

# SBseries

Technical improvements, enhanced total quality management and product support.

Highest power to weight ratio  
SOOSAN breakers are most powerful and productive than other same-class breakers.

Patented unique valve system  
-simple hydraulic circuit  
Well harmonized with simplified hydraulic circuit.

**New Trench Type**



## Specifications

Description	Model unit	SB10II	SB20II	SB30II	SB35II	SB40II	SB43II	SB45	SB50	SB60	SB70	SB81(A)	SB100	SB121	SB130	SB140	SB151
		<b>Operating Weight</b>	kg	78	106	126	198	307	395	599	915	1353	1773	1976/2008	2354	2965	3163
(Incl. Tool & Top Bracket)	lb	172	234	278	436	677	871	1320	2017	2982	3909	4355/4325	5188	6535	6971	7553	8917
<b>Height</b>	mm	1072	1119	1210	1394	1390	1699	2070	2060	2520	2729	2869	3041	3230	3359	3461	3617
(Incl. Tool & Top Bracket)	inch	42.2	44.1	47.6	54.9	54.7	66.9	81.5	81.1	99.2	107.4	113.0	119.7	127.2	132.2	136.2	142.4
<b>Width</b>	mm	162	176	177	233	350	288	357	438	498	620	620	620	710	710	710	760
	inch	6.4	6.9	7	9.3	13.8	11.3	14.1	17.2	19.6	24.4	24.4	24.4	28	28	28	29.9
<b>Oil Flow</b>	l/min	15~30	20~40	25~50	30~60	40~70	50~90	60~100	80~110	90~120	100~150	120~180	150~210	180~240	200~260	200~260	210~290
	gal/min	4~8	5.3~10.6	6.6~13.2	7.9~16	10.6~18.5	13.2~23.8	15.9~26.4	21.1~29.1	23.8~31.7	26.4~39.6	31.7~47.6	39.6~55.5	47.6~63.4	50.8~68.7	50.8~68.7	55.5~76.6
<b>Operating Pressure</b>	kg/cm <sup>2</sup>	90~120	90~120	90~120	100~130	110~140	120~150	130~160	150~170	150~170	160~180	160~180	160~180	160~180	160~180	160~180	160~180
	psi	1280~1707	1280~1707	1280~1707	1422~1849	1565~1991	1707~2134	1849~2276	2134~2418	2134~2418	2276~2560	2276~2560	2276~2560	2276~2560	2276~2560	2276~2560	2276~2560
<b>Impact Rate</b>	bpm	800~1400	700~1200	600~1100	500~1000	500~900	400~800	400~800	350~700	350~650	350~600	350~500	300~450	300~450	250~400	250~350	200~350
<b>Hose Diameter</b>	inch	$\frac{3}{8}, \frac{1}{2}$	$\frac{3}{8}, \frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	1	1	1	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{4}$
<b>Tool Diameter</b>	mm	40	45	53	60	68	75	85	100	125	135	140	150	155	165	165	175
	inch	1.6	1.8	2.1	2.4	2.7	3	3.3	3.9	4.9	5.3	5.5	5.9	6.1	6.1	6.5	6.9
<b>Applicable Carrier</b>	m <sup>3</sup>	~0.7	0.03~0.1	0.06~0.2	0.1~0.25	0.15~0.3	0.2~0.35	0.25~0.5	0.4~0.6	0.5~0.7	0.6~0.8	0.7~0.9	0.9~1.2	1.1~1.4	1.2~1.7	1.2~1.7	1.4~2.0
	ton	0.8~2.5	1.2~3.0	2.5~4.5	3.0~5.5	4.0~7.0	6~9	7~14	11~16	15~18	16~21	18~26	25~30	28~35	30~45	30~45	40~55

• The above specifications are subject to change without prior notice for the quality enhancement.