



Light material handling breaker

Designed for breaker operating champion in dedicated light material breaking application.

DandA 200C		
Operating weight	kg	1,577
	lb	3,477
Required oil flow	l/min	100-120
	g/min	26.42-31.70
Operating pressure	kg/cm ²	140-180
	psi	1,991-2,560
Number of blow	Power mode bpm	300-410
	Speed mode bpm	360-510
Relief valve setting pressure	kg/cm ²	210
	psi	2,987
Tool diameter	mm	135
	inch	5.31
Suitable carrier	ton	18-22
	lbs	39,683-48,502

* Above numbers are subject to change without prior notice, only provided for references in combination with carrier hydraulic performance.
 * Above operating weight includes 1 working tool, 2 hoses and 1 mounting bracket with 2 pins that are supplied by the manufacturer only.



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Backhoe loader breaker



		DandA 40V	DandA 60V	DandA 70DX	DandA 80DX
Operating weight	kg	325	412	518	600
	lb	717	908	1,143	1,323
Required oil flow	l/min	35-70	40-110	45-100	50-100
	g/min	9.25-18.49	10.57-29.06	11.89-26.42	13.21-26.42
Operating pressure	kg/cm ²	110-165	120-165	140-170	140-170
	psi	1,565-2,347	1,707-2,347	1,991-2,418	1,991-2,418
Number of blow	Power mode bpm	380-1,000	380-900	400-800	350-700
	Speed mode bpm	380-1,000	380-900	600-1,100	490-1,000
Relief valve setting pressure	kg/cm ²	175	175	175	175
	psi	2,489	2,489	2,489	2,489
Tool diameter	mm	70	75	80	90
	inch	2.76	2.95	3.15	3.54
Suitable carrier	ton	3.0-6.5	4.5-8.0	4.5-8.0	6.0-10.0
	lbs	6,614-14,330	9,921-17,637	9,921-17,637	13,228-22,046

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Skid steer loader breaker



		DandA 17V	DandA 40V	DandA 60V	DandA 70DX
Operating weight	kg	270	357	430	542
	lb	595	787	948	1,195
Required oil flow	l/min	23-70	35-70	50-125	70-140
	g/min	6.08-18.49	9.25-18.49	13.21-33.02	18.49-36.98
Operating pressure	kg/cm ²	100-190	110-190	120-190	140-190
	psi	1,422-2,702	1,565-2,702	1,707-2,702	1,991-2,702
Number of blow	Power mode bpm	600-1,500	380-1,000	380-900	400-800
	Speed mode bpm	600-1,500	380-1,000	380-900	600-1,100
Relief valve setting pressure**	kg/cm ²	230	230	230	230
	psi	3,271	3,271	3,271	3,271
Tool diameter	mm	57	70	75	80
	inch	2.24	2.76	2.95	3.15
Suitable carrier	ton	1.5-4.0	3.0-6.5	4.5-8.0	4.5-8.0
	lbs	3,307-8,818	6,614-14,330	9,921-17,637	9,921-17,637

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 ** Head Cap gas pressure 10-12 bar.



HYDRAULIC BREAKERS

DX SERIES

Floating power cell & bolt free enclosed housing

- Prevent carrier boom & arm fatigue failure
- No metal to metal contact
- Floating and fully enclosed power cell
- Extend breaker & carrier service life
- Low noise
- Suitable for all applications, particularly including trenching, quarry & mining

Lubrication

- Various lubrication systems available
 - Hydraulic auto lube system
 - Mechanical auto lube system
 - Manual lube system

Advanced internal valve system

- Built in cylinder
- Energy efficiency
- Oil leakage free
- Thicker flesh cylinder block
- Least maintenance & repair requirement

Work mode selector

- Optimize power and speed upon application requirements
- Enable maximum productivity in all applications from light to severe duty material breaking
- Available for DandA 70DX & above

Easy start

- Fast response time to breaker activation signal
- Significantly increase productivity at light or interior demolition applications
- Suitable for skid steer loader breaker applications
- Available for DandA 17V, 40V & 60V

