-049-9048920