

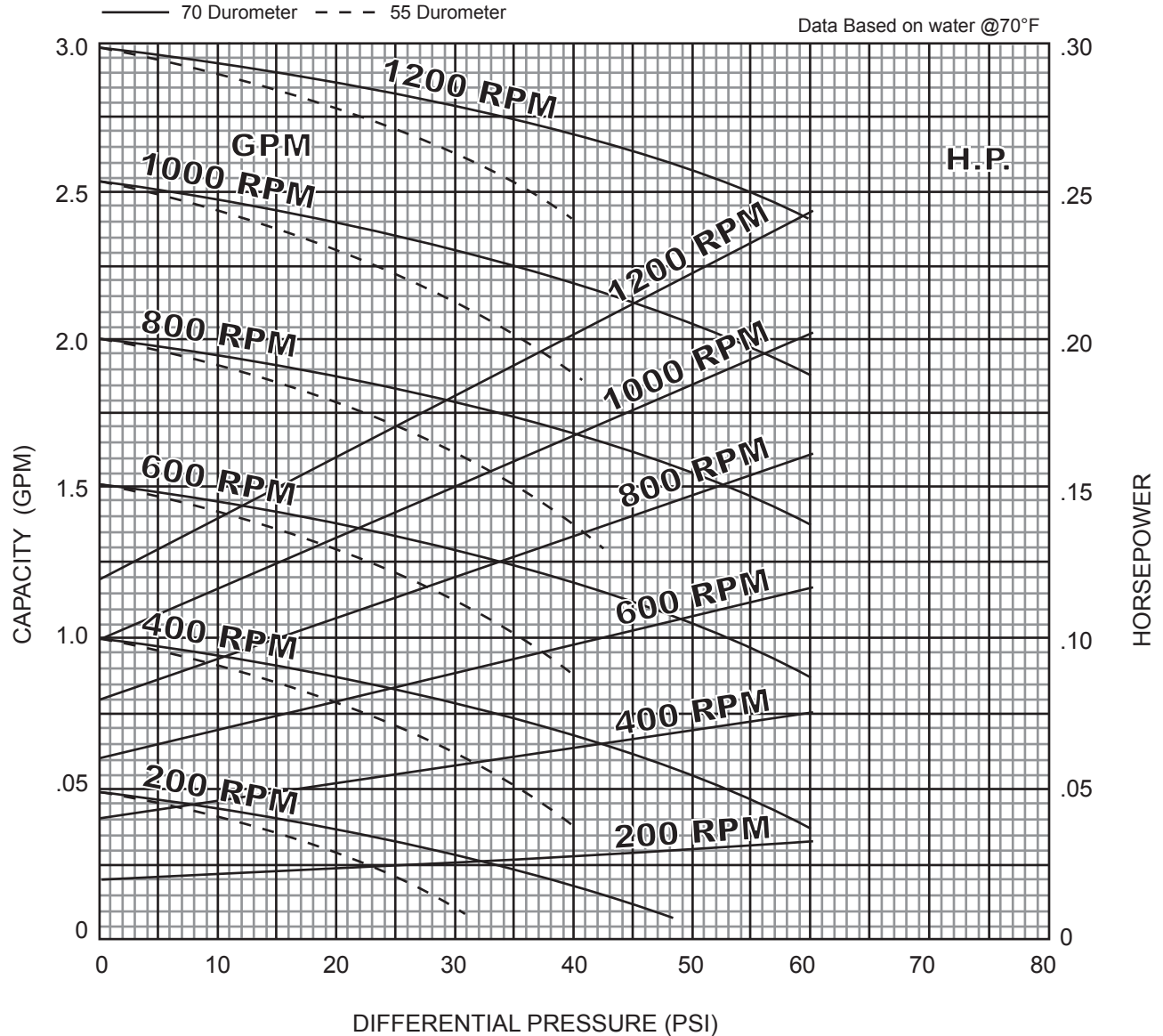


LIBERTY SERIES - 1LL2

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.5	.9	1.3	1.7	2.1	2.5
MIN. HP	1/10	1/8	1/6	1/4	1/4	1/3



1 Stage Pump

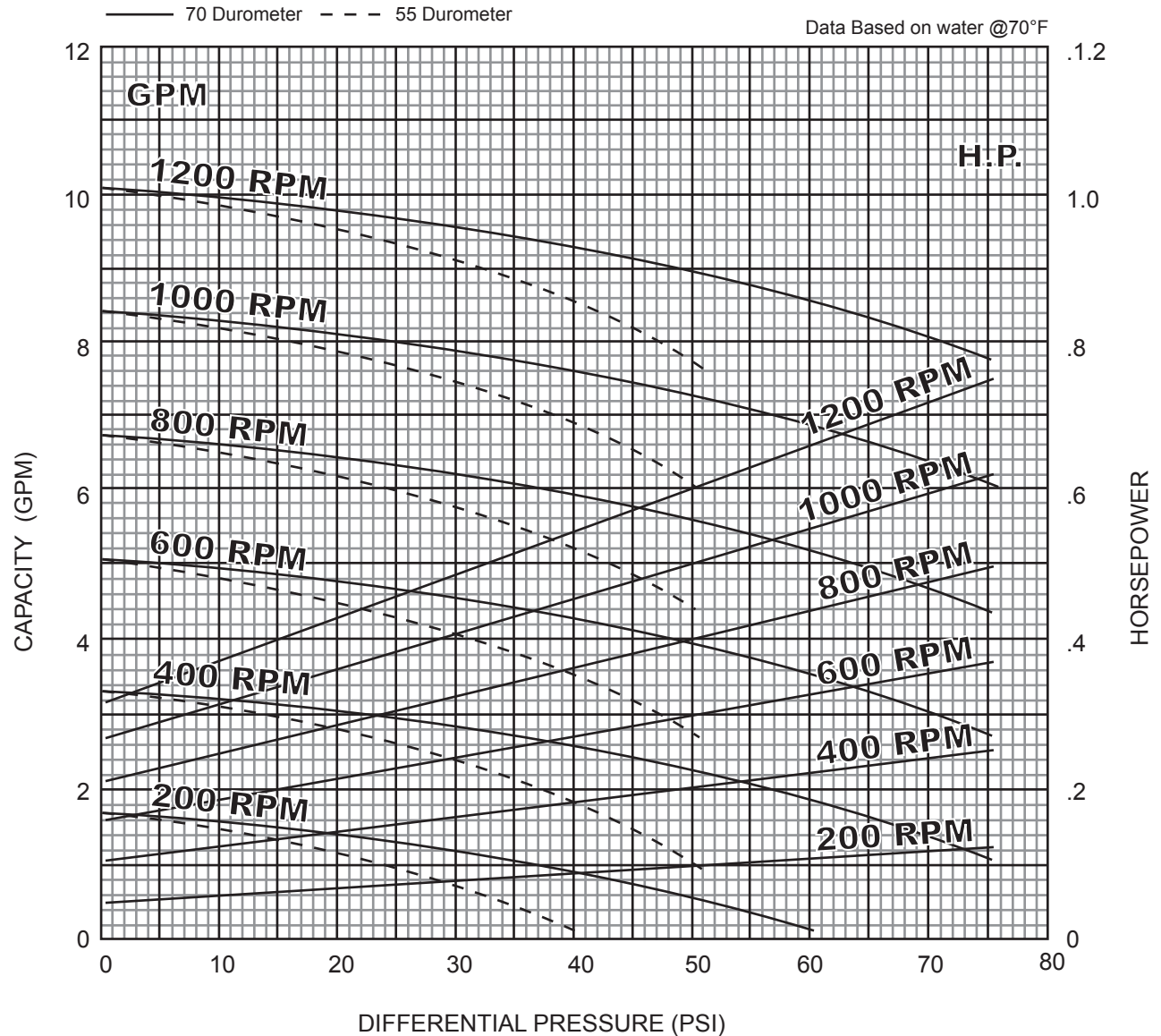


LIBERTY SERIES - ILL3

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.6	1.3	2	2.6	3.2	3.9
MIN. HP	1/4	1/3	1/3	1/2	3/4	3/4



1 Stage Pump

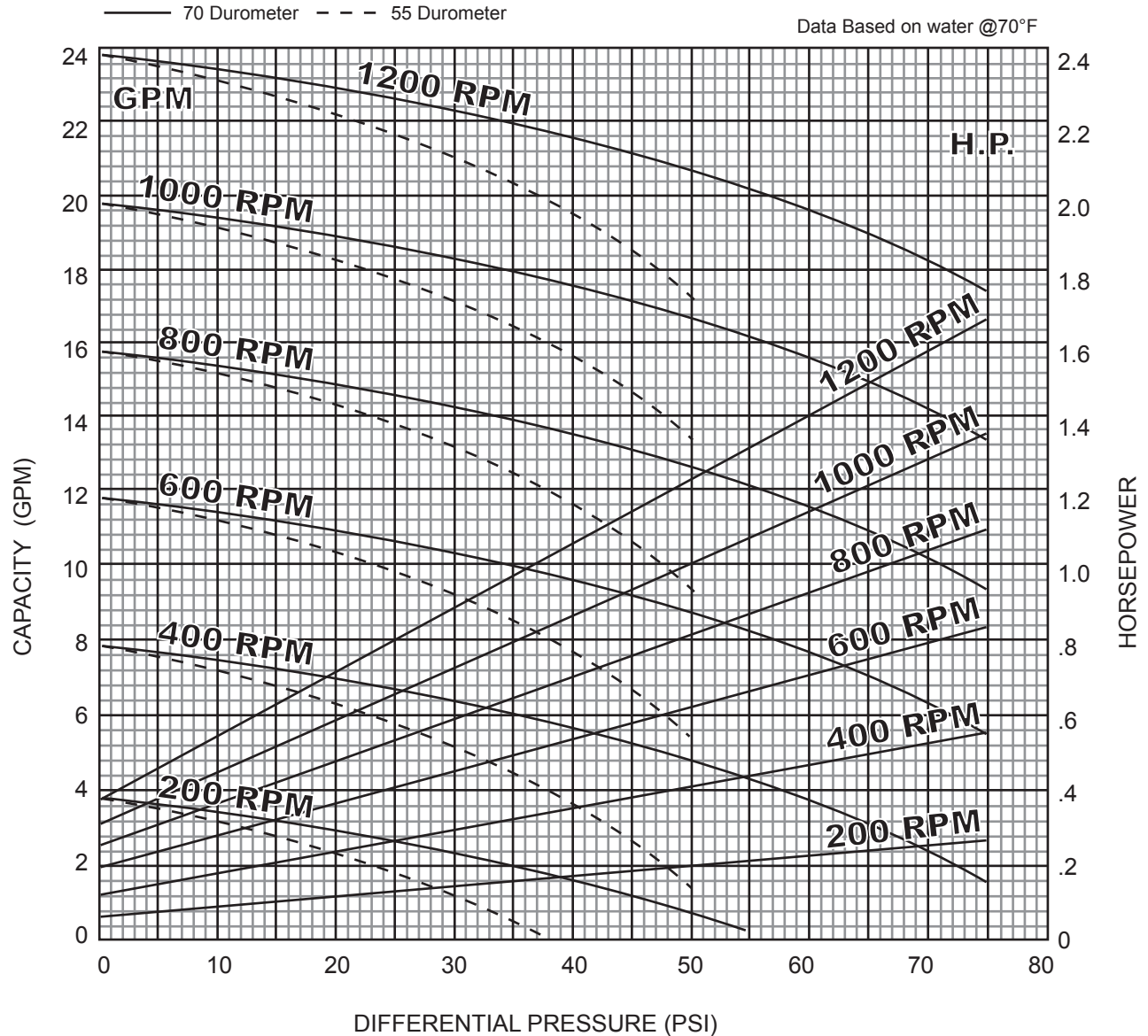


LIBERTY SERIES - 1LL4

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.9	1.7	2.6	3.4	4.8	6.7
MIN. HP	1/3	1/2	1/2	3/4	1	1



