HDB Series Breaker Specification

ltem	Unit	HDB10	HDB20	HDB40	HDB50	HDB70	HDB90	HDB140	HDB180	HDB210	HDB250	HDB300	HDB360	HDB450	HDB600	HDB800
Operating Weight	kg	115	150	224	333	431	614	929	1209	<mark>1738</mark>	2165	2832	2937	3713	4105	5625
(Top Box BKT.)	lb	253	330	493	734	950	1354	2048	2665	<mark>3832</mark>	4773	6243	6475	8186	9050	12401
Overall Length	mm	1110	1239	1408	1603	1805	1981	2225	2455	<mark>2764</mark>	2898	3200	3200	3595	3616	4059
(w/STD. MTG.BKT.)	in	43.7	48.8	55.4	63.1	71.1	78.0	87.6	96.7	<mark>108.8</mark>	114.1	126.0	126.0	141.5	142.4	159.8
Overall Length	mm	973	1090	1258	1419	1591	1760	1962	2153	2395	2526	2790	2790	3173	3133	3505
(w.o/MTG. BKT)	in	38.3	42.9	49.5	55.9	62.6	69.3	77.2	84.8	<mark>94.3</mark>	99.4	109.8	109.8	124.9	123.3	138.0
Chisel Out	mm	40	45	62	70	78	85	105	120	<mark>135</mark>	145	150	155	165	180	200
Dia.	in	1.6	1.8	2.4	2.8	3.1	3.3	4.1	4.7	<mark>5.3</mark>	5.7	5.9	6.1	6.5	7.1	7.9
Chisel	mm	420	500	610	730	806	850	975	1165	<mark>1250</mark>	1280	1400	1400	1650	1500	1700
Length	in	16.5	19.7	24.0	28.7	31.7	33.5	38.4	45.9	<mark>49.2</mark>	50.4	55.1	55.1	65.0	59.1	66.9
Settig	kgf/cm ²	150	150	150	170	180	190	190	210	<mark>210</mark>	210	210	210	210	240	250
Pressure	psi	2134	2134	2134	2418	2560	2702	2702	2987	<mark>2987</mark>	2987	2987	2987	2987	3414	3556
	kgf/cm2	70~	80~	100~	100~	100~	100~	120~	120~	<mark>130~</mark>	140~	140~	140~	140~	150~	150~
Working		110	120	140	140	140	140	160	170	<mark>170</mark>	180	180	180	180	190	190
Pressure	psi	996~	1138~	1422~	1422~	1422~	1422~	1707~	1707~	<mark>1849~</mark>	1991~	1991~	1991~	1991~	2134~	2134~
	1	1565	1707	1991	1991	1991	1991	2276	2418	<mark>2418</mark>	2560	2560	2560	2560	2702	2702
lpm	Ipm	15~	20~	30~	30~	45~	50~	90~	100~	<mark>110~</mark>	150~	180~	180~	200~	280~	322~
Oil Flow		30	40	50	55	80	100	110	140	<mark>160</mark>	210	250	250	280	398	454
	gpm	4.0~	5.3~	7.9~	7.9~	11.9~	13.2~	24~	26.4~	<mark>29.1~</mark>	39.6~	47.6~	47.6~	52.8~	74.0~	85.1~
	51	7.9	10.5	13.2	14.5	21.1	26.4	29	37.0	<mark>42.3</mark>	55.5	66.0	66.0	74.0	105.1	119.9
					350~	350~	300~	350~	350~	<mark>350~</mark>	250~	200~	200~	200~	294~	231~
Blow Rate	BPM	600~	600~	500~	900	900	700	550	550	500	350	350	350	300	480	374
(H/Speed)	DIW	1200	1200	1000	(450~	(450~	(550~	(500~	(500~	<mark>(450~</mark>	(300~	(300~	(300~	(300~	(368~	(298~
					1000)	1000)	950)	750)	850)	<mark>600)</mark>	450)	480)	480)	450)	600)	484)
Back Head N ²	kgf/cm ²	12	12	12	12	12	12	12	12	<mark>. 11</mark>	11	11	11	11	11	11
Gas Pressure	psi	171	171	171	171	171	171	171	171	<mark>156</mark>	156	156	156	156	156	156
	ton	0.5~1.5	1~2.5	3~4.5	3~8	5~8	6~9	10~15	16~20	<mark>18~25</mark>	22~29	26~32	28~36	40~50	42~81	55~100
Suitable Exca.	lb	1102~	2205~	6614~	6612~	11020~	13228~	22046~	35274~	<mark>39683~</mark>	48502~	57320~	61729~	88185~	92594~	121254~
		3307	5512	9921	17637	17637	19842	33069	44092	55116	63934	70548	79366	110231	178574	220462

