

NEW “DCP OPEN FRAME HOT CHAMBER DIE CASTING MACHINES
MODEL DCP-Z-OF
60 ton – 500 ton

MODEL NO.	DCP-Z-60-OF	DCP-100-OF	DCP-150-OF	DCP-Z-200-OF	DCP-Z-400-OF	DCP-Z-500-OF
Nominal locking force	60	100	150	200	400	500
Distance between tie bars (V x H)	12” x 15”	13 ½” x 16”	17” x 20”	18” x 22”	24” x 27”	26” x 28”
Tie bar centers (V x H)	14 ¼” x 17 ¼”	16 ½” x 19”	20” x 23”	22” x 26”	29” x 32”	31 ½” x 33 ½”
Tie bar dia.	2 ¼”	3”	3”	4”	5”	5 ½”
Front Platen dimensions (TxWxV)	3 ½” x 19” x 22”	4 ½” x 25” x 24 ½”	5” x 27” x 30”	6.8” x 34” x 35”	8” x 42” x 43”	9” x 44” x 44”
Moving platen dimensions (TxWxV)	3” x 19” x 22”	4” x 21 ½” x 24 ½”	5” x 27” x 30”	6.8” x 34” x 35”	7 ½” x 42” x 44”	8” x 44” x 44”
Rear platen dimensions (TxWxV)	3” x 19” x 22”	4” x 21 ½” x 24 ½”	5” x 27” x 30”	5.8” x 34” x 35”	8” x 42” x 44”	9” x 44” x 44”
Die thickness	4” min-16” Max	4” min- 19” max	8” min – 19” max	Min. 10” Max. 24”	Min. 12” – 30”	Min. 12”-30”
Die stroke	8”	9”	9”	14”	15”	16”
Die open speed	0.7 seconds	1.0 seconds	1.0 seconds	1.5 seconds	1.5 seconds	1.6 seconds
Die close Speed	0.8 seconds	1.0 seconds	1.0 seconds	1.8 seconds	1.8 seconds	1.8 seconds
SHOT SPECIFICATIONS:						
Shot cylinder stroke	5”	6”	6”	7.25”	10”	10”
Shot cylinder bore dia.	2 ½”	3”	3 ½”	3.75”	4 ½”	4 ½”
Shot plunger tip dia. (Min./Max.)	1.75”-2 ¼”	2” – 2 ¼”	2”-2.5”	2 ½” - 3	2 ¾”- 3 ½”	2 ½” - 3 ¾”
Metal PSI	3369/1668	2384/1668	2384/3709	2815/1955	2790/1720	4214/1872
Shot position	center	center	center	one	0-6	On center
Shot center line height from floor	50”	50”	50”	50”		
Shot cylinder force (max adj. down)	<u>5.2@1500</u> PSI	<u>5.2@1500</u> PSI	<u>7.2@1500</u> PSI	6.9 ton @ 1250 PSI	8.2 @ 1500 PSI	8.2@ 1500 PSI
Ejection Type standard Hyd. Bumper plate is Optional	Mechanical bumper plate Hydraulic bumper and center ejection is optional	Mechanical bumper plate Hydraulic bumper and center ejection is optional	Mechanical bumper plate Hydraulic bumper and center ejection is optional	Mechanical bumper plate Hydraulic bumper and center ejection is optional	Mechanical bumper plate Hydraulic bumper and center ejection is optional	Mechanical bumper plate Hydraulic bumper and center ejection is optional
Ejection Force ton	3	5	5	6.3 tons	11.6 tons	11.6 tons
Ejection Stroke	2 ½”	2 ½”	3 ½”	3 ½”	5”	5”
ELECTRICAL						
Motor horsepower Standard 480 V, 1200 RPM, 60 cycle	10 HP	15 HP	20 HP	20 HP	40 HP	50 HP
GENERAL						
Casting weight Zinc	2.2 to 3.5 Lbs.	2.5 to 4 Lbs.	2.74 to 5.25 Lbs.	4.5 to 7.7 Lbs.	12 Lbs.	66.5-19 Lbs.
Projected casting area	5-64 sq. inches	64-150 sq. inches	128-200 sq. inches	200 Sq. Inches	460 sq. inches	641 sq. inches
Dry machine weight	5,500 Lbs.	7,800 Lbs.	22,000 Lbs.	27,000 Lbs.	35,000 Lbs.	40,000 Lbs.
Machine size (LXWXH)	13’4” x 7’6” x 8’9”	13’10”x 7’9” x 8’11”	13’11” x 7’10” x 9’	15 ½’ x 8’x 9’2”	19’ x 8’6” x 9’6”	20’x 8’8”x 9’10”
Dry cycles per Hour, includes accumulator recharge	900	800	800	600	550	550
Utility water @ 70% GPM	8 GPM	8 GPM	8 GPM	8 GPM	20 GPM	8 GPM

All specifications subject to revisions without prior notice
All dimensions are without melting furnace