www.daemo.co.kr

alicon
Powerful Attachment

CREATE! alicon



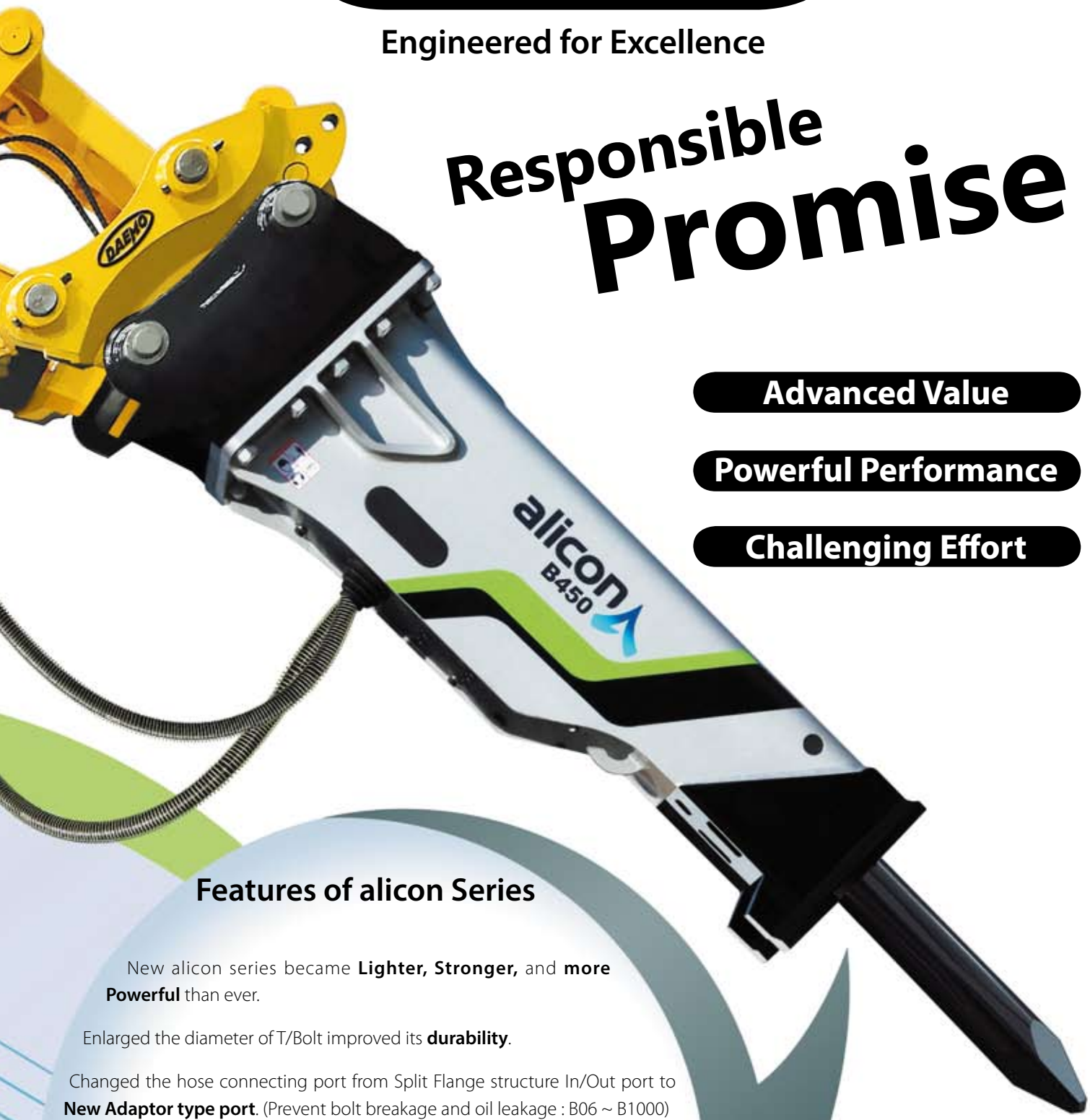
alicon Series
Breakers

Anti Blank Firing
TPC
2 Stroke Control

DAEMO
DAEMO ENGINEERING CO., LTD.

Engineered for Excellence

Responsible Promise



Advanced Value

Powerful Performance

Challenging Effort

Features of alicon Series

New alicon series became **Lighter, Stronger,** and **more Powerful** than ever.

