

|                                               |            |                                                         |            |
|-----------------------------------------------|------------|---------------------------------------------------------|------------|
| <b>1. Kuhinja</b>                             | <b>7</b>   | <b>12. Balkon in terasa</b>                             | <b>143</b> |
| Osnovna informacija za načrtovanje in izvedbo | 8          | Osnovna informacija za načrtovanje in izvedbo           | 144        |
| Produkti                                      | 9          | Izbira ustreznega odтока                                | 145        |
| <b>2. Umivalnik</b>                           | <b>19</b>  | Primer vgradnje                                         | 146        |
| Osnovna informacija za načrtovanje in izvedbo | 20         | Montaža                                                 | 147        |
| Pregled produktov                             | 20         | Pregled produktov                                       | 148        |
| Produkti                                      | 21         | Produkti                                                | 150        |
| <b>3. Kopalne kadi</b>                        | <b>27</b>  | <b>Atika odtoki</b>                                     | <b>160</b> |
| Osnovna informacija za načrtovanje in izvedbo | 28         | Osnovna informacija za načrtovanje in izvedbo           | 160        |
| Pregled produktov                             | 28         | Primer vgradnje                                         | 160        |
| Produkti                                      | 29         | Produkti                                                | 163        |
| <b>4. Tuš kadi</b>                            | <b>33</b>  | <b>13. Tla</b>                                          | <b>167</b> |
| Osnovna informacija za načrtovanje in izvedbo | 34         | Osnovna informacija za načrtovanje in izvedbo           | 168        |
| Pregled produktov                             | 35         | Izbira ustreznega odтока                                | 169        |
| Montaža                                       | 36         | Primer vgradnje                                         | 170        |
| Produkti                                      | 38         | Montaža                                                 | 171        |
| <b>5. Tuši brez pregrad</b>                   | <b>43</b>  | Pregled produktov                                       | 172        |
| Osnovna informacija za načrtovanje in izvedbo | 45         | Produkti                                                | 176        |
| Primer vgradnje                               | 46         | <b>14. Tesnilne garniture/Elementi cevni podaljškov</b> | <b>201</b> |
| Montaža                                       | 48         | Tesnilne garniture - Pregled produktov                  | 202        |
| Produkti                                      | 52         | Elementi cevni podaljškov - Pregled produktov           | 204        |
| <b>6. Pralne naprave</b>                      | <b>71</b>  | Tesnilne garniture - Produkti                           | 206        |
| Osnovna informacija za načrtovanje in izvedbo | 72         | Elementi cevni podaljškov - Produkti                    | 211        |
| Pregled produktov                             | 72         | <b>15. Veliki odtoki serije Perfekt</b>                 | <b>215</b> |
| Montaža                                       | 74         | Osnovna informacija za načrtovanje in izvedbo           | 216        |
| Produkti                                      | 75         | Izbira ustreznega odтока                                | 217        |
| <b>7. Klima in prezračevanje</b>              | <b>83</b>  | Primer vgradnje                                         | 218        |
| Osnovna informacija za načrtovanje in izvedbo | 84         | Montaža                                                 | 219        |
| Produkti                                      | 85         | Pregled produktov                                       | 220        |
| <b>8. WC</b>                                  | <b>89</b>  | Produkti                                                | 222        |
| Osnovna informacija za načrtovanje in izvedbo | 90         | <b>16. Zapore povratnega toka</b>                       | <b>231</b> |
| Produkti                                      | 90         | Osnovna informacija za načrtovanje in izvedbo           | 232        |
| <b>9. Pisoarji</b>                            | <b>95</b>  | Predstavitev naprave za odvodnjavanje                   | 232        |
| Osnovna informacija za načrtovanje in izvedbo | 96         | Izbira ustrezne zapore povratnega toka                  | 233        |
