SELECTION TABLE

Motor Driven—1750 R.P.M. Figs. 4001, 4011, 4021 and, 4021H

Performance for Fig. 4001 | Performance for Fig. 4011 | Performance for Fig. 4021 and 4021H

TOTAL HEAD—In Feet																
	10	15	20	25	30	35	40	50	60	70	80	90	100	120	140	150
Capacity In G.P.M.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.
20	405 1 ¾	405 1 ¾	406 1 ½	407 1 ½	408 1 ¾	408 1 ¾	432 1¼S ¾	433 1¼S 1	434 1¼S 1½	441 1½M 3	441 1½M 3	442 1½M 5	442 1½M 5	445 1½L 7½	446 1½L 10	
30	405 1 ¾	405 1 ¾	406 1 ½	407 1 ½	408 1 ¾	408 1 ¾	432 1¼S ¾	434 1¼S 1½	434 1¼S 1½	441 1½M 3	441 1½M 3	442 1½M 5	442 1½M 5	445 1½L 7½	446 1½L 10	
40	405 1 ¾	406 1 ½	407 1 ½	407 1 ½	408 1 ¾	414 1½ 1	432 1¼S ¾	434 1¼S 1½	434 1¼S 1½	441 1½M 3	441 1½M 3	442 1½M 5	442 1½M 5	445 1½L 7½	446 1½L 10	
50	406 1 ½	407 1 ½	407 1 ½	408 1 ¾	408 1 ¾	414 1½ 1	433 1¼S 1	434 1¼S 1½	434 1¼S 1½	441 1½M 3	442 1½M 5	442 1½M 5	442 1½M 5	445 1½L 7½	446 1½L 10	
60	412 1½ ½	412 1½ ½	412 1½ ½	413 1½ ¾	414 1½ 1	414 1½ 1	433 1¼S 1	434 1¼S 1½	439 1½S 2	441 1½M 3	442 1½M 5	442 1½M 5	442 1½M 5	445 1½L 7½	446 1½L 10	
70	412 1½ ½	412 1½ ½	412 1½ ½	413 1½ ¾	414 1½ 1	433 1¼S 1	434 1¼S 1½	434 1¼S 1½	439 1½S 2	441 1½M 3	442 1½M 5	442 1½M 5	442 1½M 5	445 1½L 7½	446 1½L 10	
80	412 1½ ½	412 1½ ½	413 1½ ¾	414 1½ 1	414 1½ 1	438 1½S 1½	438 1½S 1½	439 1½S 2	439 1½S 2	441 1½M 3	442 1½M 5	442 1½M 5	458 2M 7½	445 1½L 7½	446 1½L 10	
90	412 1½ ½	413 1½ ¾	413 1½ ¾	414 1½ 1	414 1½ 1	438 1½S 1½	438 1½S 1½	439 1½S 2	454 2S 3	441 1½M 3	442 1½M 5	442 1½M 5	442 2M 7½	445 1½L 7½	446 1½L 10	
100	415 2½ 1	415 2½ 1	415 2½ 1	437 1½S 1	438 1½S 1½	438 1½S 1½	438 1½S 1½	439 1½S 2	441 1½M 3	441 1½M 3	441 1½M 5	442 1½M 5	458 2M 7½	445 1½L 7½	446 1½L 10	