1 Stage Pump

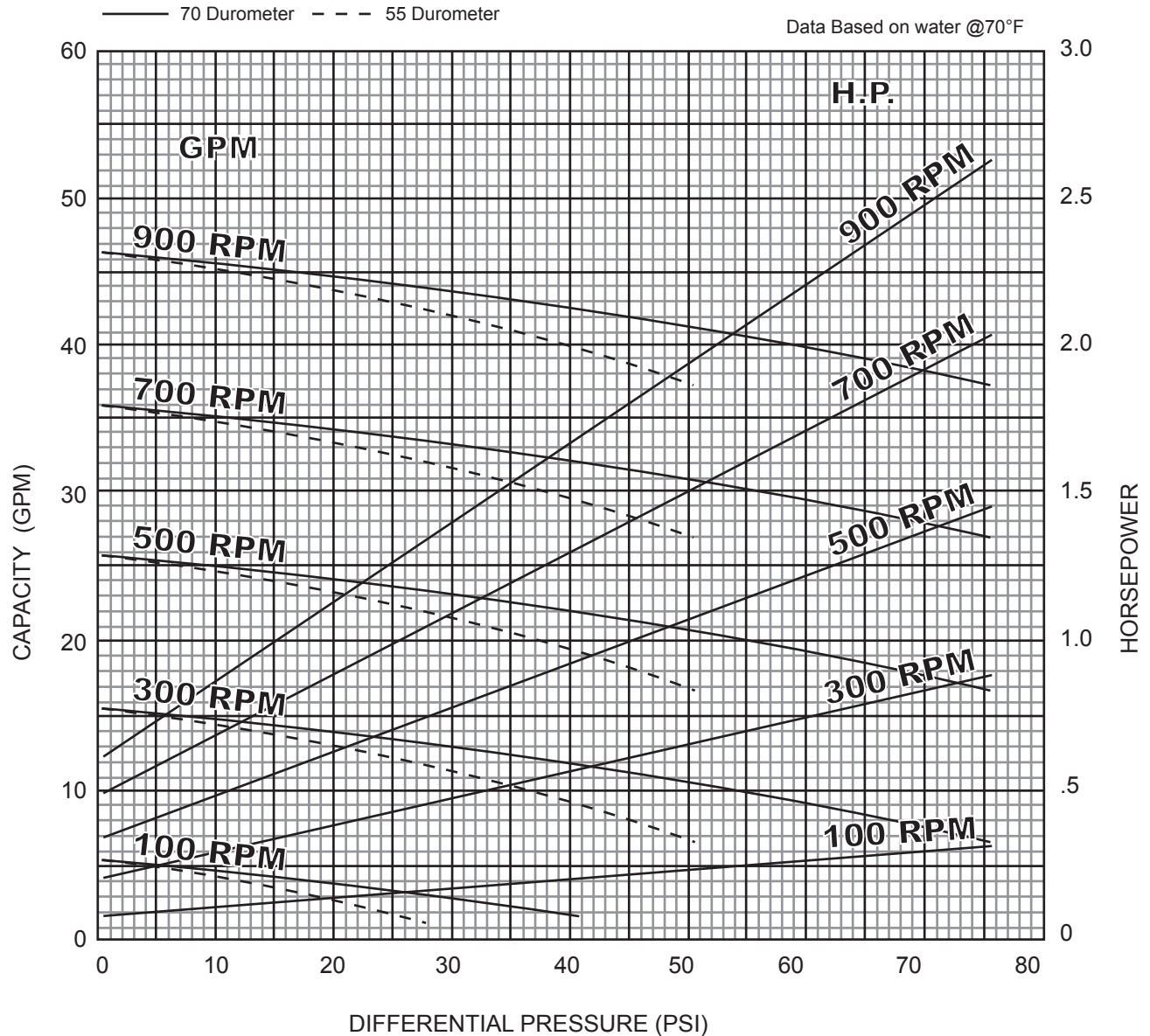


LIBERTY SERIES - 1LL6

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900
NPSH REQ'D	.6	1.7	2.9	4.1	6.9
MIN. HP	1/3	3/4	1	1 1/2	2



1 Stage Pump

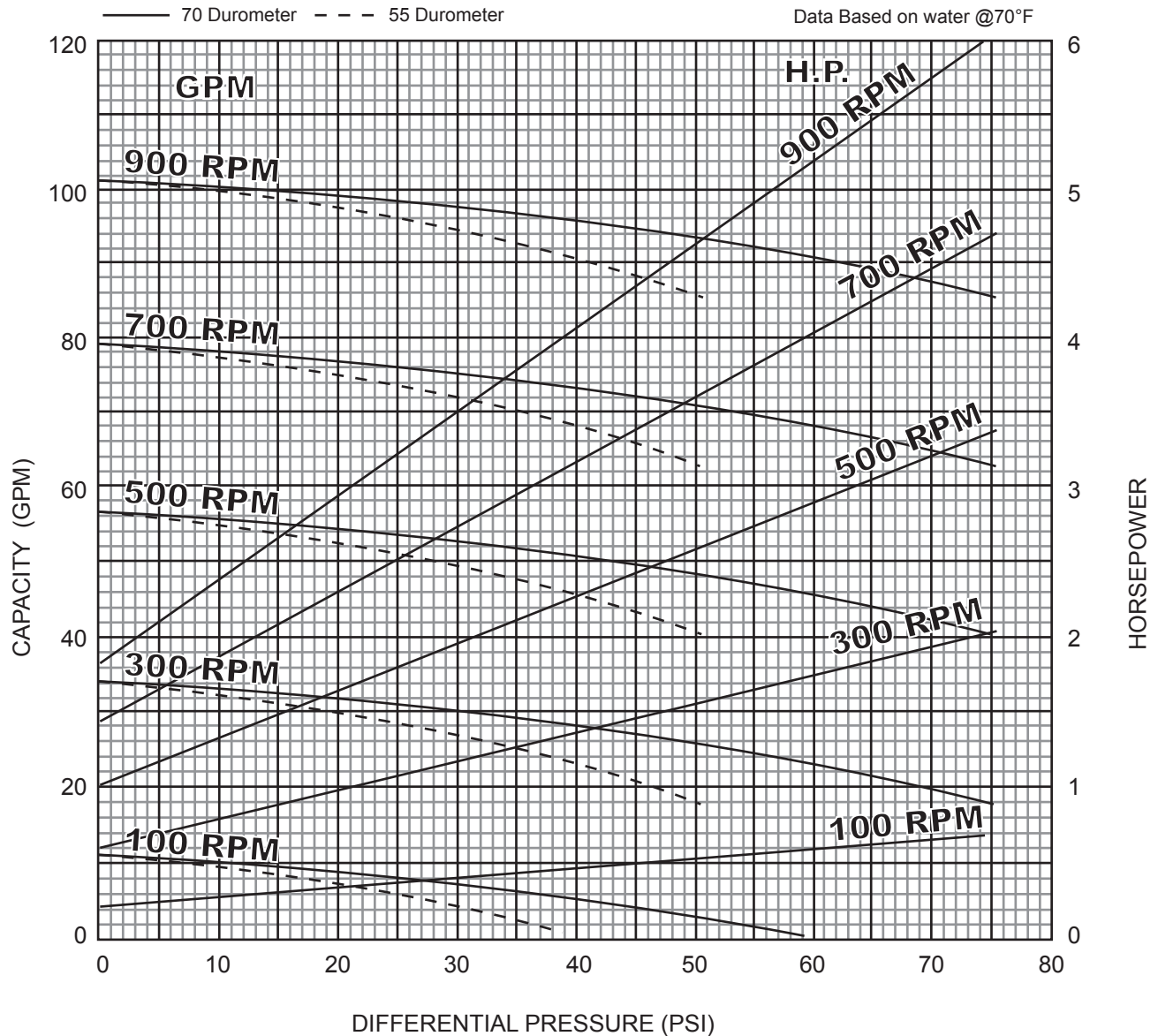


LIBERTY SERIES - 1LL8

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900
NPSH REQ'D	.8	2.2	3.7	6.9	10.5
MIN. HP	1/2	1-1/2	2	3	5



1 Stage Pump

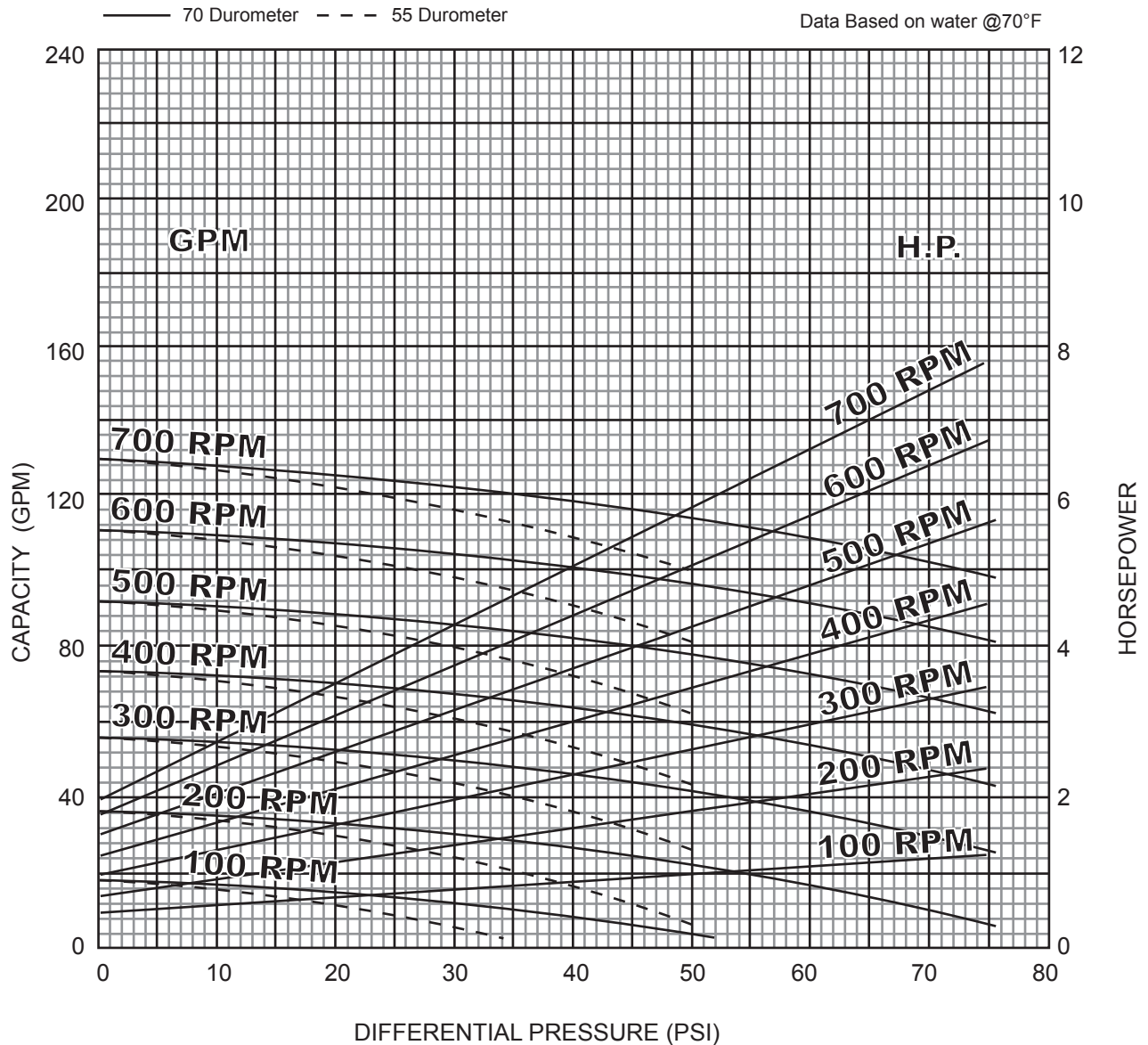


LIBERTY SERIES - ILLIO

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600	700
NPSH REQ'D	.9	1.7	2.6	3.5	4.9	6.9	9.1
MIN. HP	1	1-1/2	2	3	5	5	5