| Produkti                                      | 96         | Pregled produktov                                       | 234        |
| <b>10. Cevni prezračevalec</b>                | <b>99</b>  | Produkti                                                | 236        |
| Osnovna informacija za načrtovanje in izvedbo | 100        | <b>17. Požiralniki deževnice</b>                        | <b>243</b> |
| Primer izračuna – Princip delovanja           | 101        | Osnovna informacija za načrtovanje in izvedbo           | 244        |
| Produkti                                      | 102        | Montaža, vzdrževanje, čiščenje                          | 247        |
| <b>11. Streha</b>                             | <b>107</b> | Produkti                                                | 248        |
| Osnovna informacija za načrtovanje in izvedbo | 108        | <b>18. Cevni prehodi</b>                                | <b>251</b> |
| Izbira ustreznega odтока                      | 109        | Osnovna informacija za načrtovanje in izvedbo           | 252        |
| Primer vgradnje                               | 110        | Produktübersicht                                        | 253        |
| Montaža                                       | 112        | Montaža                                                 | 254        |
| Pregled produktov                             | 114        | Produkti                                                | 255        |
| Produkti                                      | 116        | Tabela za hitro iskanje k HL801V/R/B                    | 258        |
| <b>Zasilno odvodnjavanje</b>                  | <b>131</b> | <b>19. Oprema</b>                                       | <b>259</b> |
| Osnovna informacija za načrtovanje in izvedbo | 132        | Požarna zaščita: Princip delovanja in vgradnja          | 260        |
| Primer izračuna – Princip delovanja           | 133        | Produkti                                                | 261        |
| Pregled produktov                             | 136        | <b>Zvočna zaščita</b>                                   | <b>266</b> |
| Produkti                                      | 137        | <b>Zaznamki</b>                                         | <b>269</b> |

# Kazalo

| Artikel                 | Stran | Artikel         | Stran | Artikel        | Stran | Artikel        | Stran | Artikel           | Stran | Artikel    | Stran |
|-------------------------|-------|-----------------|-------|----------------|-------|----------------|-------|-------------------|-------|------------|-------|
| HL050D                  | 59    | HL11            | 12    | HL42.MS        | 264   | HL64HSafe      | 139   | HL80              | 150   | HL134      | 1)*   |
| HL050I                  | 59    | HL12.1(2)(3)(4) | 12    | HL43           | 264   | HL64P          | 122   | HL80CR            | 1)*   | HL134.0    | 22    |
| HL050S                  | 59    | HL12.5          | 24    | HL44           | 1)*   | HL64PPower     | 124   | HL80H             | 150   | HL134.1C   | 22    |
| HL050.3EN               | 59    | HL13            | 12    | HL45           | 265   | HL64PPowersafe | 141   | HL80HR            | 1)*   | HL134.1K   | 22    |
| HL053M.2                | 65    | HL13.0/40       | 1)*   | HL50F.0        | 52    | HL64PSafe      | 140   | HL80R             | 1)*   | HL134.2    | 1)*   |
| HL053P.2                | 65    | HL13-2/40       | 13    | HL50FF.0       | 53    | HL64Safe       | 139   | HL80.1            | 176   | HL135      | 22    |
| HL053M                  | 64    | HL13G           | 13    | HL50FU.0       | 54    | HL64.1         | 120   | HL80.1H           | 176   | HL136T     | 86    |
| HL053P                  | 64    | HL13G.0/40      | 1)*   | HL50FV.0       | 58    | HL64.1B        | 121   | HL80.1HR          | 1)*   | HL136.2    | 85    |
| HL053S                  | 64    | HL14/90         | 13    | HL50W.0        | 55    | HL64.1BF       | 123   | HL80.1R           | 177   | HL136T.3   | 86    |
| HL053WS                 | 65    | HL15            | 14    | HL50WF.0       | 56    | HL64.1BH       | 121   | HL80.2            | 177   | HL137N     | 23    |
| HL062.1Safe             | 141   | HL15.1          | 25    | HL50WU.0       | 57    | HL64.1BP       | 123   | HL80.2H           | 1)*   | HL137N.1   | 24    |
| HL066C.1E               | 68,   | HL15U           | 14    | HL51           | 30    | HL64.1F        | 122   | HL80.3            | 126   | HL137N-BV  | 23    |
|                         | 188   | HL15U-90        | 14    | HL53.0         | 62    | HL64.1FSafe    | 140   | HL80.3H           | 126   | HL137N-WM  | 24    |
| HL066Q.1E               | 68,   | HL16            | 31    | HL53PrBlue.0   | 62    | HL64.1H        | 120   | HL81G             | 151   | HL138N     | 87    |