Enlarged the diameter of T/Bolt improved its **durability**.

Changed the hose connecting port from Split Flange structure In/Out port to **New Adaptor type port**. (Prevent bolt breakage and oil leakage : B06 ~ B1000)

Switched Box Housing to **Bending design** for more durability.

Diversified **20 products lines** to fit to any work conditions.

Redesigned chisel pin has improved durability.

Enlarged chisel's diameter improved more **powerful impact**.

Anti Blank Firing system increased the life of breaker (Chisel Pins, T/Bolts, F/Head, etc).

More options: Anti Blank Firing On/Off Valve, TPC system (2 stage stroke valve), Internal Relief Valve, BPM adjust Valve, Provision Hole for underwater works and Auto Grease System.

Anti Blank Firing
TPC
2 Stroke Control

Attachments for Every Requirement

Choice of Options

Auto Grease Bracket Mounted System

This system has many advantages:

- Save human negligence of filling grease.
- To greasing several times a day, manual control does not need.
- Contributing to longer machine life, especially for chisels.
- No extra power source to drive.
- Applicable breakers are from B60 to B1000.

2 Stroke Remote Control System

- 2 Stroke Remote Control System is designed to be connected to Cabin conveniently so that operator can change the required stroke easily without wasting time. (B210 ~ B450, and B1000)
- Improved performance.
- Reduced the amount of wasted energy.









Shape of chisel

Classification	Major Contents		
Moil			Concrete, Rocks, Pavements, Slopes
Wedge			Trench, Slopes, Finishing
Blunt			Quarries
Conical			Concrete, Rocks, Pavements

Choosing the chisel for different rock types

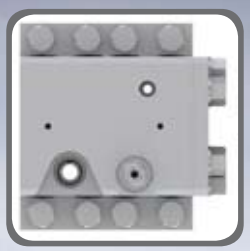
Classification	Rock	Recommended Breakers	Recommended Chisels
Hard Rock	Basanite, Granite Diabase	B140 to B1000	Blunt type, Wedge type
Soft Rock	Sandstone, Limestone Coal	B06 to B1000	Moil type, Wedge type, conical type



alicon Series Breakers

Valve Case with TPC (Total Power Control) System

- Well-balanced Valve Case.
  - Shortened height & length, and wider width for stability.
- Durable Valve Plate.
  - Increased durability by using 6 bolts instead of 4.
- 2 Stroke Selector.
  - Flexible stroke according to your working condition.
  - Long stroke (Primary breaking) / Short stroke (Secondary breaking).
  - B50~180: located on Cylinder, B210~1000: located on Valve Case.
- Options for your better choice.
  - BPM Adjuster, Relief Valve (B210~450).
  - 2 Stroke Remote Control (B210 ~ B450, and B1000).







Seal System

- For longer life.
  - Using 100% NOK seals on the alicon series.
- Increased Durability.
  - Additional square buffer seal for B210 and upper models.
- Minimize piston's shaking action.



ABF (Anti Blank Firing) System

- Protect your breaker.
  - Chisel pins, T/Bolts, and F/Head can be protected from damage.
- Automatical operation.
  - ABF ON: Automatically STOP when blank firing.
- No additional cost.
  - Provide as a standard from B50 to B1000.

alicon Bracket Type



Top Box Type (Low noise) | Top Box Type (Standard) | Top Split Type | Side Type | Skid Loader Type | Backhoe Type