1 Stage Pump

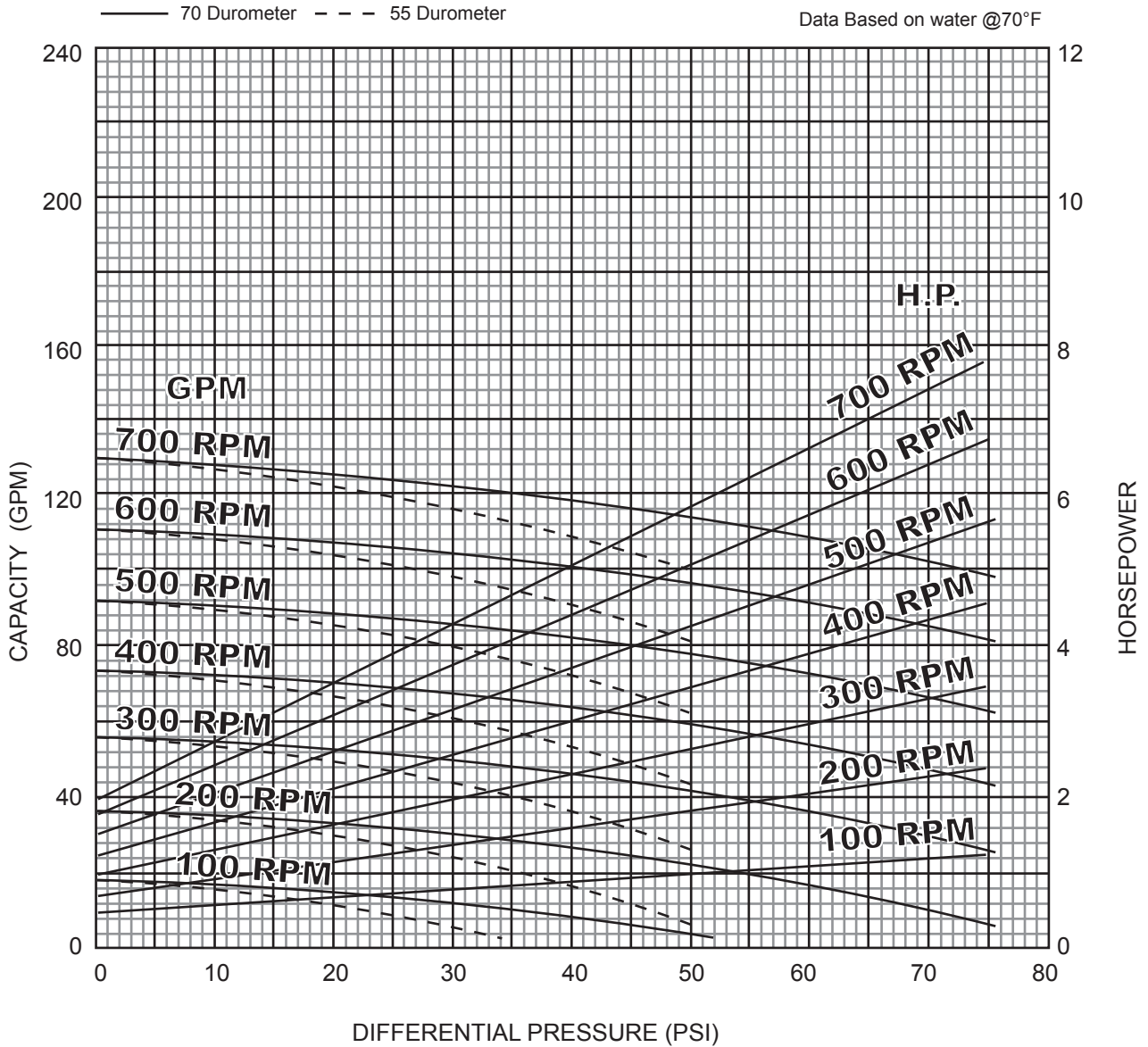


LIBERTY SERIES - ILLIOH

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600	700
NPSH REQ'D	.9	1.7	2.6	3.5	4.9	6.9	9.1
MIN. HP	1	1-1/2	2	3	5	5	5



1 Stage Pump

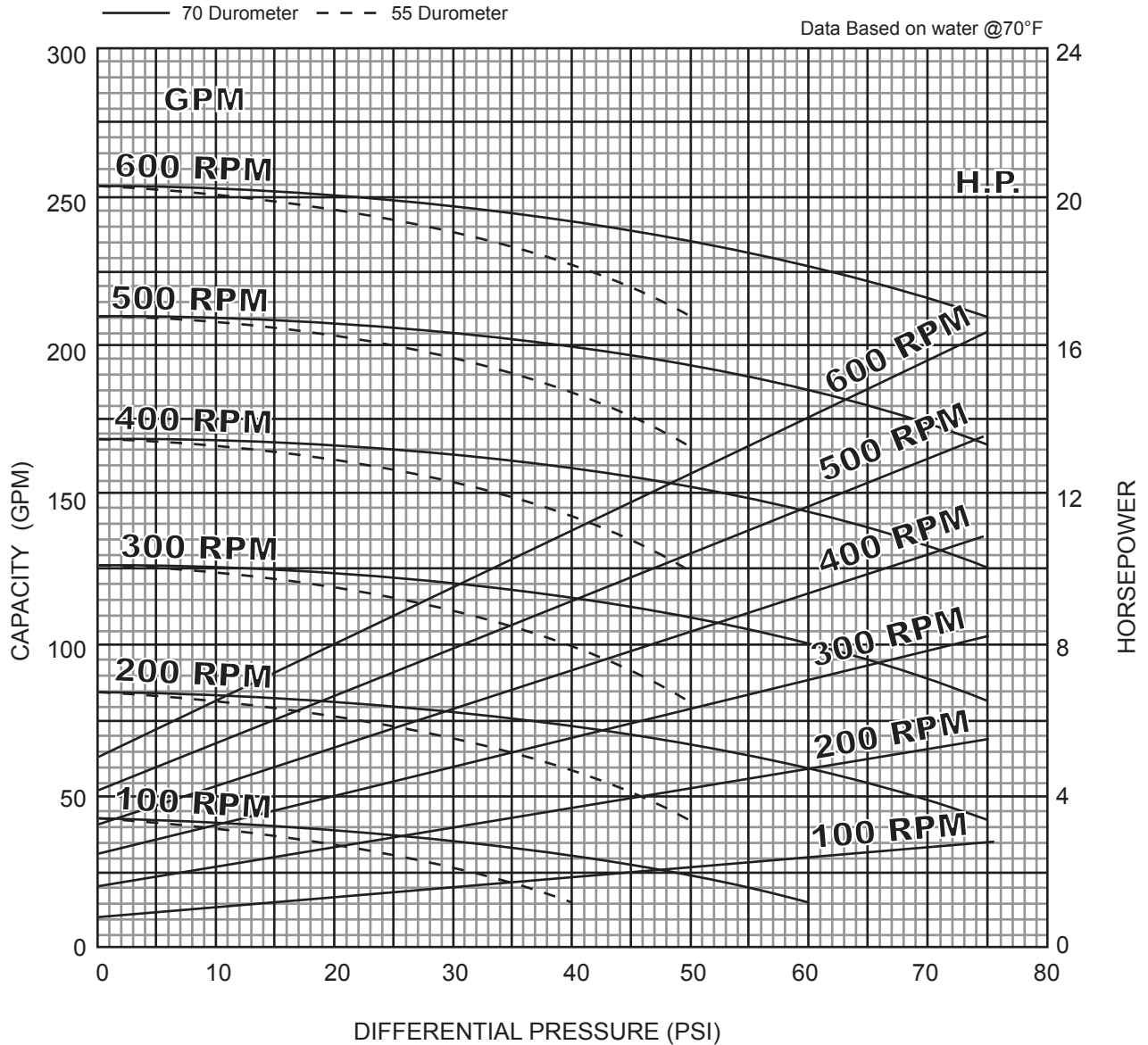


LIBERTY SERIES - 1LL12

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600
NPSH REQ'D	1.2	2.3	3.4	5.6	8.4	11.2
MIN. HP	3	5	5	7-1/2	10	10



1 Stage Pump

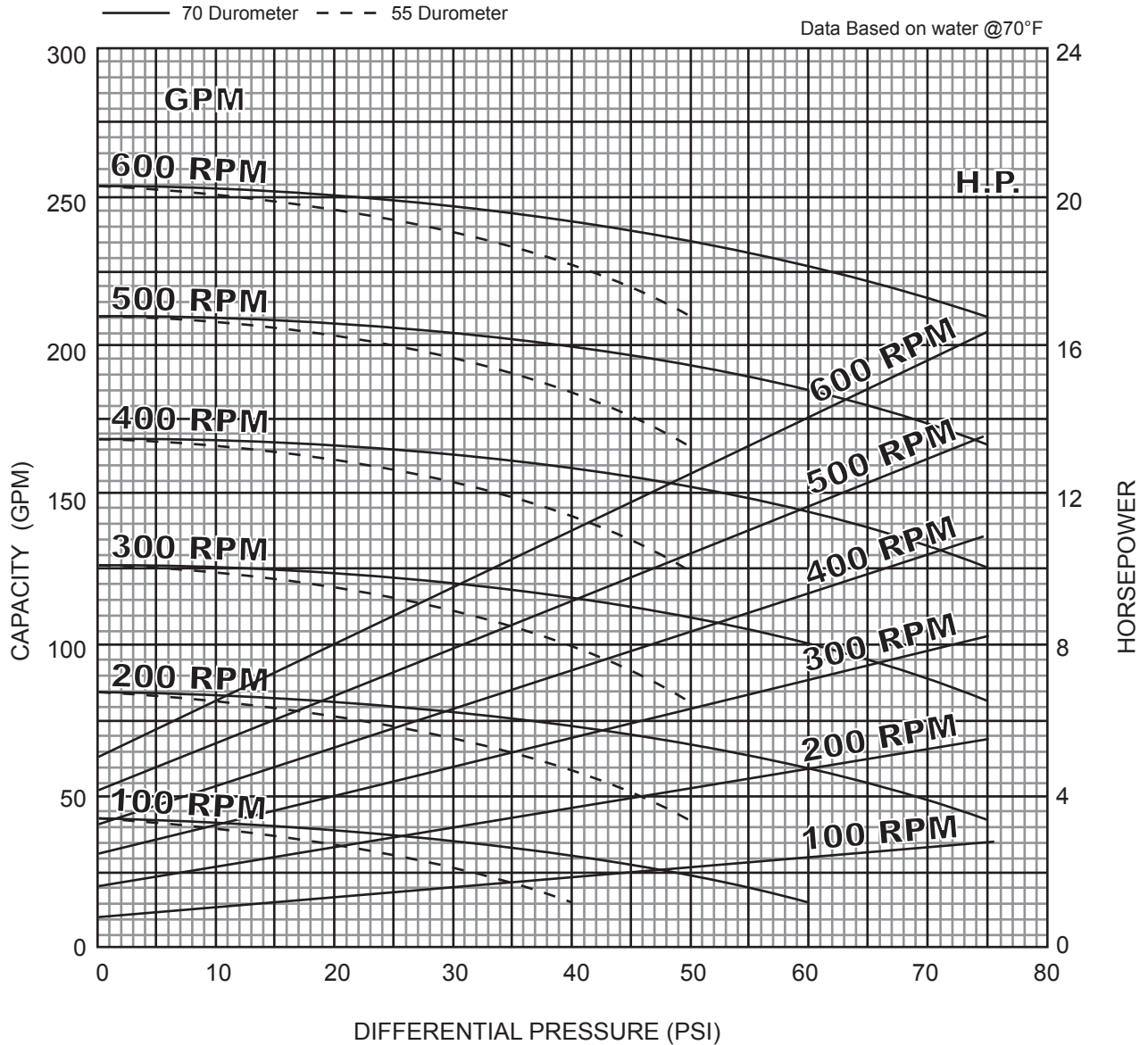


LIBERTY SERIES - 1LL12H

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600
NPSH REQ'D	1.2	2.3	3.4	5.6	8.4	11.2
MIN. HP	3	5	5	7-1/2	10	10