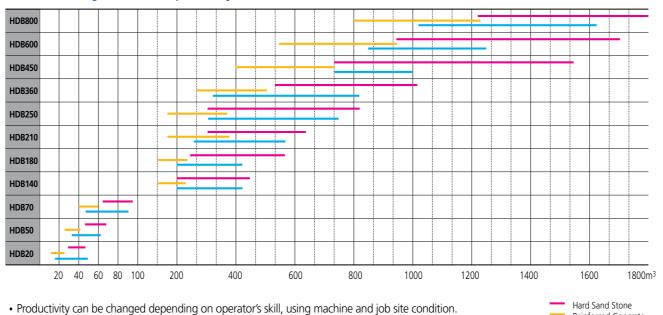
Suitable Model

Item	HDB10	HDB20	HDB40	HDB50	HDB70	HDB90	HDB140	HDB180	HDB210	HDB250	HDB300, B360	HDB450	HDB600	HDB800
Model	R16-9	R27Z-9 R25Z-9A	R35Z-9 HSL850-7A	R55-9 R55W-9 R60-9S R60W-9S R60CR-9	H930S H940S H930C H940C R60-9	R80CR-9	R140W-9 R140W-9A R140W-9S R145LCR-9 R145LCR-9	R160LC-9S R170W-9 R180LC-9 R180LC-9S R180W-9A	R210W-9S R220LC-9A R220LC-9S R220LC-	R250LC-9 R260LC-9A R260LC-9S	R290LC-9 R300LC-9S R300LC-9SH R320LC-9SH R320LC-9A R330LC-9S R330LC-9SH R380LC-9 R380LC-9A R380LC-9SH R430LC-9A R430LC-9A R430LC-9A	R480LC-9A	R520LC-9 R520LC-9A R520LC-9S	R800LC-9

HDB Application

Contents	HDB10	HDB20	HDB40	HDB50	HDB7
Underwater works	-	-	•	•	•
Auto Greasing System Hole	-	-	-	-	•
TPC(Total Power Control) System Selector Type	-	-	-	•	•
ABF(Anti Blank Firing) System	-	-	-	•	•
Energy Regeneration Valve	-	-	-	-	-
Auto Greasing Unit	-	-	-	-	•
Central Grease Supply Unit	-	-	-	-	•

Productivity (8 hours per day)



 Productivity can be changed depending on operator's skill, using mac The above data is reference purpose only.



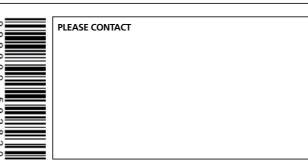
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HDB Series Breakers



Standard :
, Option :

Hard Sand Stone Reinforced Concrete Non-Reinforced Concrete





2013.11 Rev. 1



The Best Selection for Your Job!

Powerful Performance Advanced Technology M Innovative Durability

Features for HDB Series Breakers

The new HDB series has innovating technology, unmatched durability and high productivity.

HDB series offer high performance and optimum durability by enlarging the diameter of the T/Bolt.

Changing the hose connecting port from a split flange structure (in/out port) to a new adapter type port avoid bolt breakage and oil leakage.

Hyundai breakers have an optimised form and intelligent look. The box housing is specially designed for advanced durability.

Hyundai breakers have a more powerful impact by enlarging the chisel's diameter, the bigger diameter also increases the strength of the chisel and therefore also improves durability.

The product range consists of 15 diversified products to fit any work conditions.

More options : Anti-Blank Firing On/Off Valve, TPC System(2 stages stroke valve), Provision Hole for underwater works and Auto Grease System.

Hyundai breakers ensure long life for the tools (Chisel Pins, T/Bolts, F/Heads, etc.) by applying the Anti-Blank Firing system.

Tool & Option



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 HDB70 to HDB800.





Classificat

Moil

Wedge

Blunt

Conical

B210

9

Technology

Shape of Chisel

ion	Major Contents						
		Concrete, Rocks, Pavements, Slopes					
		Trench, Slopes, Finishing					
	•	Quarries					
	•	Concrete, Rocks, Pavements					

Choosing the Chisel for Different Rock Types

tion	Rock	Recommended Breakers	Recommended Chisels		
ck	Basanite, Granite Diabase	HDB140 to HDB800	Blunt type,		
CK	basante, Grante Diabase	1100140101100000	Wedge type		
k	Sandstone, Limestone Coal	HDB10 to HDB800	Moil type, Wedge type,		
к	Sandstone, Linestone Coa	100101010000	conical type		

Seal System



on the HDB series, we have achieved longer seal life On models HDB210 and up, an additional square buffer seal was added to

increase the durability of the gas seals, step seals, and the piston.

• This buffer seal also helps to minimise the piston's shaking action.

ABF(Anti Blank Firing) System with Auto Control Valve



ABF(Anti Blank Firing) System is provided as a standard starting from HDB50 to HDB800 Model. • This system will help to protect the Chisel pins, T/Bolts and Front heads

from Blank Firing, and it is suitable for all kinds of working environment.

- When Auto control valve is turned on, breaker operation will automatically start again by giving a small amount of pressure to Chisel, It will automatically stop when chisel is lift up or after breaking.
- But, from HDB600 to HDB800 models can not turn off the auto control valve to protect the breaker more perfectly.
- The distinctive feature will protect the equipment from Secondary breaking and amateur's operation by having the functioning of Anti Blank Firing automatically on breaker.