|                         | 188   | HL16.1          | 42    | HL53FPrBlue.0  | 62    | HL64.1HSafe    | 139   | HL81.1G           | 1)*   | HL138NH    | 87    |
| HL068.1E                | 165   | HL17            | 81    | HL53Duo.0      | 63    | HL64.1P        | 122   | HL81GH            | 151   | HL150      | 158   |
|                         | 165   | HL18            | 81    | HL53V.0        | 63    | HL64.1PSafe    | 140   | HL81.1GH          | 1)*   | HL151      | 158   |
| HL068.1Safe             | 165   | HL19(0)(2)(C)   | 82    | HL54F          | 1)*   | HL64.1Safe     | 139   | HL82              | 159   | HL152      | 158   |
| HL080.8E                | 158   | HL19T(2)        | 25    | HL54W          | 1)*   | HL65           | 127,  | HL83              | 208   | HL153      | 158   |
| HL0317.4E               | 106   | HL20            | 85    | HL54I          | 1)*   |                | 212   | HL83.H            | 209   | HL154      | 1)*   |
| HL0530.G/<br>B/C/S/W    | 1)*   | HL21            | 85    | HL62           | 116   | HL65F          | 127,  | HL83.M            | 207   | HL155      | 159   |
|                         |       | HL22            | 14    | HL62B          | 117   |                | 213   | HL83.P            | 210   | HL156      | 159   |
| HL0530.GG/ BG/<br>SG/WG | 1)*   | HL23            | 15    | HL62BF         | 119   | HL65H          | 127,  | HL83.PP           | 210   | HL157      | 158   |
|                         |       | HL24            | 15    | HL62BH         | 117   |                | 213   | HL83.0            | 206   | HL160      | 129   |
| HL0531Prblue D          | 67    | HL24U           | 15    | HL62BP         | 119   | HL65P          | 127,  | HL84              | 208   | HL161      | 129   |
| HL0531Prblue I          | 67    | HL25U           | 16    | HL62F          | 118   |                | 213   | HL84.0            | 206   | HL163      | 165   |
| HL0531Prblue S          | 67    | HL26            | 16    | HL62FSafe      | 137   | HL65PE         | 127,  | HL84.CU           | 210   | HL163.1    | 166   |
| HL0540I                 | 68,   | HL27            | 16    | HL62H          | 116   |                | 213   | HL84.E            | 210   | HL163Safe  | 166   |
|                         | 188   | HL28            | 17    | HL62HSafe      | 137   | HL66(Q)        | 197   | HL84.H            | 209   | HL164      | 166   |
| HL0541I                 | 69,   | HL30            | 264   | HL62P          | 118   | HL66P          | 1)*   | HL84.L            | 210   | HL170      | 1)*   |
|                         | 189   | HL34            | 25    | HL62PSafe      | 138   | HL66.1         | 197   | HL84.M            | 207   | HL175      | 129   |
| HL0542.1E               | 70    | HL35            | 1)*   | HL62Safe       | 137   | HL66.3(4)      | 198   | HL85N             | 212   | HL180      | 159   |
|                         | 70    | HL35.0          | 1)*   | HL62.1         | 116   | HL66.8(9)      | 1)*   | HL85NH            | 213   | HL181      | 159   |
| HL0635N.2               | 128   | HL36N           | 1)*   | HL62.1Safe     | 137   | HL67           | 1)*   | HL86              | 208   | HL190      | 229   |
| HL0635N.3               | 128   | HL37(F)Prblue   | 193   | HL62.1B        | 117   | HL68H.0        | 163   | HL86.0            | 206   | HL191      | 229   |
| HL0710E.X               | 237   | HL37N           | 193   | HL62.1BF       | 119   | HL68F.0        | 163   | HL86.H            | 209   | HL195      | 229   |
| HL0715E.X               | 237   | HL37NP          | 194   | HL62.1BH       | 117   | HL68P.0        | 163   | HL86.M            | 207   | HL200      | 90    |
| HL03910.3E              | 198   | HL37Prblue      | 193   | HL62.1F        | 118   | HL69           | 125   | HL90              | 151   | HL201      | 90    |
| HL2                     | 80    | HL37PPrblue     | 195   | HL62.1FSafe    | 138   | HL69H          | 125   | HL90.2            | 152   | HL202      | 91    |
|                         | 80    | HL37N.1         | 193   | HL62.1H        | 116   | HL69P          | 126   | HL90KH            | 152   | HL202G     | 91    |
| HL2.0                   | 81    | HL37NP.1        | 195   | HL62.1HSafe    | 137   | HL70           | 239   | HL90Prblue        | 186   | HL203      | 91    |
| HL2.1                   | 81    | HL38N           | 195   | HL62.1BP       | 119   | HL70G          | 239   | HL90Prblue-D      | 187   | HL203/90   | 91    |
| HL2.2                   | 81    | HL38N.1         | 195   | HL62.1P        | 118   | HL71           | 239   | HL90Prblue-3000   | 186   | HL204      | 91    |
| HL3                     | 11    | HL38Prblue      | 195   | HL62.1PSafe    | 138   | HL71G          | 239   | HL90Prblue-D-3000 | 187   | HL205      | 92    |