125	415 2½ 1	415 2½ 1	415 2½ 1	416 2½ 1½	438 1½S 1½	439 1½S 2	439 1½S 2	454 2S 3	441 1½M 3	442 1½M 5	442 1½M 5	458 2M 7½	458 2M 7½	446 1½L 10	446 1½L 10	
150	415 2½ 1	415 2½ 1	415 2½ 1	416 2½ 1½	452 2S 1½	453 2S 2	453 2S 2	454 2S 3	442 1½M 5	442 1½M 5	442 1½M 5	458 2M 7½	445 1½L 7½	446 1½L 10		
200	415 2½ 1	416 2½ 1½	416 2½ 1½	417 2½ 2	417 2½ 2	418 2½ 3	418 2½ 3	464 3S 5	457 2M 5	458 2M 7½	458 2M 7½	458 2M 7½	469 3M 15			
250	416 2½ 1½	416 2½ 1½	417 2½ 2	417 2½ 2	418 2½ 3	418 2½ 3	464 3S 5	464 3S 5	458 2M 7½	458 2M 7½	458 2M 7½	468 3M 10	469 3M 15			
300	417 2½ 2	417 2½ 2	417 2½ 2	418 2½ 3	418 2½ 3	464 3S 5	464 3S 5	466 3M 5	467 3M 7½	467 3M 7½	468 3M 10	468 3M 10	469 3M 15			
400	480 4S 2	480 4S 2	481 4S 3	464 3S 5	464 3S 5	464 3S 5	466 3M 5	483 4S 7½	468 3M 10	468 3M 10	468 3M 10	469 3M 15				
500	481 4S 3	481 4S 3	481 4S 3	482 4S 5	482 4S 5	482 4S 5	483 4S 7½	483 4S 7½	468 3M 10	469 3M 15	469 3M 15	474 3M 15				
600	482 4S 5	482 4S 5	482 4S 5	482 4S 5	483 4S 7½	483 4S 7½	483 4S 7½	473 4M 10	474 4M 15	474 4M 15	474 4M 15	494 5MS 20				
700	482 4S 5	482 4S 5	483 4S 7½	483 4S 7½	483 4S 7½	483 4S 7½	473 4M 10	474 4M 15	474 4M 15	474 4M 15	474 4M 15	479 5M 20				
800	476 5M 10	476 5M 10	476 5M 10	476 5M 10	476 5M 10	476 5M 10	477 5M 15	477 5M 15	477 5M 15	478 5M 20	478 5M 20					
900	476 5M 10	476 5M 10	476 5M 10	476 5M 10	476 5M 10	477 5M 15	477 5M 15	477 5M 15	478 5M 20	478 5M 20	479 5M 25					
1000	496 6M 10	496 6M 10	496 6M 10	496 6M 10	477 5M 15	477 5M 15	477 5M 15	478 5M 20	478 5M 20	479 5M 25	489H 6ML 40					
1200	496 6M 10	496 6M 10	497 6M 15	497 6M 15	497 6M 15	497 6M 15	498 6M 20	498 6M 20	499 6M 25	488H 6ML 40	489H 6ML 40					
1400	497 6M 15	497 6M 15	497 6M 15	498 6M 20	498 6M 20	498 6M 20	499 6M 25	499 6M 25	499 6M 25	489H 6ML 40						