1 Stage Pump

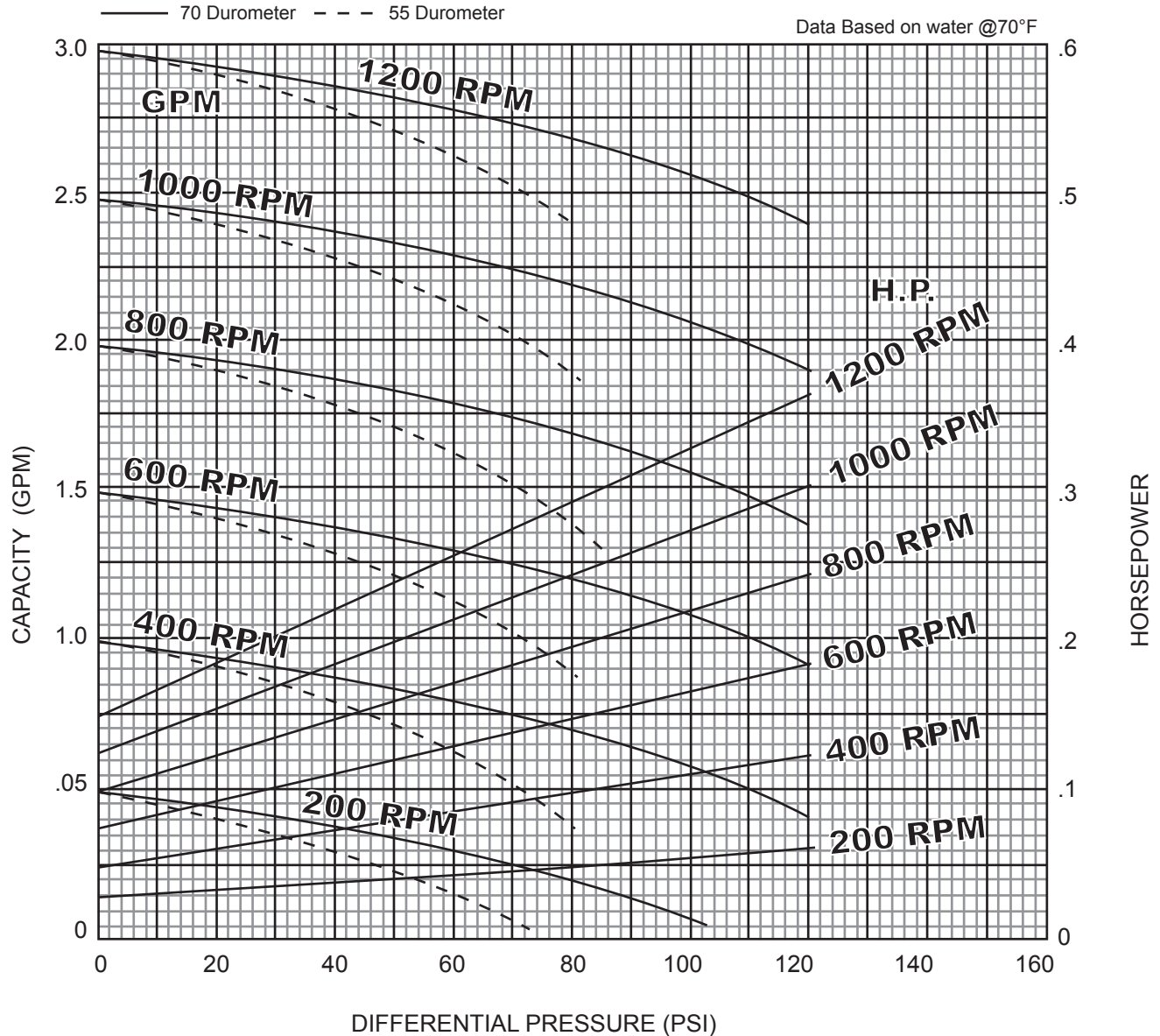


LIBERTY SERIES - 2LL2

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.4	.9	1.3	1.7	2.1	2.6
MIN. HP	1/8	1/6	1/4	1/3	1/3	1/2



2 Stage Pump

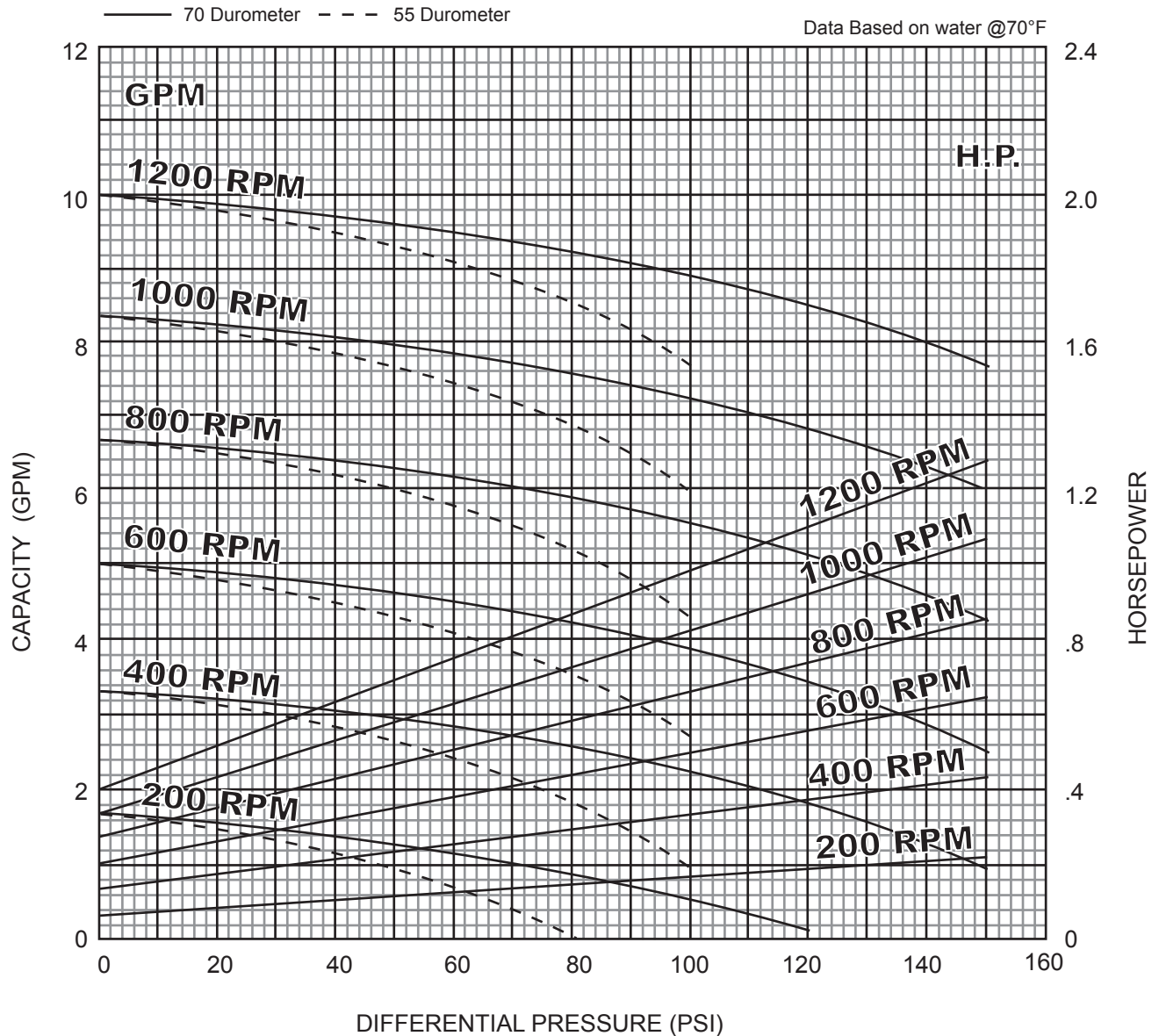


LIBERTY SERIES - 2LL3

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.6	1.3	2	2.6	3.2	3.9
MIN. HP	1/4	1/3	1/2	3/4	1	1



2 Stage Pump

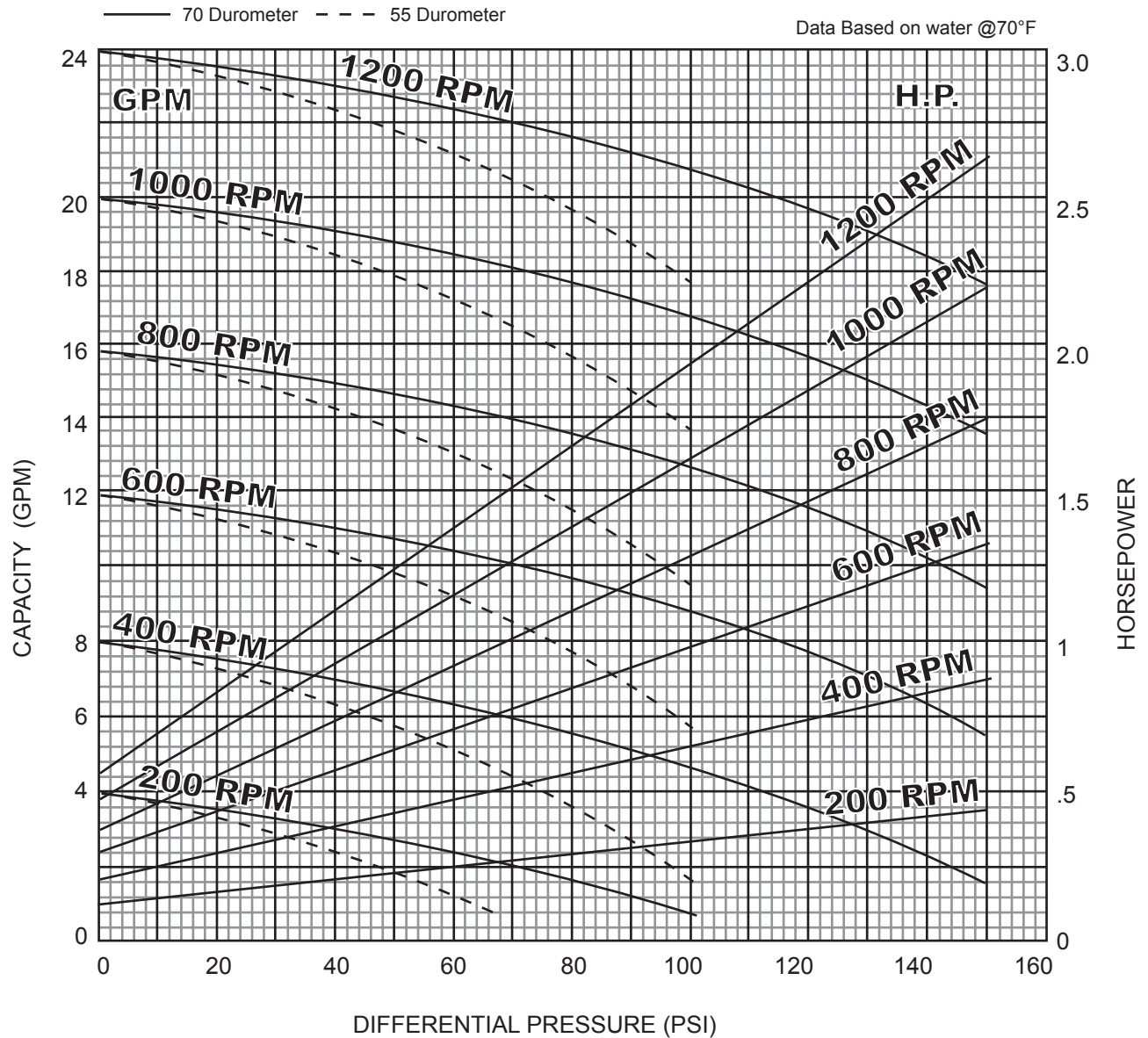


LIBERTY SERIES - 2LL4

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.9	1.7	2.6	3.4	4.8	6.7
MIN. HP	1/3	1/2	3/4	1	1-1/2	1-1/2



2 Stage Pump

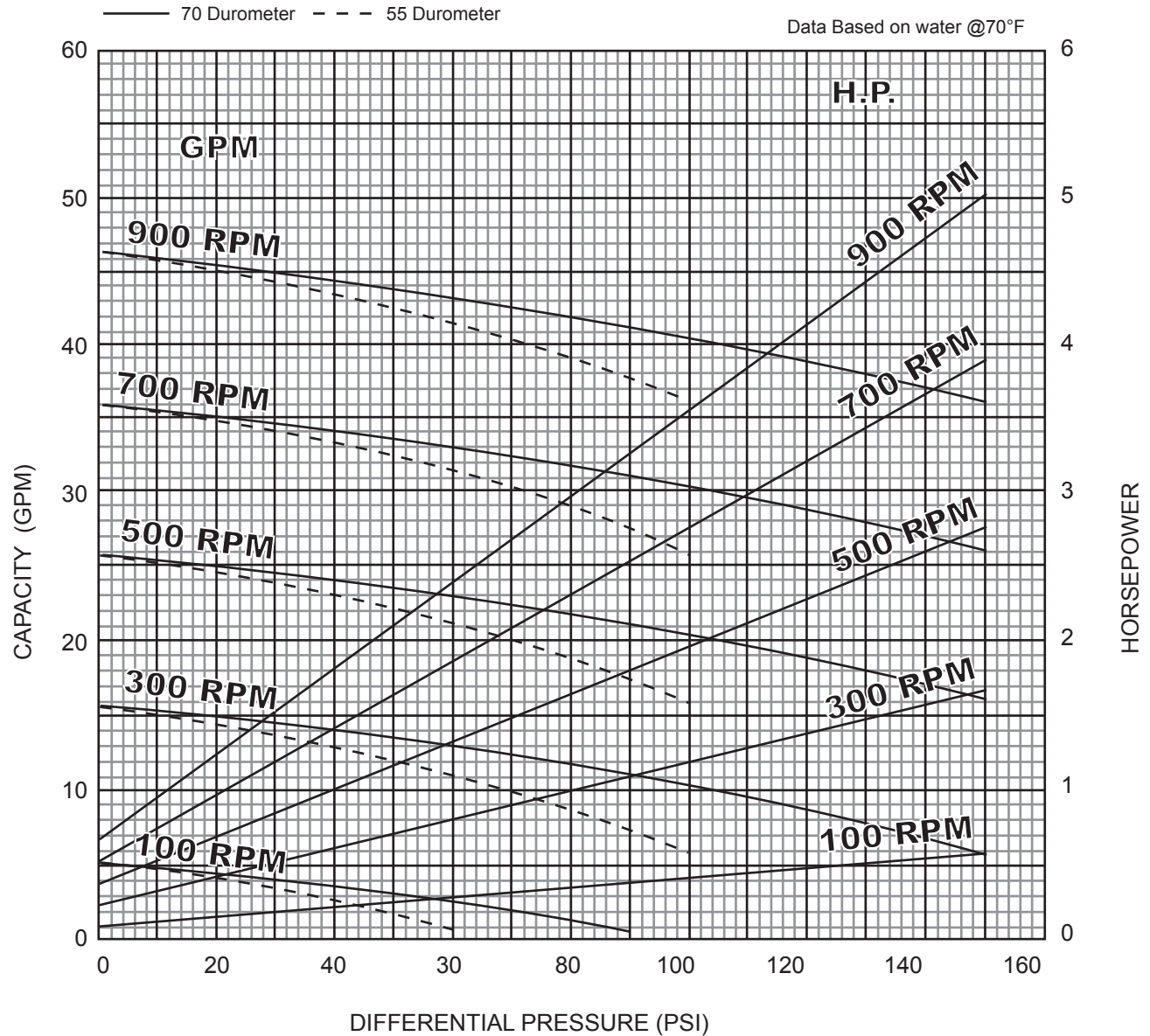


LIBERTY SERIES - 2LL6

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900
NPSH REQ'D	.6	1.7	2.9	4.1	6.9
MIN. HP	1/2	1 1/2	2	3	3



