

TH SB BOOSTERS



General Information

It is high pressure, quiet running, compact and low power consumption.

SB pumps are suitable for pumping non-abrasive, clean or slightly contaminated, low viscosity liquids without solid & fibrous particles.

Vertical structure saves space.

Technical Data

Flow _____ up to 15 m³/h

Head _____ up to 120 m

Operating Temperature _____ 0 °C to 50 °C

Casing Pressure _____ 10 - 16 bar

Design Features

- TH SB booster is manufactured with horizontal or vertical pump.
- The boosters are produced as single, double and triple pumps as a standard according to the desired flow. Upon request, up to 6 pumps can be set.
- Single-pump boosters have a water level float (electric floater).
- Phase control system (PCS) is available in single pump, three-phase motorized boosters.
- Sequencing, phase control and liquid level control are standard features for multiple pumped booster pumps.
- Booster pumps can operate in two different modes; automatically and manually.
- Electrical materials used in the booster pump panels are selected from reliable and quality brands.
- The booster pumps can be manufactured as a variable-speed frequency control for convenience.

Material Equivalents

Part Name	Material	
	Standard	Optional
Pump		
Base Plate	GG 25	-
Stage Casing	NORYL	-
Intermediate Stage	NORYL	-
Impeller	NORYL	-
Shaft	AISI 420	-
Cover Plate	AISI 304	-
Panel	Pressure Switch Controlled	Frequency Controlled
Collector	Galvanized Steel	AISI 304
Frame	Galvanized Steel	-
Accessories		
Valve	Brass	-
Check Valve	Brass	-

Booster Designation

Booster Type _____

Number of Pumps _____

Pump Type _____

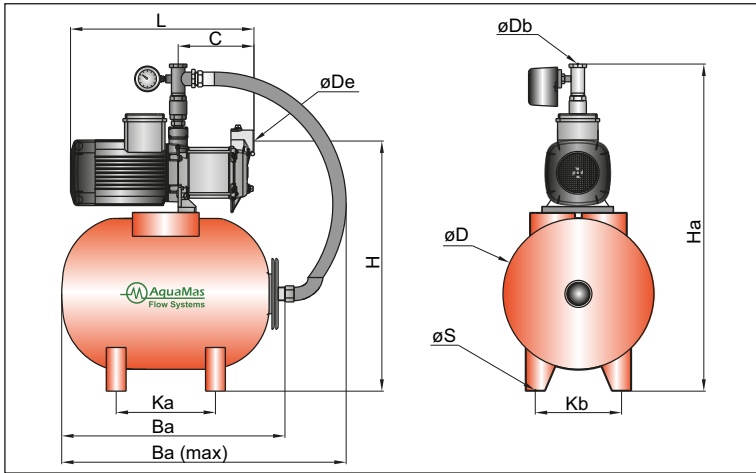
T : Three-phase M : Mono-Phase _____

Vertical Installation _____

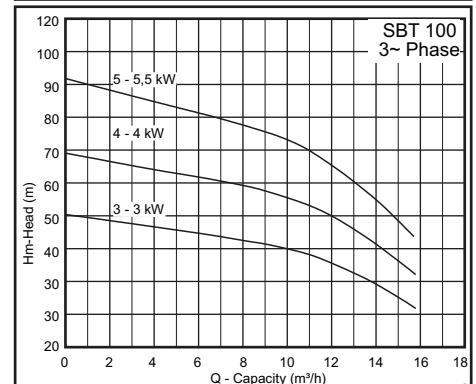
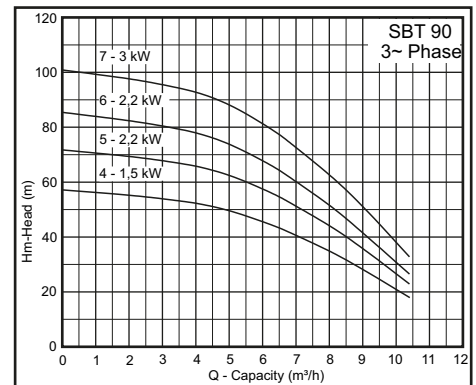
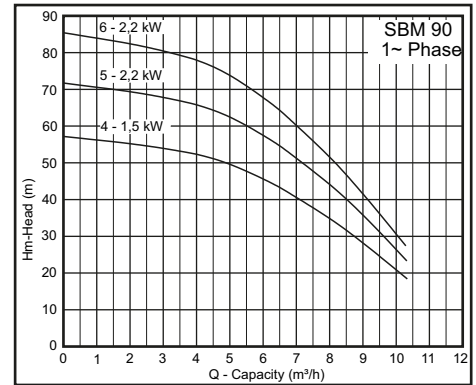
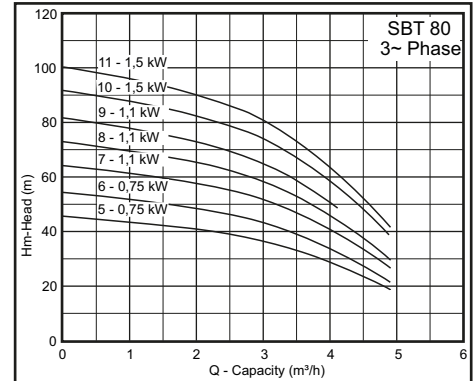
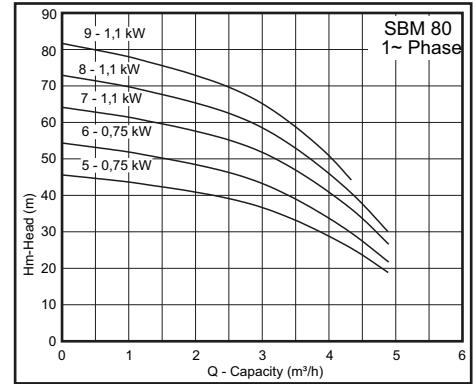
Motor Building Size _____

