



# Performance Data 3HVPT SERIES

| MODEL      | RPM  | INLET/OUTLET (mm) | VACUUM 20%         |     | VACUUM 30%         |     | VACUUM 40%         |     | VACUUM 50%         |     | VACUUM 60%         |     | VACUUM 70%         |     | VACUUM 80%         |     | VACUUM 90%         |     | VACUUM 93%         |     |
|------------|------|-------------------|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|
|            |      |                   | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW |
| KAIV 3440T | 2900 | 200               | 3917               | 26  | 3854               | 38  | 3788               | 48  | 3713               | 60  | 3606               | 71  | 3423               | 82  | 2977               | 94  | 1955               | 106 | BO                 | 110 |
|            | 2660 |                   | 3576               | 24  | 3512               | 35  | 3446               | 44  | 3371               | 55  | 3265               | 65  | 3082               | 75  | 2635               | 86  | 1613               | 97  | -                  | -   |
|            | 2370 |                   | 3164               | 22  | 3100               | 31  | 3034               | 40  | 2959               | 49  | 2853               | 58  | 2670               | 67  | 2223               | 77  | 1201               | 87  | -                  | -   |
|            | 2090 |                   | 2766               | 19  | 2702               | 27  | 2636               | 35  | 2561               | 43  | 2455               | 51  | 2272               | 59  | 1825               | 68  | 802                | 76  | -                  | -   |
|            | 1800 |                   | 2353               | 17  | 2289               | 24  | 2223               | 30  | 2148               | 37  | 2042               | 44  | 1859               | 51  | 1412               | 58  | 390                | 65  | -                  | -   |
|            | 1550 |                   | 1998               | 15  | 1934               | 20  | 1868               | 26  | 1793               | 32  | 1687               | 38  | 1504               | 44  | 1057               | 50  | 34                 | 56  | -                  | -   |
| KAIV 3475T | 2500 | 300               | 5817               | 40  | 5700               | 58  | 5577               | 75  | 5468               | 87  | 5278               | 104 | 4807               | 121 | 3783               | 138 | 1061               | 157 | BO                 | 162 |
|            | 2250 |                   | 5190               | 36  | 5070               | 52  | 4944               | 68  | 4832               | 78  | 4639               | 93  | 4180               | 109 | 3178               | 125 | 426                | 141 | -                  | -   |
|            | 2090 |                   | 4788               | 34  | 4667               | 48  | 4539               | 63  | 4426               | 72  | 4230               | 87  | 3778               | 101 | 2791               | 116 | BO                 | 131 | -                  | -   |
|            | 1780 |                   | 4010               | 29  | 3886               | 41  | 3754               | 53  | 3638               | 62  | 3437               | 74  | 2999               | 86  | 2040               | 98  | -                  | 110 | -                  | -   |
|            | 1350 |                   | 2931               | 22  | 2804               | 31  | 2665               | 41  | 2546               | 47  | 2338               | 56  | 1919               | 66  | 1000               | 75  | -                  | -   | -                  | -   |
|            | 750  |                   | 1426               | 12  | 1290               | 17  | 1146               | 23  | 1021               | 26  | 804                | 31  | 413                | 37  | -                  | 41  | -                  | -   | -                  | -   |
| KAIV 540T  | 1900 | 300               | 7935               | 52  | 7826               | 71  | 7712               | 96  | 7585               | 121 | 7401               | 143 | 7085               | 165 | 6319               | 189 | 4559               | 213 | BO                 | 221 |
|            | 1700 |                   | 7062               | 47  | 6953               | 66  | 6839               | 86  | 6712               | 108 | 6528               | 128 | 6212               | 148 | 5446               | 169 | 3686               | 199 | -                  | -   |
|            | 1520 |                   | 6277               | 42  | 6168               | 59  | 6054               | 77  | 5927               | 97  | 5743               | 115 | 5427               | 132 | 4661               | 151 | 2901               | 170 | -                  | -   |
|            | 1340 |                   | 5492               | 37  | 5382               | 52  | 5268               | 67  | 5141               | 85  | 4957               | 101 | 4641               | 117 | 3875               | 134 | 2116               | 150 | -                  | -   |
|            | 1150 |                   | 4663               | 32  | 4553               | 45  | 4439               | 58  | 4312               | 73  | 4128               | 87  | 3812               | 100 | 3046               | 115 | 1287               | 129 | -                  | -   |
|            | 750  |                   | 2918               | 21  | 2808               | 29  | 2694               | 37  | 2567               | 48  | 2383               | 56  | 2067               | 66  | 1301               | 75  | BO                 | 84  | -                  | -   |
| KAIV 3690T | 1800 | 300               | 9190               | 61  | 9070               | 88  | 8861               | 112 | 8760               | 141 | 8538               | 165 | 8147               | 192 | 7208               | 219 | 5052               | 247 | BO                 | -   |
|            | 1600 |                   | 8121               | 54  | 8015               | 77  | 7830               | 98  | 7689               | 125 | 7458               | 144 | 7079               | 171 | 6139               | 196 | 3983               | 219 | -                  | -   |
|            | 1400 |                   | 7053               | 48  | 6961               | 68  | 6801               | 86  | 6654               | 109 | 6394               | 124 | 6008               | 149 | 5070               | 171 | 2915               | 192 | -                  | -   |
|            | 1200 |                   | 5982               | 40  | 5904               | 58  | 5768               | 73  | 5551               | 94  | 5431               | 109 | 5204               | 129 | 4000               | 147 | 1844               | 165 | -                  | -   |
|            | 800  |                   | 3843               | 27  | 3793               | 39  | 3706               | 48  | 3413               | 62  | 3137               | 72  | 2800               | 86  | 1861               | 98  | BO                 | 110 | -                  | -   |
| KAIV       | 1460 |                   | 14679              | 102 | 14505              | 145 | 14123              | 187 | 13645              | 230 | 13313              | 273 | 12865              | 316 | 12096              | 359 | 8097               | 402 | BO                 | -   |