2 Stage Pump

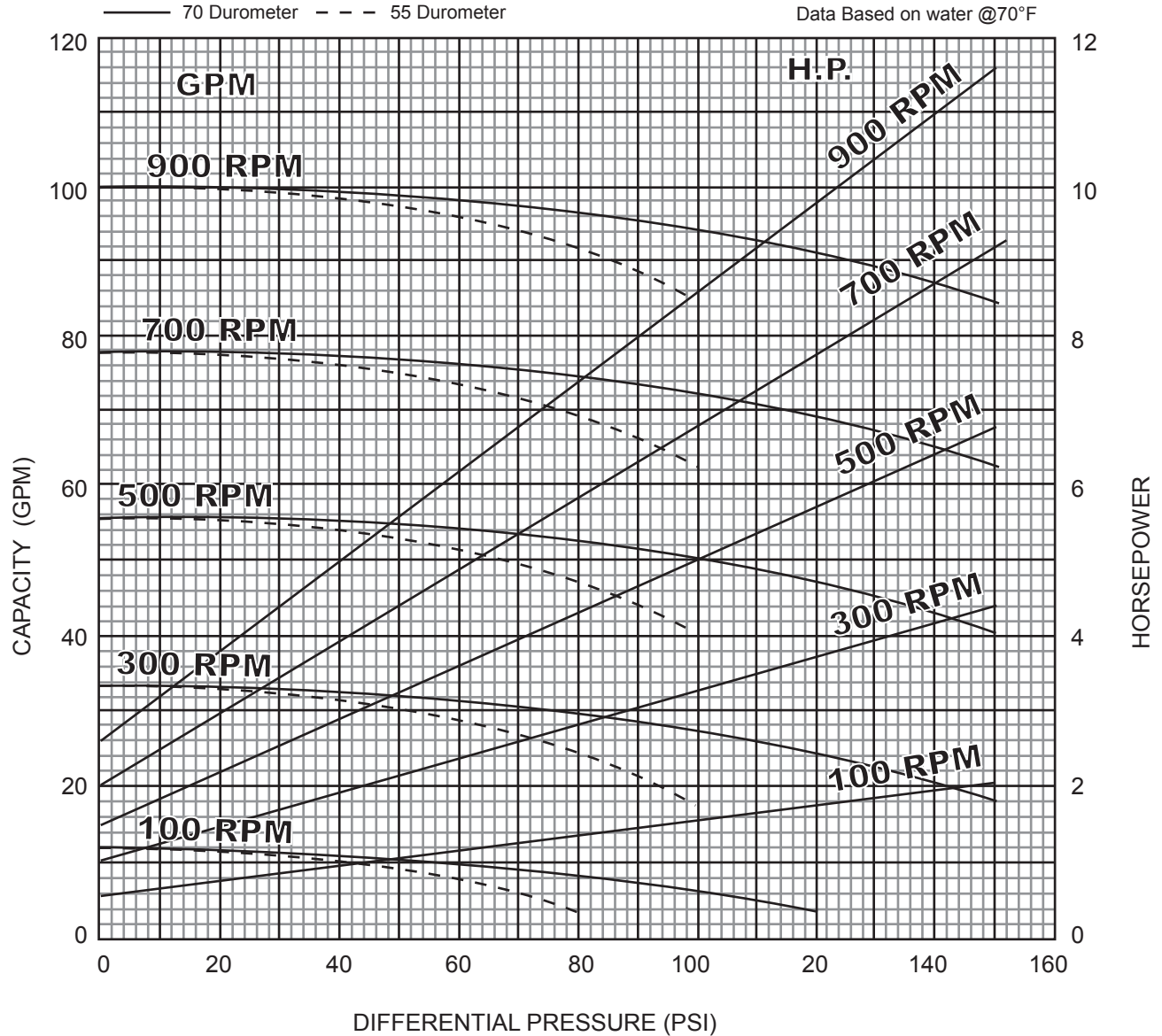


LIBERTY SERIES - 2LL8

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900
NPSH REQ'D	.8	2.2	3.7	6.9	10.5
MIN. HP	1-1/2	3	5	7-1/2	7-1/2



2 Stage Pump

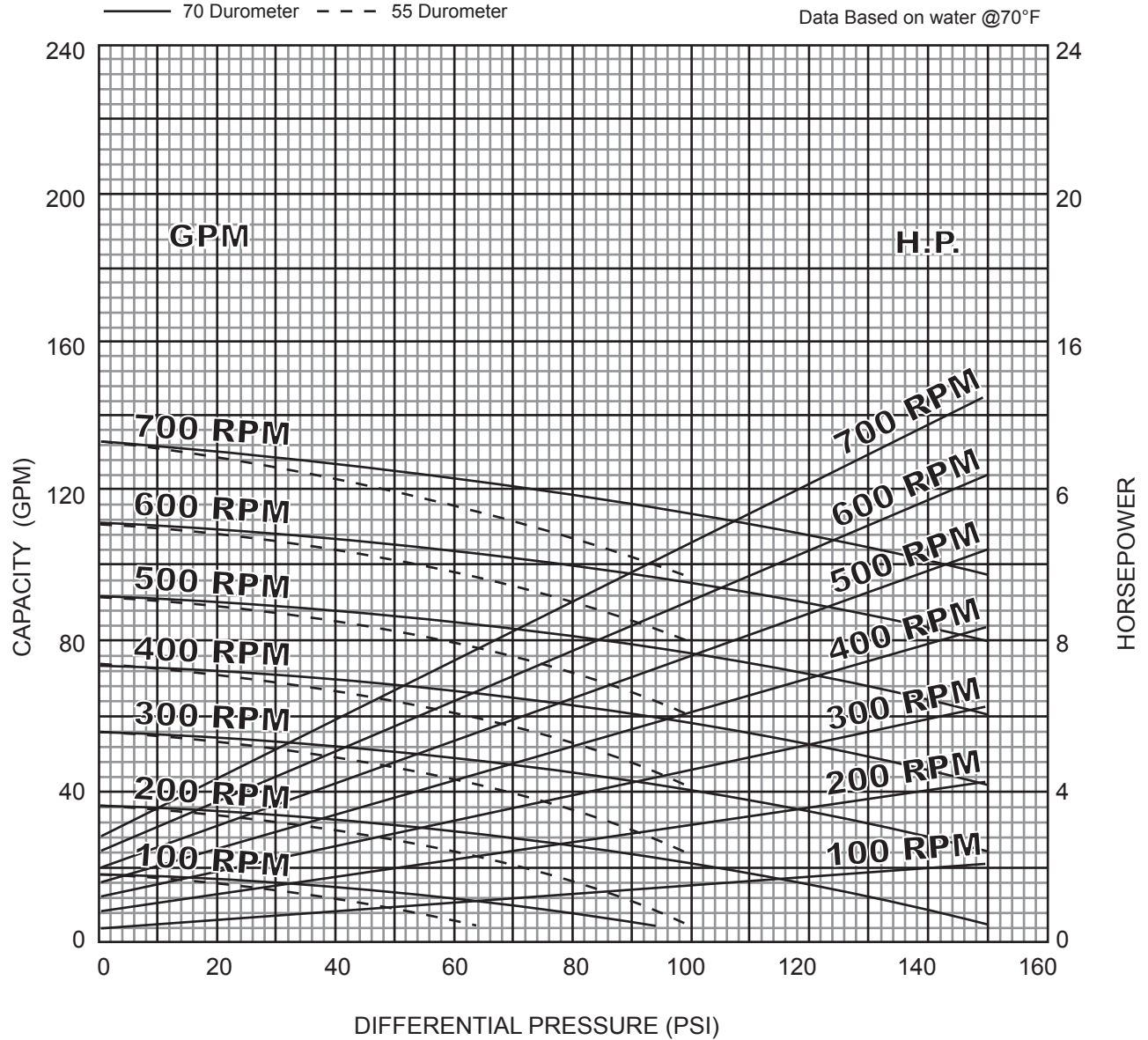


LIBERTY SERIES - 2LL10

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600	700
NPSH REQ'D	.9	1.7	2.6	3.5	4.9	6.9	9.1
MIN. HP	1-1/2	2	3	5	7-1/2	7-1/2	10



2 Stage Pump

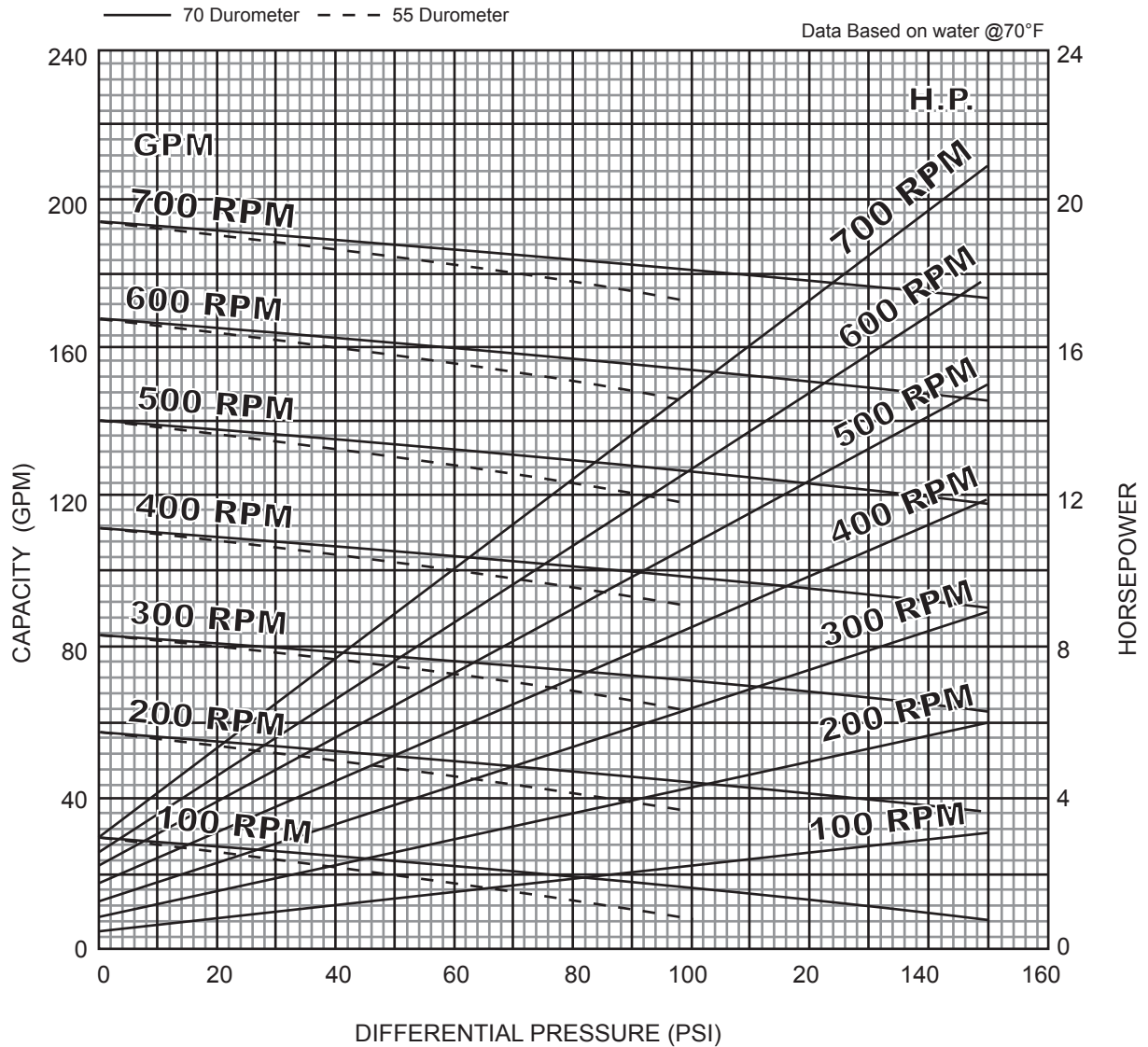


LIBERTY SERIES - 2LL10H

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600	700
NPSH REQ'D	1.1	2.1	3.2	4.7	7.4	9.9	12.6
MIN. HP	2	5	5	7-1/2	10	10	15