Number of Stages _____

TH 1x SBT-V 80 /10



Tank	De	Db	Ba	Ba(maks)	H	Ha	Ka	Kb	L	C	øD	øS	KG
24 Tank													
SBM 80/5-24									455	200			25,8
SBM 80/6-24									475	230			26,3
SBM 80/7-24	1 1/4"	1"	480	587	465	669	190	158	500	250	265	10	26,9
SBM 80/8-24									520	270			28,1
SBM 80/9-24									540	295			28,8
24 Tank													
SBT 80/5-24									453	206			24,3
SBT 80/6-24									475	228			24,8
SBT 80/7-24	1 1/4"	1"	480	587	465	669	190	158	497	250	265	10	26,1
SBT 80/8-24									519	272			26,3
SBT 80/9-24									541	294			26,8
SBT 80/10-24									563	316			28,3
SBT 80/11-24									585	338			29
50 Tank													
SBM 80/5-50									453	206			31,7
SBM 80/6-50									475	228			32,2
SBM 80/7-50	1 1/4"	1"	600	696	565	779	220	232	497	250	280	10	32,8
SBM 80/8-50									519	272			34
SBM 80/9-50									541	294			34,7
50 Tank													
SBT 80/5-50									453	206			30,2
SBT 80/6-50									475	228			30,7
SBT 80/7-50	1 1/4"	1"	600	696	565	779	220	232	497	250	380	10	32
SBT 80/8-50									519	272			32,2
SBT 80/9-50									541	294			32,7
SBT 80/10-50									563	316			34,7
SBT 80/11-50									585	338			35
50 Tank													
SBM 90/4-50									489	218			39,3
SBM 90/5-50	1 1/4"	1 1/4"	600	696	603	796	220	232	517	246	380	10	41,3
SBM 90/6-50									545	274			41,8
50 Tank													
SBT 90/4-50									489	218			37,3
SBT 90/5-50	1 1/4"	1 1/4"	600	696	603	796	220	232	517	246	380	10	39,3
SBT 90/6-50									545	274			40,3
SBT 90/7-50									573	302			42,3
80 Tank													
SBM 90/4-80									489	218			44,1
SBM 90/5-80	1 1/4"	1 1/4"	635	828	708	901	330	276	517	246	460	10	46,1
SBM 90/6-80									545	274			46,6
80 Tank													
SBT 90/4-80									489	218			42,1
SBT 90/5-80	1 1/4"	1 1/4"	635	828	708	901	330	276	517	246	460	10	44,1
SBT 90/6-80									545	274			45,1
SBT 90/7-80									573	302			47,1
80 Tank													
SBT 100/3-80									530	219			51,3
SBT 100/4-80	1 1/2"	1 1/2"	635	880	746	1007	330	276	563	252	460	10	52,8
SBT 100/5-80									596	285			58
100T ank													
SBT 100/3-100									530	219			52,6
SBT 100/4-100	1 1/2"	1 1/2"	820	940	746	1007	330	276	563	252	460	10	54,1
SBT 100/5-100									596	285			59,3



	De	Db	Ba	Bb	Ba(max)	Bb(max)	Ha	Ha(max)	Ka	Kb	E	E1	A	C1	w
1xSBM-V 80/5	1 1/4"	1 1/4"	240	230	360	335	517	539	220	180	-	-	85	184	26,5
1xSBM-V 80/6							539	561						206	27
1xSBM-V 80/7							561	583						228	27,6
1xSBM-V 80/8							583	605						250	28,8
1xSBM-V 80/9							605	627						272	29,5