Large capacity accumulator & diaphragm

- Proactively prevent carrier hydraulic part fatigue failure
- Accelerate striking performance
- Prevent cavitation
- Increase seal & diaphragm service life
- Available for DandA 40V & above (excluding skid steer loader breaker)

Bottom plate

- Anti-abrasive high tensile raw material
- Fully enclosed lower bush & front head block
- Minimize debris & dust entering percussion chamber
- Increase service life of housing, tool, lower bush & front head

Working tool

- Heat treatment of core as well as surface
- Optimum balance for longer wear life and crack prevention
- Variety of conventional and special tool types



Large capacity gas chamber & optimum piston size

- Hybrid energy efficiency design
- Higher impact power delivery
- Least oil flow consumption
- Durable piston design - larger surface contacting working tool
- Dampening repercussion vibration force
- Preventing carrier structure fatigue failure

External gas charging

- Gas charging from external housing
- No need of housing or lubrication device disassembly
- Least maintenance time
- Designed for maintenance at the job site



Air supply channel

- Built in air supply channel
- Prepared for underwater, tunneling & severe dusty applications



Anti-blank firing system (auto stop)

- Auto cut off hydraulic power when the material is fully broken
- Ensure service life of tool pin, working tool, front head, piston, through bolt and diaphragm even at the frequent dry firing applications such as rental, secondary rock breaking & scaling
- Available for DandA 80DX & above, on demand for DandA 60V & 70DX

Heavy duty front head block

- Significantly enhanced front head duty level
- Extend front head service life
- Available for DandA 100DX & above

Tool pin hole protector

- Minimize direct contact between holes and material to break
- Protect tool pin hole damage from debris
- Prevent hole cover missing and debris/dust entering
- Extend tool pin and working tool wear life

Large size tool pin

- Heavy duty oval shape dual pins
- Heat-treated, enlarged size
- Longer wear life
- Maintenance friendly design - bolt free, rubber plugged holes
- Available for DandA 70DX & above

Bushes

- Differentiated anti-wear raw material
- Higher core hardness
- Much longer wear life

Dust protector

- Prevent dust entering percussion chamber
- Prolong lubricant's stay between bushes & working tool
- Prevent contamination
- Secure service life of seal, bush, working tool, piston & cylinder in severe dusty applications
- Available for DandA 100DX & above



Benefits

- **Higher impact power**
- **Higher productivity**
- **Market proven quality, durability & life time**
- **Easy maintenance & repair**
- **Low fatigue stress on carrier machines**
- **Reasonable owning cost**
- **Low operating cost**
- **Higher return on investment**

Working tool



Conventional working tool	Applicable type					Remark
	Primary breaking	Secondary breaking	Hard rock removal	Soft material & rock material	Demolition	
Chisel point V	○		○	●	●	All models
Chisel point H	○		○	●	●	All models
Pyramid moli point	●		○	●	●	All models
Conical moli point	●		○	●	●	All models
Blunt		●	●		○	All models

Special working tool	Applicable type				Remark
	Asphalt removal	Compacting	Post driving	Severe duty rock removal	
Asphalt cutter	●				DandA 6V ~ DandA 80DX
Tamping tool		●			DandA 6V ~ DandA 80DX
Post driver			●		DandA 6V ~ DandA 80DX
Core moli point				●	DandA 8V & above

● Highly recommended ○ Selectively applicable

Comprehensive product line up

- **23 breaker models that cover the entire CE industry carrier range from 0.5 to 140 ton**
- **1 model variant exclusively designed for dedicated light material breaking champion with 18 to 22 ton carrier**
- **4 model variants exclusively designed for skid steer loader**
- **On-demand housing variants for optimum traveling position with backhoe loader**
- **Suitable from light and medium to hard & severe duty rock breaking applications**