alicon Series Breaker Specification

Item	Unit	B06	B10	B20	B30	B40	B60	B50	B70	B90	B140	B180	B210	B230	B250	B300	B360	B450	B650	B800	B1000
Control Valve Type		Internal built-in control valve						Outer control valve installed without Accumulator						Outer control valve installed with Accumulator							Internal C. valve
Operating Weight (Top Box BKT.)	kg	68	115	150	180	224	375	333	431	614	929	1209	1738	1777	2165	2832	2937	3713	4380	5625	6600
	lb	150	253	330	396	493	827	734	950	1354	2048	2665	3832	3918	4773	6243	6475	8186	9656	12401	14550
Overall Length (w/STD. MTG.BKT.)	mm	1011	1110	1239	1334	1408	1635	1603	1805	1981	2225	2455	2764	2764	2898	3200	3200	3595	3766	4059	4875
	in	39.8	43.7	48.8	52.5	55.4	64.3	63.1	71.1	78	87.6	96.7	108.8	108.8	114.1	126	126	141.5	148.3	159.8	191.9
Overall Length (w.o/MTG. BKT)	mm	873	973	1090	1184	1258	1451	1419	1591	1760	1962	2153	2395	2395	2526	2790	2790	3173	3271	3505	4270
	in	34.4	38.3	42.9	46.6	49.5	57.1	55.9	62.6	69.3	77.2	84.8	94.3	94.3	99.4	109.8	109.8	124.9	128.8	138	168.1
Operating Weight (Side BKT.)	kg	-	-	-	-	162	291	271	380	513	773	1199	1647	1663	2020	2796	2806	3628	-	-	-
	lb	-	-	-	-	357	642	597	750	1131	1704	2643	3631	3666	4453	6164	6186	7998	-	-	-
Overall Length (Side BKT.)	mm	-	-	-	-	1192	1620	1560	1657	1842	1903	2094	2348	2348	2457	2732	2732	3070	-	-	-
	inch	-	-	-	-	46.9	63.8	61.4	65.2	72.5	74.9	82.4	92.4	92.4	96.7	107.6	107.6	120.9	-	-	-
Chisel Out Dia.	mm	40	40	45	53	62	75	70	78	85	105	120	135	140	145	150	155	165	180	200	220
	in	1.6	1.6	1.8	2.1	2.4	3	2.8	3.1	3.3	4.1	4.7	5.3	5.5	5.7	5.9	6.1	6.5	7.1	7.9	8.7
Chisel Length	mm	398	420	500	570	610	780	730	806	850	975	1165	1250	1250	1280	1400	1400	1650	1500	1700	1900
	in	16	16.5	19.7	22.4	24	30.7	28.7	31.7	33.5	38.4	45.9	49.2	49.2	50.4	55.1	55.1	65	59.1	66.9	74.8
Setting Pressure	kgf/cm²	150	150	150	150	150	180	170	180	190	190	210	210	210	210	210	210	210	240	240	240