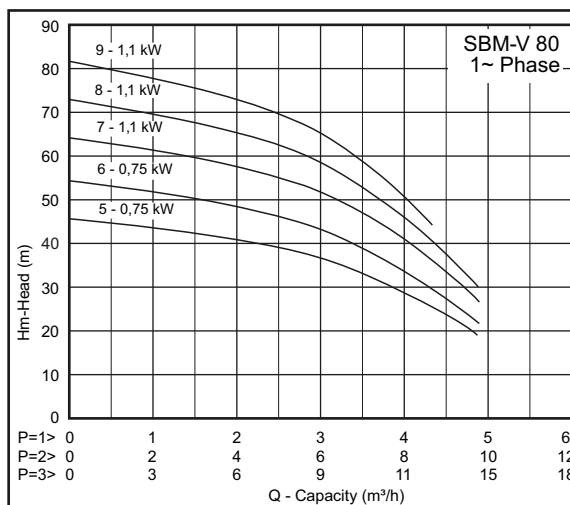
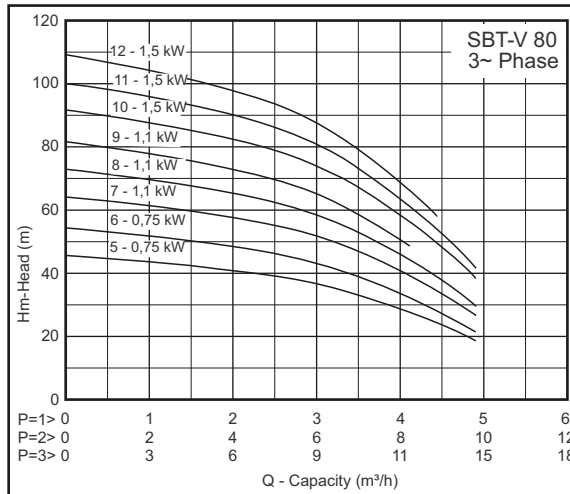
	De	Db	Ba	Bb	Ba(max)	Bb(max)	Ha	Ha(max)	Ka	Kb	E	E1	A	C1	w
1xSBF-V 80/5	1 1/4"	1 1/4"	240	230	360	335	517	517	220	180	-	-	85	184	25
1xSBF-V 80/6							539	539						206	25,5
1xSBF-V 80/7							561	561						228	26,8
1xSBF-V 80/8							583	583						250	27
1xSBF-V 80/9							605	605						272	27,5
1xSBF-V 80/10							627	627						294	29
1xSBF-V 80/11							649	649						316	30
1xSBF-V 80/12							671	671						338	30,5

	De	Db	Ba	Bb	Ba(max)	Bb(max)	Ha	Ha(max)	Ka	Kb	E	E1	A	C1	w
2xSBM-V 80/5	1 1/4"	1 1/4"	700	350	825	445	522		630	320	420	390	90	184	66
2xSBM-V 80/6							544							206	67
2xSBM-V 80/7							566	753						228	69
2xSBM-V 80/8							588							250	71
2xSBM-V 80/9							610							272	72,5
2xSBM-V 80/12							676							338	77,5

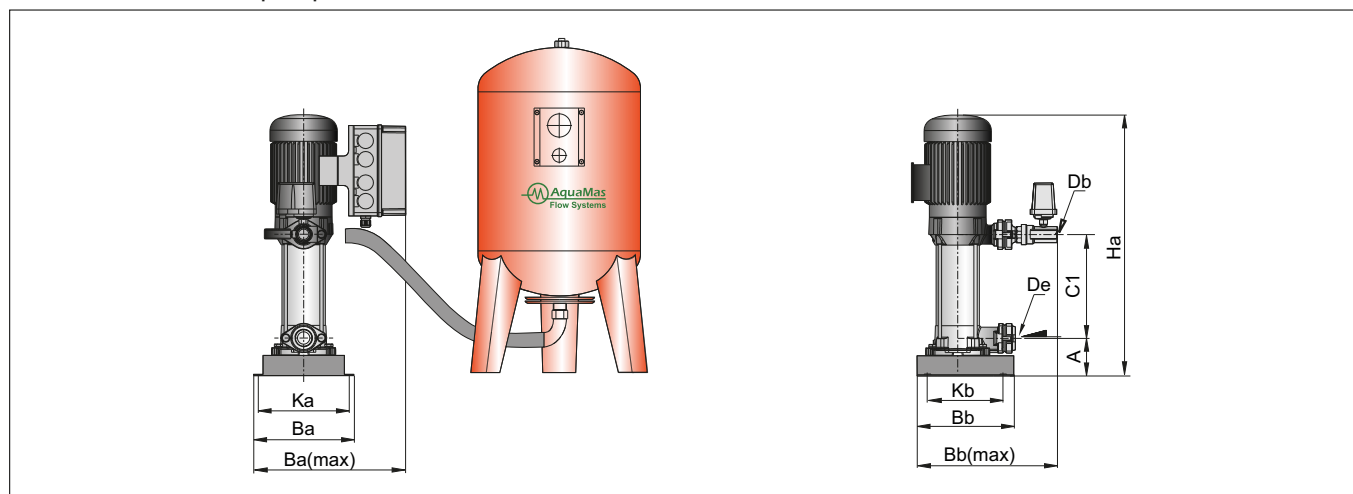
	De	Db	Ba	Bb	Ba(max)	Bb(max)	Ha	Ha(max)	Ka	Kb	E	E1	A	C1	w
2xSBT-V 80/5	1 1/4"	1 1/4"	700	350	825	445	522		630	320	420	390	85	184	63
2xSBT-V 80/6							544							206	64
2xSBT-V 80/7							566	753						228	66,5
2xSBT-V 80/8							588							250	67
2xSBT-V 80/9							610							272	68
2xSBT-V 80/10							632							294	71
2xSBT-V 80/11							654							316	72,5
2xSBT-V 80/12							676							338	73,5

