

IMPRESS SERIES COLD CHAMBER DIECASTING MACHINE SPECIFICATION

Item	Unit	DCC130	DCC160	DCC200	DCC280	DCC400	DCC500	DCC630	DCC800	DCC1000	Item																				
Clamping Unit	Locking Force	kN(ton)	1450 (148)	1600 (163)	2000 (200)	2800 (285)	4000 (408)	5000 (510)	6300 (642)	8000 (816)	10000 (1020)	Locking Force																			
	Die Opening Stroke	mm	350	380	400	460	550	580	650	760	880	Die Opening Stroke																			
	Die Height (Min - Max)	mm	250-500	200-550	200-600	250-650	300-700	350-850	350-850	400-950	450-1150	Die Height (Min - Max)																			
	Platen Size (H xV)	mm	650x650	680x680	740x740	860x860	970x960	1162x1162	1200x1200	1400x1400	1620x1620	Platen Size (H xV)																			
	Space between Tie Bars	mm	429x429	460x460	510x510	560x560	620x620	760x760	750x750	910x910	1030x1030	Space between Tie Bars																			
	Tie Bar Diameter	mm	80	85	90	110	130	140	160	180	200	Tie Bar Diameter																			
	Ejector Force	kN	108	108	108	150	180	240	315	315	500	Ejector Force																			
Ejector Stroke	mm	85	85	100	105	125	120	150	180	200	Ejector Stroke																				
Injection Unit	Intensifier	kN	180	254	290	315	405	460	610	665	865	Intensifier																			
	Injection Stroke	mm	320	340	370	400	500	580	600	760	800	Injection Stroke																			
	Injection Plunger Diameter	mm	40	50	60	40	50	60	50	60	70	50	60	70	60	70	80	70	80	90	70	80	90	80	90	100	90	100	110	120	Injection Plunger Diameter
	Shot Weight (Al)	kg	0.7	1.1	1.6	0.8	1.3	1.8	1.3	1.9	2.6	1.5	2.1	2.9	2.7	3.6	4.7	4.3	5.6	7.1	4.3	5.7	7.2	7.2	9.1	11.2	9.5	11.7	14.2	16.9	Shot Weight (Al)
	Casting Pressure (with Intensification)	Mpa	141	90	62	202	129	89	147	102	75	162	112	82	144	106	81	122	93	73	158	121	96	132	104	85	136	110	91	76	Casting Pressure (with Intensification)
	Casting Area	cm ²	90	140	205	72	120	175	135	194	265	170	245	335	275	375	490	405	535	680.0	395	515	655	600	760	940	730	905	1095	1305	Casting Area
	Max. Casting Area (40MPa)	cm ²	362	400	500	700	1000	1250	1575	2000	2500	Max. Casting Area (40 MPa)																			
	Shot Position (Below Center Line)	mm	0	-100	0	70	-140	0	-140	0	-125	-140	0	-175	0	-175	0	-250	0	-250	0	-250	0	-300	Shot Position (Below Center Line)						
	Plunger Penetration	mm	115	135	150	140	200	250	250	297	300	Plunger Penetration																			
	Diameter of Pressure Chamber Flange	mm	110	101.6	110	101.6	101.6	165	165	200	240	Diameter of Pressure Chamber Flange																			
Height of Pressure Chamber Flange	mm	10	12	10	12	12	15	15	20	20	Height of Pressure Chamber Flange																				
Others	Hydraulic Working Pressure	MPa	14	14	14	14	14	16	14	14	16	Hydraulic Working Pressure																			
	Driving Motor	kW	11	15	15	18.5	22	30	37	37	45	Driving Motor																			
	Hydraulic Oil Tank Capacity	L	480	520	550	670	800	1000	1000	1200	2350	Hydraulic Oil Tank Capacity																			
	Machine Weight	kg	6000	6300	8000	10500	15000	25000	27600	394000	70000	Machine Weight																			
	Machine dimension (Lxwxh)	mm	5000x1590x2500	5100x1590x2550	5500x1710x2600	5900x1860x2600	7290x1970x2800	7890x2300x2850	8230x2300x2850	9010x3100x2940	10560x3500x3800	Machine dimension (Lxwxh)																			