Compact breaker

	DandA 6V	DandA 7V	DandA 8V	DandA 17V	DandA 40V	DandA 60V	DandA 70DX	DandA 80DX
Operating weight	kg	80	105	141	184	325	412	600
	lb	176	232	311	406	717	908	1,323
Required oil flow	l/min	18~25	15~30	15~35	23~70	35~70	40~110	45~100
	g/min	4.76~6.60	3.96~7.93	3.96~9.25	6.08~18.49	9.25~18.49	10.57~29.06	11.89~26.42
Operating pressure	kg/cm ²	60~130	90~120	90~120	90~120	110~165	120~165	140~170
	psi	853~1,849	1,280~1,707	1,280~1,707	1,280~1,707	1,565~2,347	1,707~2,347	1,991~2,418
Number of blow	Power mode bpm	800~1,200	800~1,400	550~1,000	600~1,500	380~1,000	380~900	400~800
	Speed mode bpm							
Relief valve setting pressure	kg/cm ²	175	175	175	175	175	175	175
	psi	2,489	2,489	2,489	2,489	2,489	2,489	2,489
Tool diameter	mm	40	40	45	57	70	75	80
	inch	1.57	1.57	1.77	2.24	2.76	2.95	3.15
Suitable carrier	ton	0.5~2.0	0.5~2.0	0.8~2.5	1.5~4.0	3.0~6.5	4.5~8.0	4.5~8.0
	lbs	1,102~4,409	1,102~4,409	1,764~5,512	3,307~8,818	6,614~14,330	9,921~17,637	9,921~17,637

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Medium breaker

	DandA 100DX	DandA 130DX	DandA 150DX	DandA 180DX	DandA 200DX	DandA 220DX	DandA 250DX	DandA 300DX
Operating weight	kg	875	1,012	1,231	1,448	1,577	1,845	2,021
	lb	1,929	2,231	2,714	3,192	3,477	4,068	4,456
Required oil flow	l/min	75~120	80~140	100~150	100~155	120~170	120~190	150~210
	g/min	19.81~31.70	21.13~36.98	26.42~39.63	26.42~40.95	31.70~44.91	31.70~50.19	39.63~55.48
Operating pressure	kg/cm ²	140~180	140~190	140~190	150~190	160~190	160~190	160~190
	psi	1,991~2,560	1,991~2,702	1,991~2,702	2,134~2,702	2,276~2,702	2,276~2,702	2,276~2,702
Number of blow	Power mode bpm	350~600	350~550	320~550	320~500	320~480	340~450	270~400
	Speed mode bpm	600~900	600~900	400~700	400~650	400~600	420~550	330~500
Relief valve setting pressure	kg/cm ²	210	210	210	210	210	210	210
	psi	2,987	2,987	2,987	2,987	2,987	2,987	2,987
Tool diameter	mm	95	105	115	125	135	145	150
	inch	3.74	4.13	4.53	4.92	5.31	5.71	5.91
Suitable carrier	ton	8.0~12.5	10~15	12~18	16~22	18~24	20~26	24~30
	lbs	17,637~27,558	22,046~33,069	26,455~39,683	35,274~48,502	39,683~52,911	44,092~57,320	52,911~66,139

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Large breaker

	DandA 360DX	DandA 450DX	DandA 550DX	DandA 650DX	DandA 700DX	DandA 750DX	DandA 1200DX
Operating weight	kg	2,770	3,487	4,099	4,486	5,838	6,710
	lb	6,107	7,688	9,037	9,890	12,871	14,793
Required oil flow	l/min	200~260	220~280	240~320	260~360	310~390	350~420
	g/min	52.83~68.68	58.12~73.97	63.40~84.54	68.68~95.10	81.89~103.03	92.46~110.95
Operating pressure	kg/cm ²	160~190	150~190	150~190	150~190	170~210	170~210
	psi	2,276~2,702	2,134~2,702	2,134~2,702	2,134~2,702	2,418~2,987	2,418~2,987
Number of blow	Power mode bpm	230~400	230~345	230~330	270~380	220~300	205~285
	Speed mode bpm	270~470	270~410	270~500	380~530	290~400	235~420
Relief valve setting pressure	kg/cm ²	230	230	210	210	250	250
	psi	3,271	3,271	2,987	2,987	3,556	3,556
Tool diameter	mm	155	165	175	180	200	205
	inch	6.10	6.50	6.89	7.09	7.87	8.07
Suitable carrier	ton	28~42	34~50	40~60	45~80	58~100	60~100
	lbs	61,729~92,594	74,957~110,231	88,185~132,277	99,208~176,370	127,868~220,462	132,277~220,462

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