For higher capacities, refer to Crane-Deming fig. 4060 series pumps in catalog section 14B.

Motor selections are based upon drip-proof motors which have 15% service factor. Totally enclosed and explosion-proof motors do not have this service factor. If substituted for drip-proof motors, it may be necessary, under certain specific operating conditions, to cut the impeller diameter or use the next size larger motor.

Pump casings and impellers are designated as follows: "S" indicates suitable casings for impellers up to 8 inch maximum diameter. "M" indicates casings suitable for impellers up to 10 inch maximum diameter. "L" indicates casings suitable for impellers up to 12 inch maximum diameter.

SELECTION TABLE

Motor Driven—3500 R.P.M. Figs. 4001, 4011, 4021 and 4021H

Performance for Fig. 4001 | Performance for Fig. 4011 | Performance for Fig. 4021 and 4021H

For more accurate selection refer to performance curves to determine the impeller diameter and motor horsepower required for the actual operating conditions.

	TOTAL HEAD—In Feet											
	40	50	60	80	100	120	140	160	180	200	220	240
Capacity in G.P.M.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.	Unit No. or Std. Imp. Dia. Size H.P.
10	505 1 1	505 1 1	505 1 1	507 1 2	508 1 3	508 1 3	509 1 5	509 1 5	.....	.....	.....	.....
20	505 1 1	505 1 1	505 1 1	507 1 2	508 1 3	508 1 3	509 1 5	509 1 5	.....	.....	.....	.....
30	505 1 1	505 1 1	506 1 1½	507 1 2	508 1 3	508 1 3	509 1 5	534H 1¼S 7½	534H 1¼S 7½	534H 1¼S 7½	535H 1¼S 10	535H 1¼S 10
40	505 1 1	505 1 1	506 1 1½	507 1 2	508 1 3	508 1 3	509 1 5	534H 1¼S 7½	534H 1¼S 7½	535H 1¼S 10	535H 1¼S 10	535H 1¼S 10
50	505 1 1	505 1 1	506 1 1½	507 1 2	508 1 3	508 1 3	509 1 5	534H 1¼S 7½	534H 1¼S 7½	535H 1¼S 10	535H 1¼S 10	535H 1¼S 10
60	505 1 1	506 1 1½	506 1 1½	507 1 2	508 1 3	509 1 5	509 1 5	534H 1¼S 7½	534H 1¼S 7½	535H 1¼S 10	535H 1¼S 10	535H 1¼S 10
70	505 1 1	506 1 1½	507 1 2	508 1 3	508 1 3	509 1 5	509 1 5	534H 1¼S 7½	535H 1¼S 7½	535H 1¼S 10	535H 1¼S 10	535H 1¼S 10
80	506 1 1½	507 1 2	507 1 2	508 1 3	508 1 3	509 1 5	514 1½ 7½	534H 1¼S 7½	534H 1¼S 7½	535H 1¼S 10	535H 1¼S 10	535H 1¼S 10
90	.....	507 1 2	508 1 3	508 1 3	509 1 5	509 1 5	514 1½ 7½	534H 1¼S 7½	534H 1¼S 7½	535H 1¼S 10	535H 1¼S 10	535H 1¼S 10
100	.....	512 1½ 3	512 1½ 3	512 1½ 3	513 1½ 5	514 1½ 7½	514 1½ 7½	534H 1¼S 7½	535H 1¼S 10	535H 1¼S 10	535H 1¼S 10	539H 1½S 15
125	.....	512 1½ 3	512 1½ 3	513 1½ 5	513 1½ 5	514 1½ 7½	514 1½ 7½	538H 1½S 10	538H 1½S 10	539H 1½S 15	539H 1½S 15	539H 1½S 15
150	.....	512 1½ 3	512 1½ 3	513 1½ 5	513 1½ 5	514 1½ 7½	538H 1½S 10	538H 1½S 10	538H 1½S 10	539H 1½S 15	539H 1½S 15	554H 2S 20
175	.....	513 1½ 5	513 1½ 5	513 1½ 5	514 1½ 7½	514 1½ 7½	538H 1½S 10	538H 1½S 10	539H 1½S 15	539H 1½S 15	554H 2S 15	554H 2S 20
200	.....	550 2S 5	550 2S 5	551 2S 7½	551 2S 7½	552 2S 10	552 2S 10	553H 2S 15	553H 2S 15	554H 2S 20	554H 2S 20	554H 2S 20
225	.....	550 2S 5	550 2S 5	551 2S 7½	551 2S 7½	552 2S 10	553H 2S 15	553H 2S 15	553H 2S 15	554H 2S 20	554H 2S 20	554H 2S 20
250	.....	551 2S 7½	551 2S 7½	551 2S 7½	552 2S 10	552 2S 10	553H 2S 15	553H 2S 15	553H 2S 15	554H 2S 20	554H 2S 20	.....
275	.....	551 2S 7½	551 2S 7½	551 2S 7½	552 2S 10	553H 2S 15	553H 2S 15	553H 2S 15	554H 2S 20	554H 2S 20	554H 2S 20	.....
300	.....	517 2½ 7½	517 2½ 7½	518 2½ 10	519 1½ 15	557H 2M 15	558H 2M 20	558H 2M 20	558H 2M 20	.....	.....	.....
350	.....	517 2½ 7½	518 2½ 10	518 2½ 10	519 2½ 15	567H 3M 20	567H 3M 20	568H 3M 25	.....	.....	.....	.....
400	.....	518 2½ 10	518 2½ 10	519 2½ 15	519 2½ 15	567H 3M 20	567H 3M 20	568H 3M 25	.....	.....	.....	.....
450	.....	518 2½ 10	518 2½ 10	519 2½ 15	567 3M 20	567H 3M 20	568H 3M 25	.....	.....	.....	.....	.....
500	.....	566 3M 15	566 3M 15	567H 3M 20	567H 3M 20	567H 3M 20	568H 3M 25	.....	.....	.....	.....	.....
550	.....	566 3M 15	566 3M 15	567H 3M 20	567H 3M 20	568H 3M 25	.....	.....	.....	.....	.....	.....

Motor selections are based upon drip-proof motors which have 15% service factor. Totally enclosed and explosion-proof motors do not have this service factor. If substituted for drip-proof motors, it may be necessary, under certain specific operating conditions ,to cut the impeller diameter or use the next size larger motor.

Pump casings and impellers are designated as follows:

"S" indicates casings suitable for impellers up to 8 inch maximum diameter. "M" indicates casings suitable for impellers up to 10 inch maximum.