



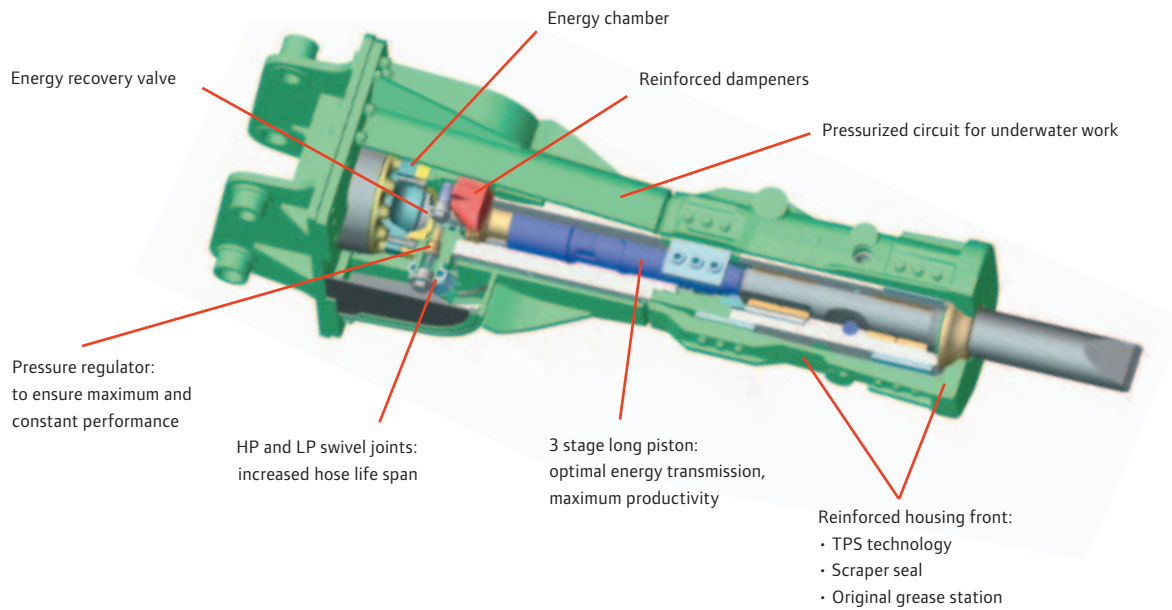
# *Heavy Range*

For Carriers  
from 18 to 90 t



# Hydraulic Rock Breakers

For Carriers from 18 to 90 t



## Highest power / weight ratio

IR Montabert's heavy range is the result of more than 30 years experience in rock breaker design and manufacturing. Based on unique technology and quality, the heavy range offers the best tools for demolition, mining, quarrying and public works thanks to their unequalled performance/weight ratio.

Autopower, Optipower, the BRV Variable Speed Technology, ... discover all the advantages of these innovations: extra power, maximum performance, exceptional reliability.

- ✓ POWER CONTROL
- ✓ RELIABILITY
- ✓ REDUCED MAINTENANCE
- ✓ OPERATOR COMFORT
- ✓ CARRIER PROTECTON



# Heavy Range

## BRV SYSTEM

It is the only variable speed system which results in a perfect adaptation of energy per stroke and strike frequency to the hardness of the ground:

- ▶ Fully automatic system, the breaker automatically selects the best setting of power and frequency on its own.
- ▶ No excessive energy destroying the breaker.
- ▶ Power remains constant: production is always at its highest.
- ▶ The energy per stroke drops immediately as soon as the material break: protection of internal parts, tools and retainer pins.

## AUTOPOWER

The automatic pressure regulator ensures that the breaker operates at nominal operating pressure on all carriers:

- ▶ Maximum performance, regardless of flow variations or change in oil viscosity.
- ▶ Pressure peaks limited at the time of start up.
- ▶ Protection against accidental over-flow (up to 15% of nominal flow).
- ▶ Protection of energy chamber diaphragm.

## OPTIPOWER

The energy recovery valve protects the breaker by recycling residual energy which has not been absorbed by the ground, residual energy which causes piston rebound:

- ▶ No internal high pressure, source of cavitation.
- ▶ The boom and the hydraulic circuit on the carrier are protected.
- ▶ Increase in breaker performance when necessary.

## ENERGY CHAMBER WITH DIAPHRAGM

The energy chamber with diaphragm crowns the piston head. This is a definite advantage in comparison with nitrogen chambers:

- ▶ The nitrogen pressure remains constant, guaranteeing maximum breaker performance!
- ▶ Maintenance is simplified and no regular recharging is required.
- ▶ In comparison with piston seals on systems without diaphragms, the life span is dramatically increased.

## TPS SYSTEM

A unique tool guiding and retaining system ensures optimum protection:

- ▶ Tool seizing is limited thanks to the use of large dimension bronze bushings.
- ▶ Retaining pins are only used to keep the tool inside the breaker, no seizing, no wear.
- ▶ No tool breakage inside the front guide.

## SOUNDPROOF VERSION

All models have a soundproof version (optional V1200 and V32), integrating dustproof seals, a soundproofing plate, and plastic pads.

Standard models		V 1200	V 32				
MS models (soundproof models)		V 1200 MS	V 32 MS	V 1600 E	V 45 SHD	V 55 SHD	V 65 SHD
Carrier weight (tons)		18 - 30	18 - 30	22 - 35	27 - 40	35 - 60	55 - 90
Average operating weight (kg)		1570 / 1650	1458 / 1525	1938	2547	3480	5655
Height (mm)		2895	2685	3150	3108	3465	4056
Width (mm)	support	540 / 610	540 / 610	600	700	720	870
	shield	340	340	388	367	416	635
Tool diameter (mm)		122	122	140	150	170	202
Blow frequency (blows/min)		540 - 770	400 - 1050	405 - 830	510 - 1160	440 - 1045	380 - 950
Flow (l/min)		120-170	120-170	180-230	180-265	240-320	380-420
Operating pressure (bar)		155	135	165	165	165	165
Acceptable back-pressure (bar)		0 - 12	0 - 6	0 - 12	0 - 6	0 - 6	0 - 6

Standard models / MS models



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