	De	Db	Ba	Bb	Ba(max)	Bb(max)	Ha	Ha(max)	Ka	Kb	E	E1	A	C1	w
3xSBM-V 80/5	1 1/2"	1 1/2"	950	350	1085	460	522		880	320	430	400	90	184	97,5
3xSBM-V 80/6							543	810						206	99
3xSBM-V 80/7							566							228	101
3xSBM-V 80/8							588							250	104
3xSBM-V 80/9							610							272	106

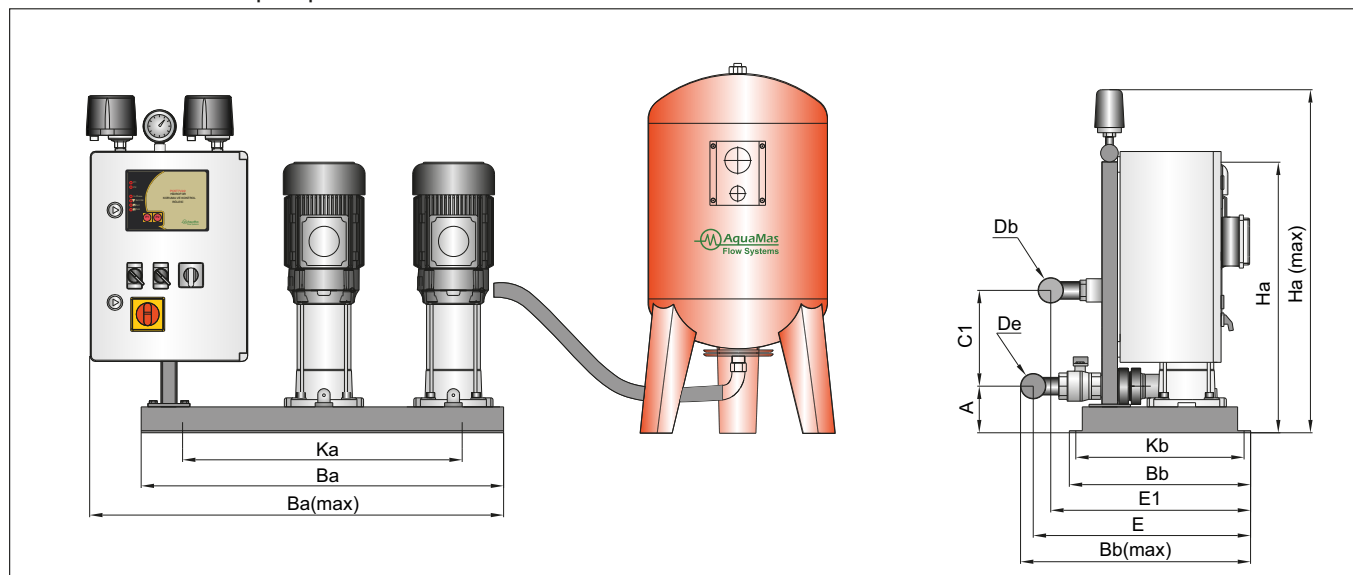
	De	Db	Ba	Bb	Ba(max)	Bb(max)	Ha	Ha(max)	Ka	Kb	E	E1	A	C1	w
3xSBT-V 80/5	1 1/2"	1 1/2"	950	350	1085	460	522		880	320	430	400	90	184	93
3xSBT-V 80/6							544							206	94
3xSBT-V 80/7							566							228	98
3xSBT-V 80/8							588	810						250	99
3xSBT-V 80/9							610							272	100
3xSBT-V 80/10							632							294	105
3xSBT-V 80/11							654							316	107
3xSBT-V 80/12							676							338	109



Booster set with one pump



Booster set with two pump



Booster set with three pump