2 Stage Pump

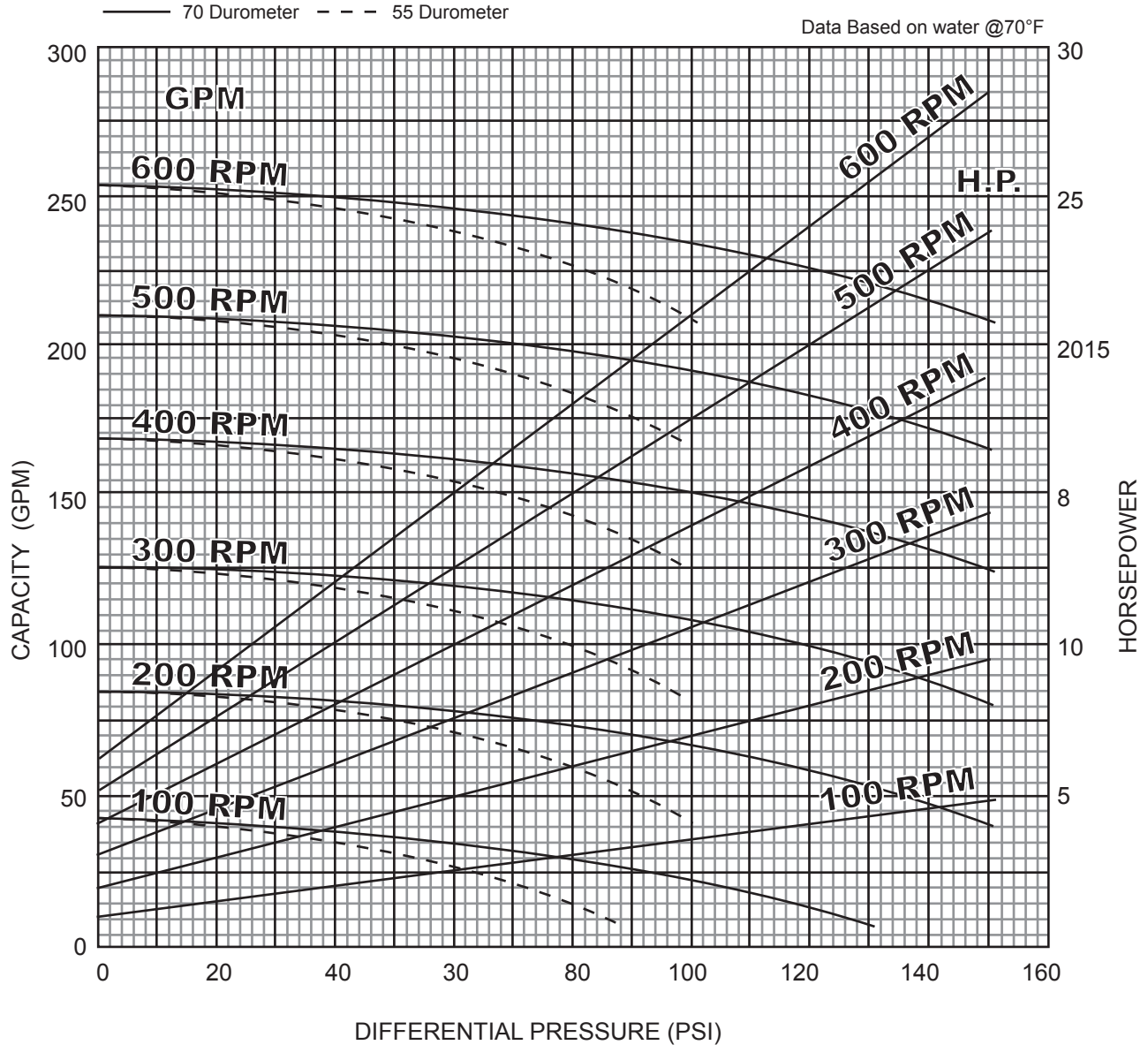


LIBERTY SERIES - 2LL12

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600
NPSH REQ'D	1.2	2.3	3.4	5.6	8.4	11.2
MIN. HP	5	7-1/2	10	15	15	20



2 Stage Pump

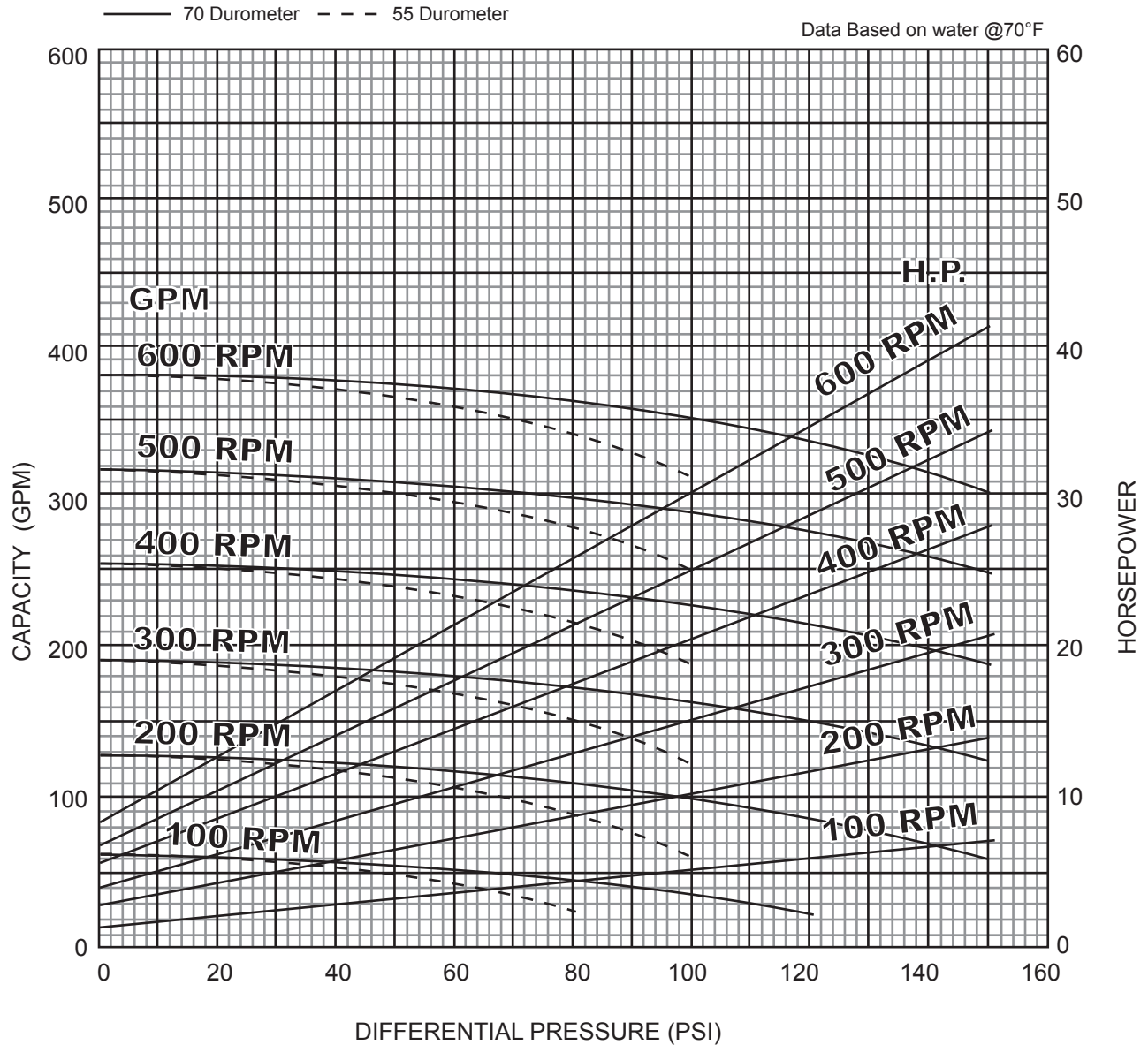


LIBERTY SERIES - 2LL12H

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600
NPSH REQ'D	1.4	2.8	4.6	8.1	11.5	15.0
MIN. HP	5	10	15	20	20	25



2 Stage Pump

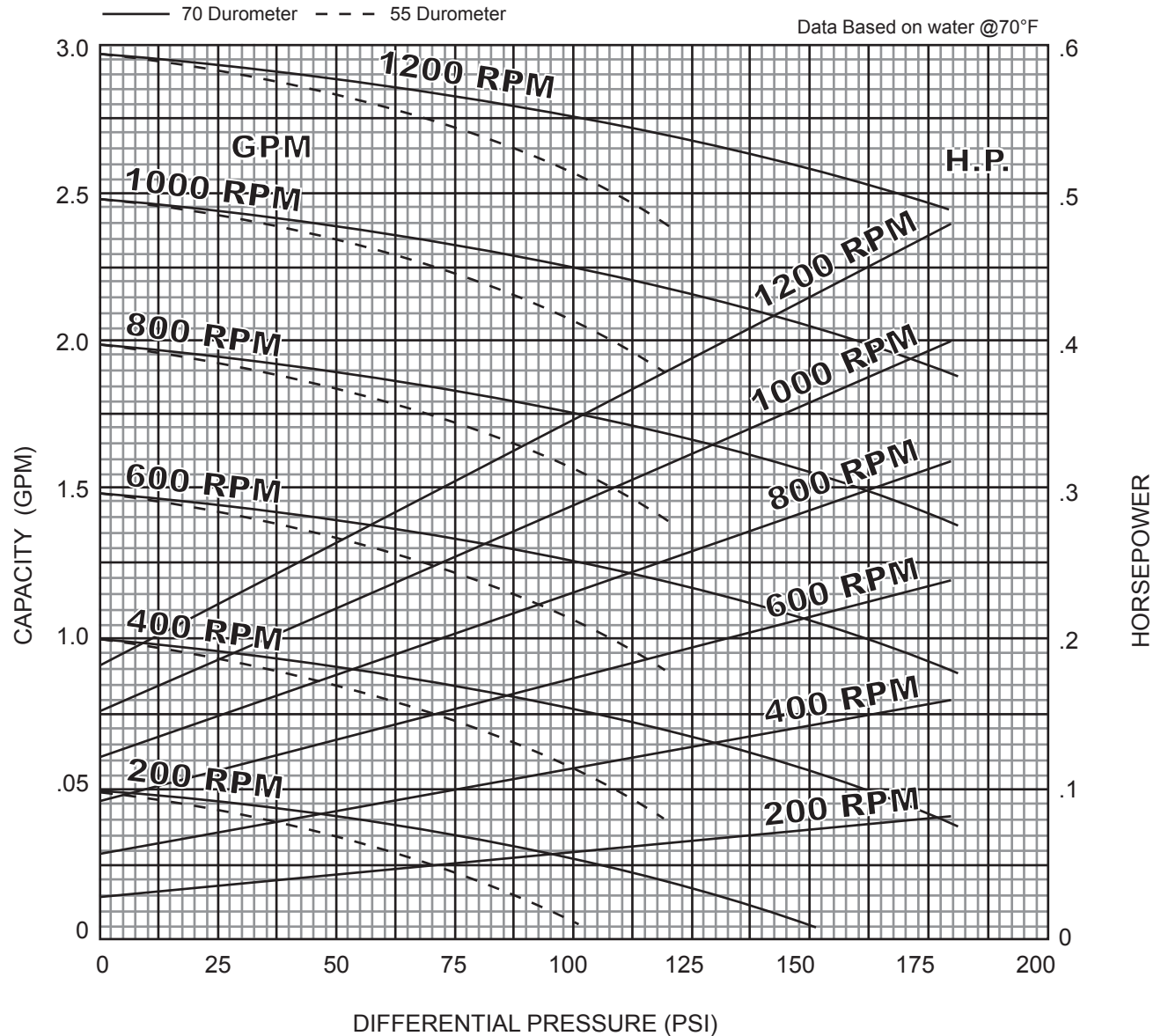


LIBERTY SERIES - 3LL2

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.4	.9	1.3	1.7	2.1	2.6
MIN. HP	1/6	1/4	1/3	1/2	1/2	3/4



