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HC





HC Range

The HC series hot chamber machine for zinc alloys with a double toggle clamping unit offers high performance and extremely competitive running costs.

The sturdy double toggle system with automatic lubrication ensures a long life and the hydraulic system with pump unit driven by servomotor and proportional valve for injection control ensures high performance and constant process parameters. The technologically advanced solution of the servomotor, as well as high dynamic features, is outstanding for its excellent energy efficiency allowing significant savings compared to the standard 3-phase motor.

As standard supply, the machines are equipped with color HMI display of the injection curves and process monitoring. In the same "touch screen" display, the operator can read the information for setting and diagnostics.

All hydraulic and electronic components are supplied by the leading manufacturers, making the HC line a great and long lasting investment.

The technical information and pictures shown are not binding and may be changed due to modifications and/or improvements as considered necessary.

MODEL		HC 50	HC 90	HC 130	HC 200
TECHNICAL DATA					
Clamping force	KN	500	900	1300	2000
Injection force	KN	65	65	108	130
Ejection force	KN	50	50	88	108
Max. die height	mm	340	350	450	550
Min. die height	mm	120	150	170	250
Platen size (HxV)	mm	455x455	535x535	615x635	740x740
Distance between tie bars	mm	310x310	357x357	409x409	510x510
Moving platen stroke	mm	230	280	350	400
Central ejection stroke	mm	60	60	85	100
Injection stroke	mm	130	130	150	150
Goosneck diameter	mm	45-50-55	45-50-55	60-65	60-65-70
Max. casting weight (Zn)	Kg	1-1,26-1,53	1-1,26-1,53	2,1 - 2,5	2,5-2,9-3,3
Casting pressure	Mpa	42-34-28,1	42-34-28,1	38,9-33,1	47-40,1-33,7
Casting area	cm ²	119-147-178	214-264-320	334-392	425-498-593
Injection positions	mm	0 -50	0 -60	0 -80	0 -100
Hydraulic working pressure	MPa	10,5	10,5	14	14
Nozzle heating power	KW	2	2	2,5	4
Furnace capacity (Zn)	dm ³ (Kg)	50(330)	50(330)	55(360)	110(720)
Furnace power	KW	30	30	30	42
Dry cycles	n/1'	20	12	10	8,6
Max pump motor power	KW	25	25	37	37
Working pump motor power	KW	12,7	12,7	15,1	15,1
Machine weight	Kg	3400	4000	5700	7800
Machine dimensions (LxWxH)	m	3,93-1,56-2,03	4-1,5-1,99	4,69-1,65-2,22	5,28-1,58-2,45