	psi	2134	2134	2134	2134	2134	2560	2418	2560	2702	2702	2987	2987	2987	2987	2987	2987	2987	3414	3414	3414
Working Pressure	kgf/cm²	70 ~110	70 ~110	80 ~120	80 ~120	100 ~140	100 ~140	100 ~140	100 ~140	100 ~140	120 ~160	120 ~170	130 ~170	130 ~180	140 ~180	140 ~180	140 ~180	140 ~180	150 ~190	150 ~190	175 ~200
	psi	996 ~1565	996 ~1565	1138 ~1707	1138 ~1707	1422 ~1991	1422 ~1991	1422 ~1991	1422 ~1991	1422 ~1991	1707 ~2276	1707 ~2418	1849 ~2418	1849 ~2560	1991 ~2560	1991 ~2560	1991 ~2560	1991 ~2560	2134 ~2702	2134 ~2702	2489 ~2845
Oil Flow	lpm	10 ~22	15 ~30	20 ~40	25 ~45	30 ~50	35 ~70	30 ~55	45 ~80	50 ~100	90 ~110	100 ~140	110 ~160	130 ~170	150 ~210	180 ~250	180 ~250	200 ~280	280 ~400	320 ~450	380 ~455
	gpm	2.6 ~5.8	4.0 ~7.9	5.3 ~10.5	6.6 ~11.8	7.9 ~13.2	9.2 ~18.5	7.9 ~14.5	11.9 ~21.1	13.2 ~26.4	24 ~29	26.4 ~37	29.1 ~42.3	34.3 ~44.9	39.6 ~55.5	47.6 ~66.0	47.6 ~66.0	52.8 ~74.0	74.0 ~105.7	322 ~119.9	100.4 ~120.2
Blow Rate (H/Speed)	BPM	900~ 1300	600 ~ 1200	600 ~ 1200	600 ~ 1100	500 ~ 1000	350 ~900 (450 ~ 1000)	350 ~900 (450 ~ 1000)	350 ~850 (450 ~ 1100)	300 ~700 (550 ~ 950)	350 ~550 (500 ~ 750)	350 ~550 (450 ~ 600)	350 ~500 (450 ~ 600)	250 ~400 (350 ~ 500)	250 ~350 (300 ~ 450)	200 ~350 (300 ~ 480)	200 ~350 (300 ~ 480)	200 ~300 (300 ~ 450)	250 ~420 (300 ~ 500)	230 ~370 (300 ~ 480)	300 ~360 (300 ~ 475)
Back Head N: Gas Pressure	kgf/cm²	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	16	11	11
	psi	171	171	171	171	171	171	171	171	171	171	171	156	156	156	156	156	156	228	156	156
Suitable Exca.	ton	0.5 ~1.2	1 ~1.5	1 ~2.5	2 ~4	3 ~4.5	5 ~7	3 ~8	6 ~8	7 ~12	10 ~15	16 ~20	18 ~25	18 ~25	22 ~29	26 ~32	28 ~36	40 ~50	42 ~81	55 ~100	85 ~140
	lb	1102~ 2646	2205~ 3307	2205~ 5516	4409~ 8818	6614~ 9921	8818~ 17637	6614~ 17637	11020~ 17637	13228~ 19842	22046~ 33069	35274~ 44092	39683~ 55116	39683~ 55116	48502~ 63934	57320~ 70548	61729~ 79366	88185~ 110231	92594~ 178574	121254~ 220462	187393~ 308647