3 Stage Pump

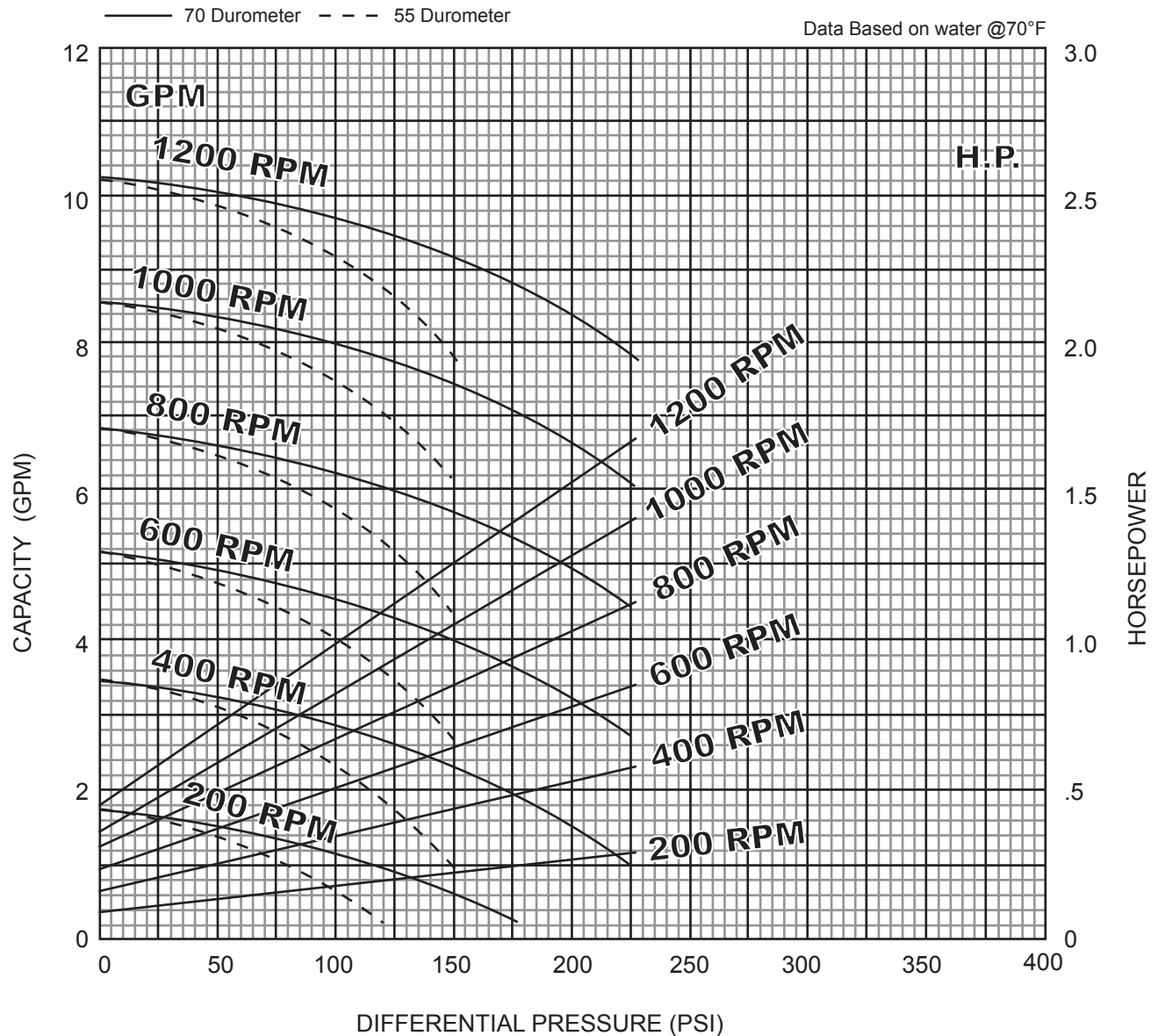


LIBERTY SERIES - 3LL3

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.6	1.3	2	2.6	3.2	3.9
MIN. HP	1/4	1/3	1/3	1/2	3/4	3/4



3 Stage Pump

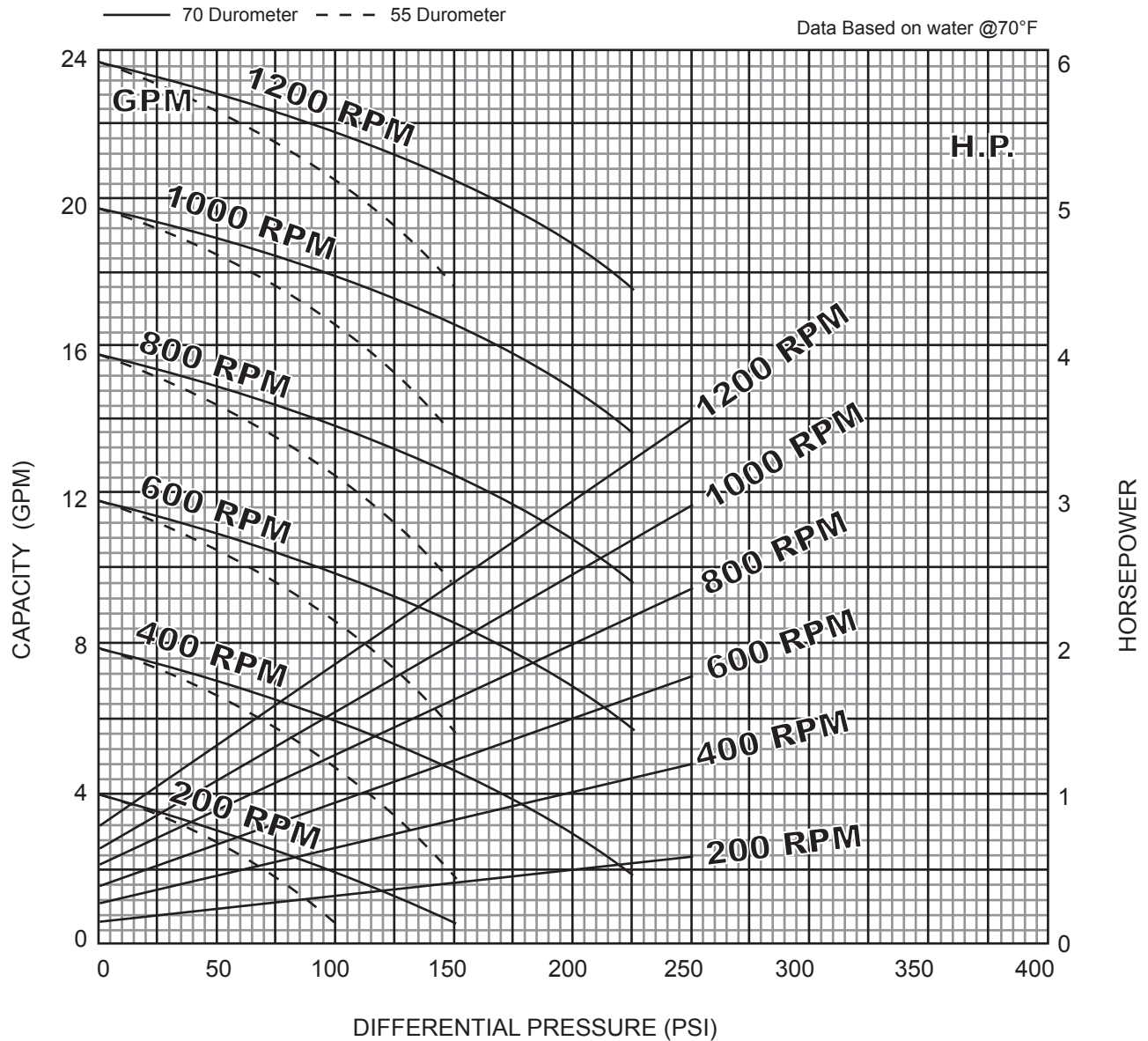


LIBERTY SERIES - 3LL4

Progressive Cavity Pump

Performance Curves

RPM	200	400	600	800	1000	1200
NPSH REQ'D	.9	1.7	2.6	3.4	4.8	6.7
MIN. HP	1/2	3/4	1	1-1/2	2	2



3 Stage Pump

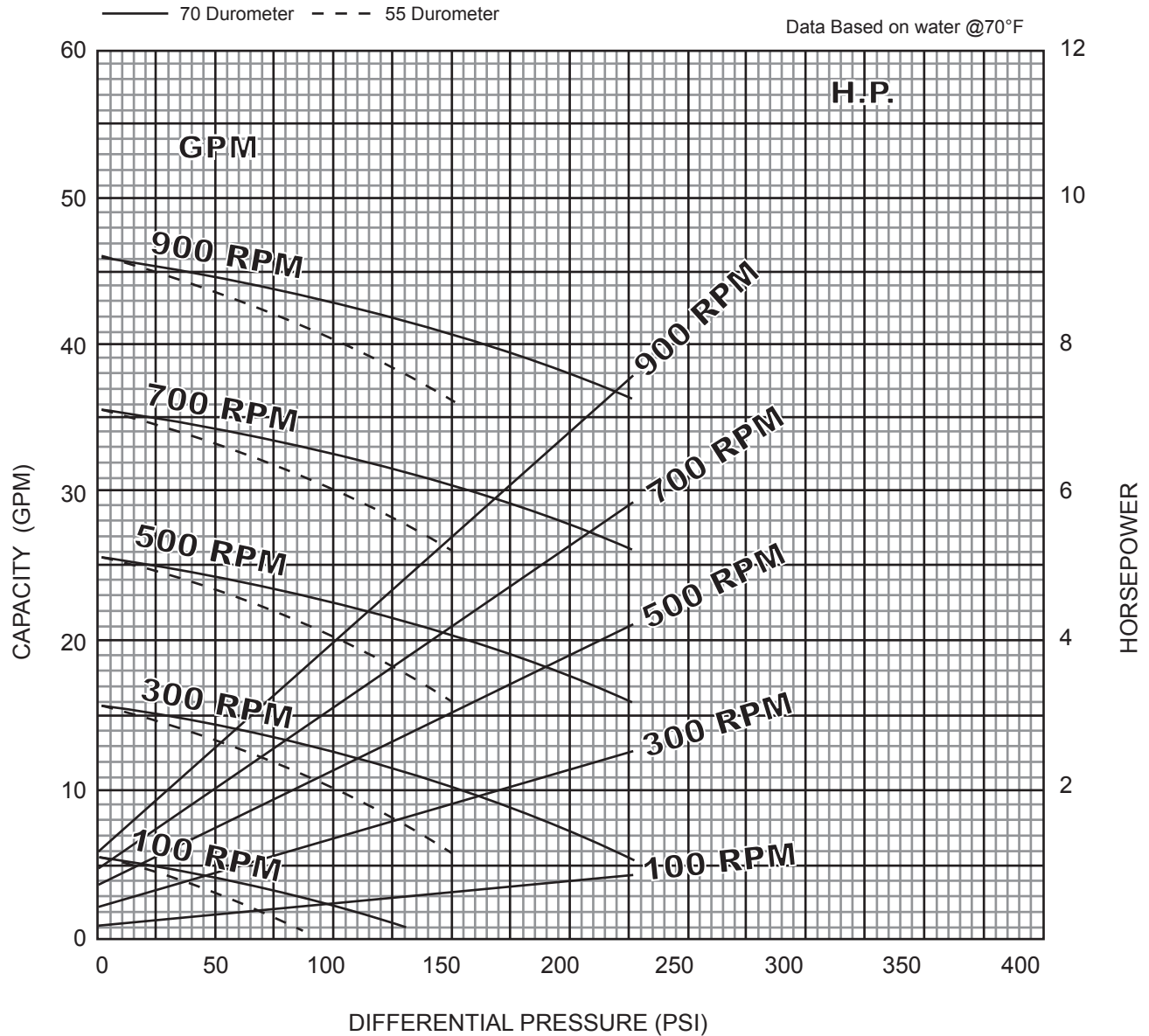


LIBERTY SERIES - 3LL6

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900
NPSH REQ'D	.6	1.7	2.9	4.1	6.9
MIN. HP	1	2	3	4	5