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| MODEL   | RPM  | INLET/OUTLET (mm) | VACUUM 20%         |     | VACUUM 30%         |     | VACUUM 40%         |     | VACUUM 50%         |     | VACUUM 60%         |     | VACUUM 70%         |     | VACUUM 80%         |     | VACUUM 90%         |     | VACUUM 93%         |     |
|---------|------|-------------------|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|--------------------|-----|
|         |      |                   | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW | M <sup>3</sup> /hr | BKW |
| KAV 310 | 3500 | 125               | 1449               | 12  | 1417               | 16  | 1383               | 20  | 1344               | 24  | 1290               | 28  | 1195               | 33  | 965                | 37  | 267                | 41  | -                  | -   |
|         | 3110 |                   | 1275               | 10  | 1243               | 14  | 1209               | 18  | 1170               | 22  | 1116               | 25  | 1021               | 29  | 791                | 33  | 93                 | 37  | -                  | -   |
|         | 2920 |                   | 1191               | 10  | 1159               | 13  | 1125               | 17  | 1086               | 20  | 1031               | 24  | 936                | 27  | 707                | 31  | BO                 | 34  | -                  | -   |
|         | 2640 |                   | 1067               | 9   | 1035               | 12  | 1001               | 15  | 962                | 19  | 907                | 22  | 812                | 24  | 583                | 28  | -                  | 31  | -                  | -   |
|         | 2350 |                   | 938                | 8   | 906                | 11  | 872                | 14  | 833                | 17  | 778                | 20  | 683                | 22  | 454                | 24  | -                  | -   | -                  | -   |
| KAV 320 | 3300 | 150               | 2092               | 16  | 2029               | 21  | 1964               | 27  | 1889               | 34  | 1784               | 40  | 1602               | 47  | 1159               | 52  | 145                | 59  | -                  | -   |
|         | 3110 |                   | 1959               | 15  | 1896               | 20  | 1832               | 26  | 1757               | 32  | 1652               | 38  | 1470               | 44  | 1026               | 49  | BO                 | 56  | -                  | -   |
|         | 2940 |                   | 1841               | 14  | 1778               | 19  | 1714               | 24  | 1639               | 30  | 1534               | 36  | 1352               | 41  | 908                | 47  | -                  | 53  | -                  | -   |
|         | 2740 |                   | 1702               | 13  | 1639               | 18  | 1574               | 23  | 1499               | 28  | 1394               | 33  | 1212               | 39  | 769                | 44  | -                  | -   | -                  | -   |
|         | 2550 |                   | 1570               | 12  | 1507               | 16  | 1442               | 21  | 1367               | 27  | 1262               | 31  | 1080               | 36  | 637                | 41  | -                  | -   | -                  | -   |
| 2150    | 1292 | 10                | 1229               | 14  | 1163               | 18  | 1088               | 23  | 983                | 26  | 801                | 30  | 359                | 34  | -                  | -   | -                  | -   |                    |     |
| KAV 322 | 2900 | 200               | 3917               | 26  | 3854               | 38  | 3788               | 48  | 3713               | 60  | 3606               | 71  | 3423               | 82  | 2977               | 94  | 1955               | 106 | BO                 | BO  |
|         | 2660 |                   | 3576               | 24  | 3512               | 35  | 3446               | 44  | 3371               | 55  | 3265               | 65  | 3082               | 75  | 2635               | 86  | 1613               | 97  | -                  | -   |
|         | 2370 |                   | 3164               | 22  | 3100               | 31  | 3034               | 40  | 2959               | 49  | 2853               | 58  | 2670               | 67  | 2223               | 77  | 1201               | 87  | -                  | -   |
|         | 2090 |                   | 2766               | 19  | 2702               | 27  | 2636               | 35  | 2561               | 43  | 2455               | 51  | 2272               | 59  | 1825               | 68  | 802                | 76  | -                  | -   |
|         | 1800 |                   | 2353               | 17  | 2289               | 24  | 2223               | 30  | 2148               | 37  | 2042               | 44  | 1859               | 51  | 1412               | 58  | 390                | 65  | -                  | -   |
| 1550    | 1998 | 15                | 1934               | 20  | 1868               | 26  | 1793               | 32  | 1687               | 38  | 1504               | 44  | 1057               | 50  | 34                 | 56  | -                  | -   |                    |     |
| KAV     | 2500 | 300               | 5817               | 40  | 5700               | 58  | 5577               | 75  | 5468               | 87  | 5278               | 104 | 4807               | 121 | 3783               | 138 | 1061               | 157 | BO                 | BO  |
|         | 2250 |                   | 5190               | 36  | 5070               | 52  | 4944               | 68  | 4832               | 78  | 4639               | 93  | 4180               | 109 | 3178               | 125 | 426                | 141 | -                  | -   |
|         | 2090 |                   | 4788               | 34  | 4667               | 48  | 4539               | 63  | 4426               | 72  | 4230               | 87  | 3778               | 101 | 2791               | 116 | BO                 | 131 | -                  | -   |

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