Suitable Excavators

BREAKER

MODEL	TON	HYUNDAI	CATERPILLAR	KOMATSU	HITACHI	VOLVO	DOOSAN	JCB
B10 (B06)	0.5~1.5	R16-9	300.9D, 301.4C	PC09-1F, PC09-1	ZX16-3, ZX17U-2			8018
B20	0.8~3	R27Z-9, R25Z-9A	301.7D CR, 302.2D, 302.4D,	215, PC12R-8 PC09-1	ZX22U-2, ZX29U-3		DX27Z	8025
B30	1.2~4	R35Z-9	302.7D CR	218, PC15R-8, PC20MRx-1, PC20R-8, 226, 232, PC14R-3, PC16R-3, PC18MR-3, PC20MR-2, PC26MR-3, PC30MR-3, PC35MR-3	ZX33U-5A, ZX38U-5A	EC15B, EC20B, ECR28, EC30	DX30Z	8029
B40	3~5	R35Z-9, HSL850-7A	303C CR, 303.5C CR,		ZAXIS 50	EC30, ECR38, EC35	DX35Z	8035ZTS, 8040
B50	4~6	R55-9, R55W-9, R60-9S, R60W-9S, R60CR-9, H930, H940	304C CR, 304C CR, 305C CR, 305.5E CR	PC40MRx-1, PC45R-8, 250, PC45MR-3, PC50MR-2, PC55MR-3	ZX48U-5, ZX55U-5	EC45 Pro, ECR58 Plus, EC55B, EC55C, EW60C	DX55ACE, DX55MT	8045, 8050, 8055
B60	5~7	R60CR-9, R60-9S, R60W-9S, HX60	416, 416B	PC60	ZX65USB-5, ZAXIS 75	EC55, EW55		8065, 3CX
B70	6~8	H930S, H940S, H930C, H940C, R60-9	308D CR, 307D	PC75MR-6, PW75R-2, PC78US-6	EX70, TATA315	ECR88 Plus		8085, 4CX
B90	7~12	R80-7, R80CR-9	308D CR, 308CR SB	PC95R-2, PC110R-1, PW110R-1, PW95R, PC80MR-3, PC88MR-8	ZX85US-5			
B140	10~15	R140LC-9, R140LC-9S, R140W-9, R140W-9A, R140W-9S, R145LCR-9, R145LCR-9A, R140W-7, HX140	311C Utility, 311C, 311D LRR, 312D, 312D L, 314D LCR, M313D, M315D	PC130-7, PC138US-2, PW110R-1, PW120ES-6, PC130-8, PC138USLC-8	EX110, ZX120	EC140B, EC145LC, EW140C, EW145B Prime, EC140B Prime, EC140C, ECR145C	DX140	JS145
B180	16~20	R160LC-9, R160LC-9S, R170W-9, R180LC-9, R180LC-9S, R180W-9A, R180W-9S, R170W-7, R160LC-9, HX180	315D L, 318C L, 319D LN, M316D, M318D	PC160LC-7, PC180LC-7, PW150ES-6, PW170ES-6	ZX160LC-5, ZX180LC-5	EC160C, EC180C, EW160C		JS160
B210	18~25	R210LC-9, R210NLC-9, R210W-9, R210W-9S,	320D, 320D L, M322D	PC210LC-7, PC210NLC-7, PW200-7, PW220, PC200LC-8, PC200LC-8, PC200-8, HB205-1, HB215LC-1	EX200, ZX210	EC210C, EC210B, EC210B Prime, ECR235C, EW205D	DX220LC	JS220
B230	18~25	R220LC-9A, R220LC-9S, R220LC-9SH, R235LCR-9, R235LCR-9A, HX220	323D L, 323D LN, 323D LRR, 321C LCR, M322D	PC230NHD-7, PC230NHD-7, PC228USLC-3, PC240NLC-7	ZX220LC, ZX225	EC240B, ECR235CL	DX220LC	JS220, JZ235
B250	22~29	R250LC-9, R260LC-9A, R260LC-9S, HX260L	323D S, 324D, 324D L, 330	PC240NLC-7, PC270LC-8	ZX240N-5	EC240B		JS260
B300	26~32	R290LC-9, R300LC-9A, R300LC-9S, R300LC-9SH, R320LC-9, R330LC-9A, R330LC-9S, R330LC-9SH, R380LC-9, R380LC-9A, R380LC-9SH, R430LC-9, R430LC-9A, R430LC-9SH, HX300L, HX330L, HX380L	350D L, 324D LN, 328C LCR, 329D, 330D L, 336D, 325D L, 325LN, 328D LCR, 329D L, 336D L	PC290LC-7, PC300HD-7, PC340LC-7, PC308USLC-3, PC300LC-8, PC350LC-8, HB335LC-1	ZX290LC-5		DX300	JS330
B360	28~40				EX350, ZX370 ZX350LC-5	EC290B, ECR305CL, EC360B, EC290B Prime, EC360B Prime, EC360C	DX360	JS360
B450	38~50	R480LC-9, R480LC-9A, R480LC-9S, HX480	345C L, 345C, 345D, 345 DL	PC350HD-8, C400LC-8, PC450-7, PC450LC-8	ZX470, ZX450	EC460B	DX380LC, DX480LCA DX500LCA	
B650	42~81	R520LC-9, R520LC-9A, R520LC-9S, HX520L	349E	PC600-7, PC600LC-7, PC600-8	ZX520, ZX650H	EC460C	DX520LCA, DX700LCA	
B800	55~100	R800LC-9	365CL, 365C, 385C L, 385C, 374D L, 390D L	PC750LC-7,PC800LC-8, PC850SE-8EO	ZX670	EC700B	DX700LCA	
B1000	85~120	R1200-9		PC1250SP-8	ZX870H, EX1200-6			