3 Stage Pump

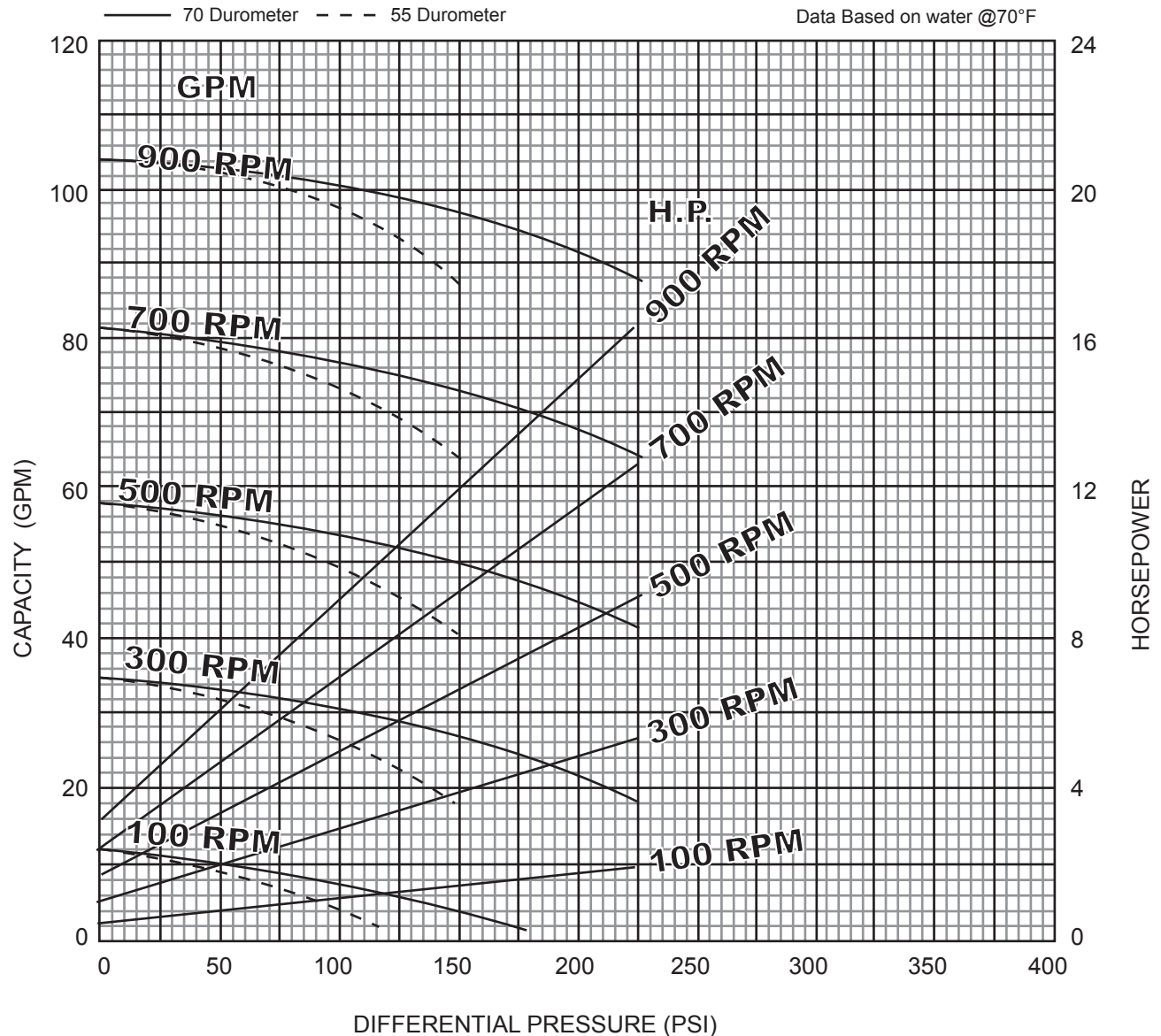


LIBERTY SERIES - 3LL8

Progressive Cavity Pump

Performance Curves

RPM	100	300	500	700	900
NPSH REQ'D	.8	2.2	3.7	6.9	10.5
MIN. HP	2	5	7-1/2	10	10



3 Stage Pump

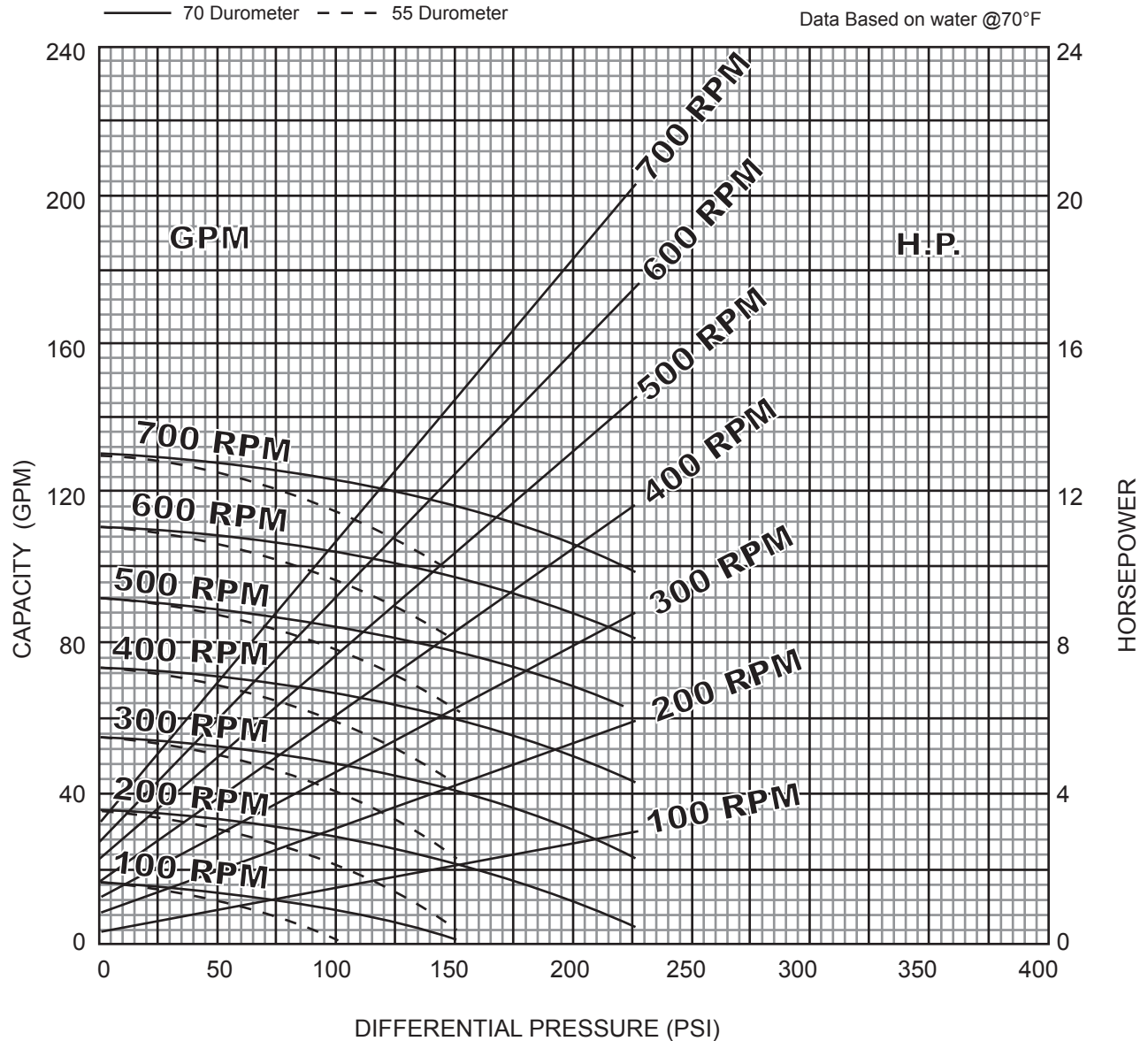


LIBERTY SERIES - 3LL10

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600	700
NPSH REQ'D	.9	1.7	2.6	3.5	4.9	6.9	9.1
MIN. HP	2	3	5	7-1/2	10	10	15



3 Stage Pump

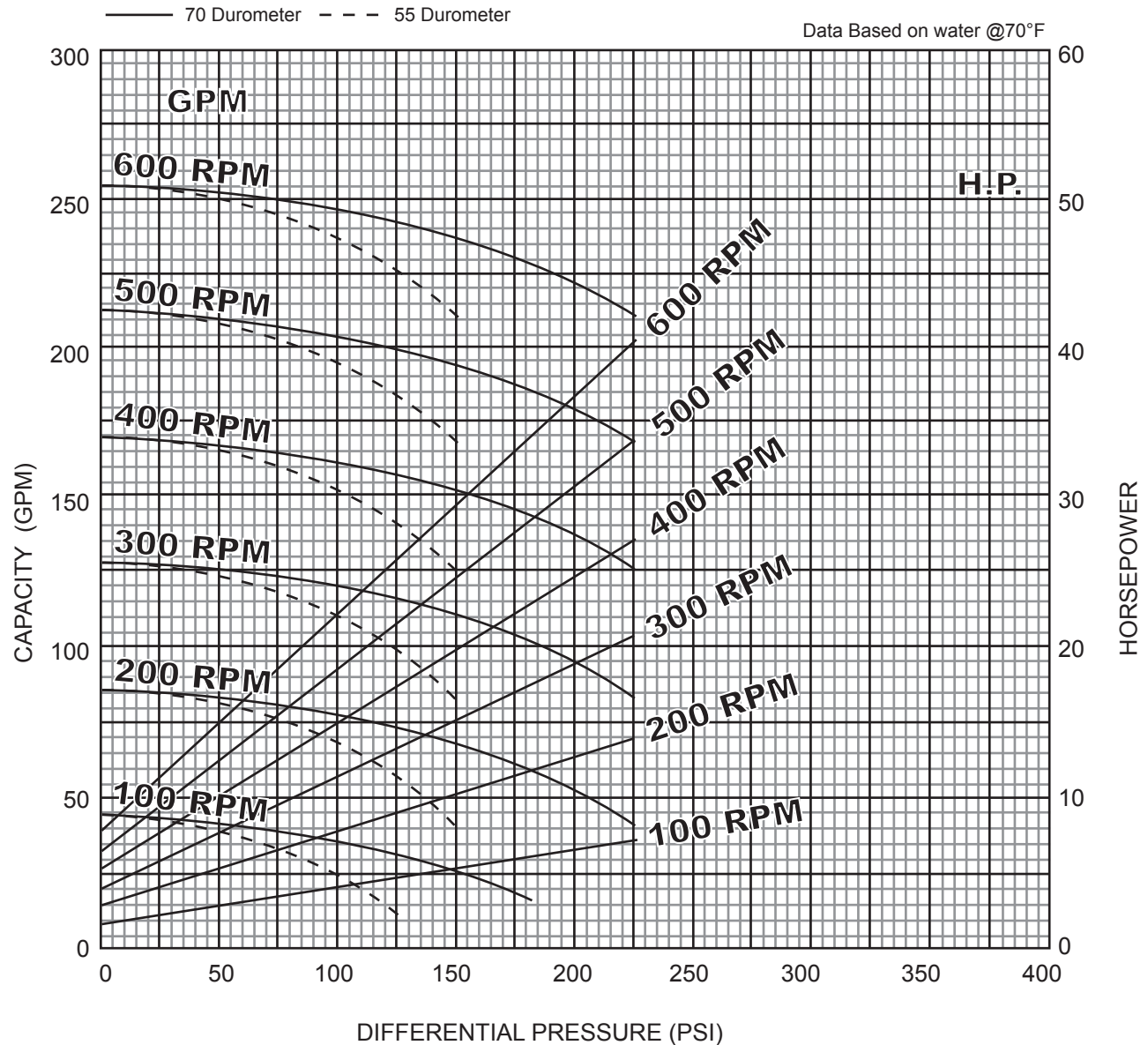


LIBERTY SERIES - 3LL12

Progressive Cavity Pump

Performance Curves

RPM	100	200	300	400	500	600
NPSH REQ'D	1.2	2.3	3.4	5.6	8.4	11.2
MIN. HP	5	10	15	15	20	25



3 Stage Pump