alicon Series Breakers - Application

Contents	B06	B10	B20	B30	B40	B50	B60	B70	B90	B140	B180	B210	B230	B250	B300	B360	B450	B650	B800	B1000
Underwater works	-	-	-	-	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●
Auto Greasing System Hole	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
TPC(Total Power Control) System Selector Type	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ABF(Anti Blank Firing) System	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Auto Greasing Unit	-	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●
Central Grease Supply Unit	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
BPM Adjuster	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	●	●	-
Internal Relief Valve	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	-	-	-
TPC(Total Power Control) System Remote Control Type	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	-	-	●
Low Noise Housing Bracket	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Standard
Option



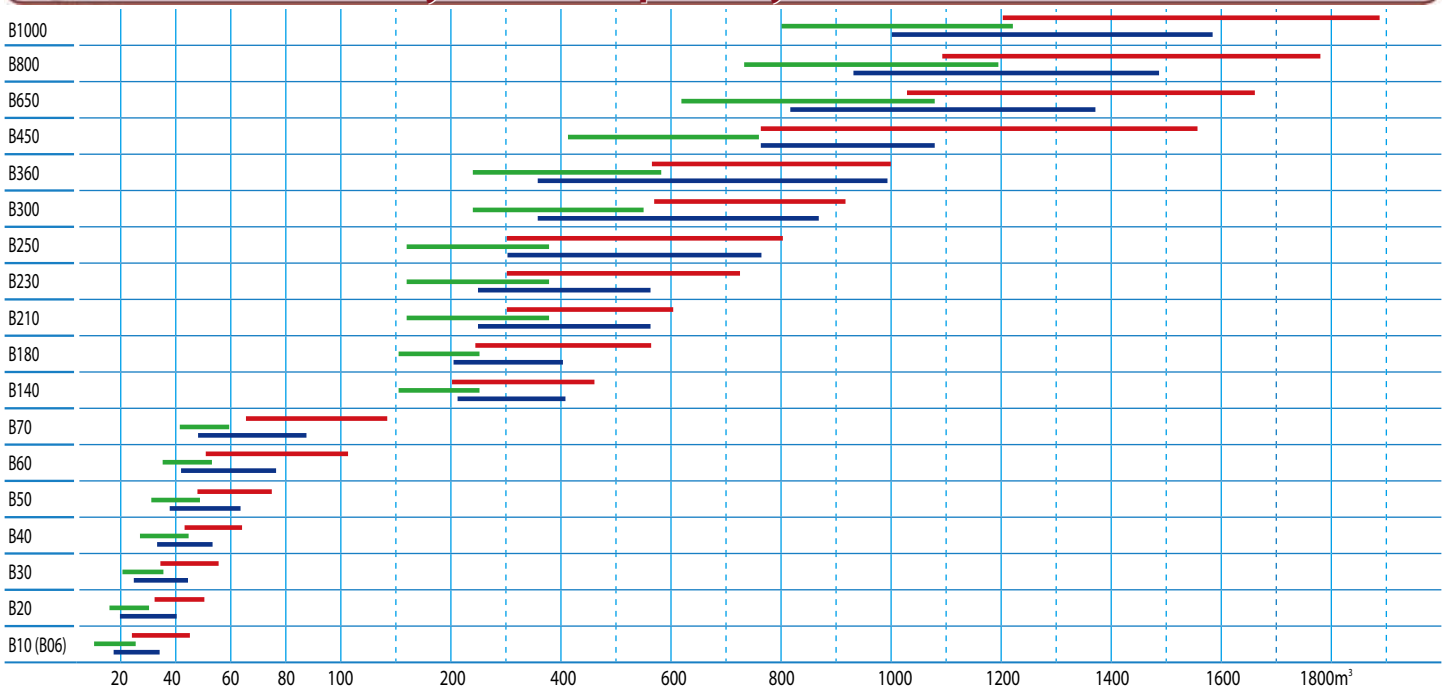
Suitable Excavators

BREAKER

MODEL	TON	CASE	KOBELCO	NEW HOLLAND	JOHN DEER	LIEBHERR	HIDROMEK	SUMITOMO
B10 (B06)	0.5~1.5		SK09SR	E95R, E18, E18 SR, E9 SR				
B20	0.8~3	CX17B		E16, E20, 25R				
B30	1.2~4	CX16B, CX18B, CX20B ZTS, CX22B ZTS, CX27B ZTS	SK015MSR, SK016MSR, SK25SR-2, 27SR	E27, EC22.2SR, E18B, E27.2SR	17D, 27D, 35D			
B40	3~5	CX31B ZTS, CX36B ZTS	SK30SR-2, 35SR	E30.2SR, E35.2SR				
B50	4~6	CX40B ZTS, CX50B ZTS	SK45SR-2, 50SR	E40.2SR, E50.2SR	50D, 60D, JD315, JD410		HMK101B, 101S	
B60	5~7	580CK, 580, CX55B	SK55		310			SH60B
B70	6~8	CX75C SR	SK70SR, SK75SR-3E, SK80MSR	E70SR, E80MSR	80, 75D		HMK102B, 102BC, 102S	
B90	7~12	CX80, WX95, WX95 Series2	70SR, 80CS, SK85MSR-3E		85D			
B140	10~15	CX130, CX180, WX165, WX145, WX125 Series2, WX145 Series2	SK115SR, SK135SRLC, SK135SRL, 140SR	E115SR, E145, MH2.6, MH3.6, E135B.MH CITY	120C, 135C RTS, 120D, 135D, 130G	A312 Litronic, A314 Litronic	HMK140LC-2,3,4, HMK140W	SH130-5
B180	16~20	CX160, CX180, WX165, WX185, WX165 Series2, WX185 Series2,	SK160LC, SK170LC, ED150	E175, EW160, E135B SR, E150B, E175B, MH PLUS	160CLC, 160DLC, 190D W Wheeled, 200D, 200DLC	A316 Litronic, A900C, A900C Litronic	HMK200W	SH160-5
B210	18~25	CX210B, WX210, WX210 Series2, WX240 Industry Series2	SK200SRLC, SK210NLC, ED195, SK210LC	E200SR, E195B, MH5.6, MH6.6, MH8.6	180G LC, 210C LC		HMK2WLC-2,3,4, HMK210LC-2,3,4	
B230	18~25	CX230, CX225SR, WX240, WX240 Series2, WX240 Industry Series2	SK210, 215SR, SK230SR-3, SK235SR,	E215, EW220, E215BLC, E215B, E225B SR	225C RTS, 230C LC, 225D LC	A904C, A904C Litronic, A914C Litronic		SH210-5, SH210LC-7
B250	22~29	CX240B, CX235C SR, CX250C, CX290	235SR, SK250LC, SK260LC, SK260SRLC-3	E265LC SLF, E245, E235SR, E245LC, 235BSR, E245B, E265B,	240D LC, 270D LC, 245G	A924C Litronic, R914C Litronic, R924 Compact	HMK300LC	SH240-5
B300	26~32					R935C, A934, A934C Litronic Material Handler, R934C Litronic		SH330-5, SH330LC-5, SH350HD-5, SH350LHD-5,
B360	28~40	CX290, CX300C, CX330, CX350	SK295LC, SK330NLC, SK350LC	E335, E385, E305B, E385B	330C LC, 370C, 350D LC		HMK370LC	
B450	38~50		SK480LC	E485, E385B, E485B	450C LC, 450D LC	R944C Litronic	HMK540LC, HMK490LC	SH450LHD-5, SH460HD-5, SH480LHD-5, SH500LHD-5
B650	42~81	CX470C	SK485LC, SK500LC-9		600C LC, 650D LC	A944, A944C HD Litronic Material Handler		SH700LHD-5
B800	55~100	CX700, CX800B	SK600, SK850LC Super Acera	E805	800C, 850D LC	R964C Litronic, A954C, A954C HD Litronic Material Handler		SH800LH-5
B1000	85~120							



Productivity (8 hours per day)



Hard Sand Stone
Reinforced Concrete
Non-Reinforced Concrete

Productivity can be changed depending on operator's skill, using machine and job site condition.
The above data is reference purpose only.

Quality Management System



BMS Board & Ultra Sonic Machine | Test Bench | Test Facility

DAEMO ENGINEERING CO., LTD.

BS EN ISO 9001-2000 BS EN ISO 14001

DAEMO ENGINEERING CO., LTD (HEAD QUARTER)
ADDRESS : 15, GUNJACHEON-RO, SIHEUNG-SI, GYEONGGI-DO, KOREA
TEL : +82-31-488-6000 (Rep.) / FAX : +82-31-496-0066
Internet : http://www.daemo.co.kr
E-mail : paul@daemo.co.kr (Mr. Paul Kim)
roren@daemo.co.kr (Ms. Roren Lee)

DAEMO EUROPE N.V.
ADDRESS : MOESTOEMAATHEIDE 15, B-2440 GEEL, BELGIUM
TEL : +32 (0)14 / 59.23.63
FAX : +32 (0)14 / 59.03.16
Mobile : +32-472-220-496
E-mail : smilk@daemo.co.kr (Mr. Bread Joon)
steve@daemo.co.kr (Mr. Steve Kim)

DAEMO AMERICA INC.
ADDRESS : 6675 DOOLITTLE AVE BLDG A, RIVERSIDE, CA 92503, USA
TEL : +1-951-688-8300 / FAX : +1-951-688-8500
Mobile : +1-951-756-9555
E-mail : samkim@daemo.co.kr (Mr. Samuel Kim)
william@daemo.co.kr (Mr. William Kim)

CHANGZHOU DAEMO MACHINERY CO., LTD.
ADDRESS : No269, Huanghexi Rd, XueJia Industial Complex, Changzhou City, Jiangsu Province, China
TEL : +86-0519-8595-9000 / FAX : +86-0519-8595-9009
Mobile : +86-1865-198-0033
E-mail : nshee666@daemo.co.kr (Mr. Nam)

PLEASE CONTACT

ISSUE : 2016. 6, Printed in KOREA