| HL4                     | 242   | HL38P           | 195   | HL64           | 120   | HL71.1         | 240   | HL90Prblue-3020   | 187   | HL209      | 92    |
| HL4/7                   | 242   | HL39            | 1)*   | HL64B          | 121   | HL72           | 240   | HL92              | 1)*   | HL210      | 92    |
| HL5                     | 263   | HL39Prblue      | 1)*   | HL64BF         | 123   | HL72N          | 240   | HL98              | 263   | HL210P     | 92    |
| HL6                     | 11    | HL39.1          | 1)*   | HL64BH         | 121   | HL72.1         | 192   | HL98SML           | 263   | HL210.7    | 92    |
| HL7EL                   | 94    | HL39G           | 196   | HL64BP         | 123   | HL72.1H        | 192   | HL100             | 9     | HL222      | 93    |
| HL7.WE                  | 94    | HL39.1G         | 1)*   | HL64F          | 122   | HL72.1HN       | 192   | HL100G            | 9     | HL224      | 93    |
| HL8EL                   | 11    | HL39PrblueG     | 1)*   | HL64FPower     | 124   | HL72.1N        | 192   | HL126             | 10    | HL224.1    | 93    |
| HL9                     | 262   | HL40            | 264   | HL64FPowersafe | 141   | HL73(Pr)(0)(2) | 241   | HL126.2           | 10    | HL225/90   | 93    |
| HL9ET                   | 262   | HL41            | 264   | HL64FSafe      | 140   | HL77           | 241   | HL130             | 96    | HL225.1/90 | 94    |
| HL10                    | 11    | HL42            | 264   | HL64H          | 120   | HL77.1         | 242   | HL132             | 21    | HL226      | 1)*   |
|                         |       |                 |       | HL64HPower     | 124   |                |       | HL132.1           | 21    | HL227      | 1)*   |
|                         |       |                 |       | HL64HPowersafe | 141   |                |       | HL133             | 21    | HL300      | 178   |

1)\* Produkt glej na [www.hl.at](http://www.hl.at)

# Kazalo

| Artikel          | Stran | Artikel           | Stran | Artikel       | Stran | Artikel          | Stran | Artikel             | Stran | Artikel    | Stran |
|------------------|-------|-------------------|-------|---------------|-------|------------------|-------|---------------------|-------|------------|-------|
| HL300G           | 1)*   | HL500             | 31    |               | 68,   | HL615L           | 224   | HL715.2EPC          | 238   |            | 69,   |
| HL300R           | 1)*   | HL500N            | 31    | HL540-Cut     | 188   | HL615LW          | 224   | HL720               | 236   | HL3123     | 189,  |
| HL303K           | 178   | HL510N            | 184   |               | 68,   | HL615S           | 224   | HL720.0             | 236   |            | 199   |
| HL304            | 179   | HL510N-3000       | 184   | HL540-Hamam   | 188   | HL615SW          | 224   | HL720.1             | 236   |            | 69,   |
| HL306            | 1)*   | HL510N-3020       | 184   |               | 69,   | HL615W           | 224   | HL720.2             | 237   | HL3124     | 189,  |
| HL307            | 1)*   | HL510Prblue-3020  | 184   | HL541(I)      | 189   | HL615.1          | 224   | HL800               | 255   |            | 199   |
| HL307.0          | 1)*   | HL510N-3120       | 1)*   |               | 70,   | HL615.1H         | 225   | HL800.2             | 255   |            | 69,   |
| HL308            | 1)*   | HL510N-3121       | 1)*   | HL542Prblue   | 190   | HL615.1HW        | 225   | HL801               | 256   | HL3125     | 189,  |
| HL310N           | 179   | HL510N-3123       | 1)*   |               | 70,   | HL615.1W         | 224   | HL801B              | 257   |            | 199   |
| HL310N-3000      | 179   | HL510N-3124       | 1)*   | HL542Prblue.0 | 190   | HL616            | 226   | HL801R              | 257   |            | 69,   |
| HL310N-3020      | 180   | HL510N-3125       | 1)*   |               | 190   | HL616H           | 227   | HL801V              | 257   |            | 199   |
| HL310N-3120      | 1)*   | HL510NG           | 185   | HL555N        | 29    | HL616HL          | 227   | HL804H              | 256   | HL3127     | 189,  |
| HL310N-3121      | 1)*   | HL510KH           | 1)*   | HL555N.0      | 29    | HL616HLW         | 227   | HL805               | 265   |            | 199   |
| HL310N-3123      | 1)*   | HL510Prblue       | 185   | HL555N.1      | 29    | HL616HS          | 227   | HL807               | 265   |            | 68,   |
| HL310N-3124      | 1)*   | HL510Prblue-3000  | 185   | HL555N.2      | 29    | HL616HSW         | 227   | HL810               | 265   | HL3128E    | 188   |
| HL310N-3125      | 1)*   | HL510Prblue-3120  | 1)*   | HL555N.3      | 29    | HL616HW          | 227   | HL840               | 261   |            | 1)*   |
| HL310NG          | 180   | HL510Prblue-3121  | 1)*   | HL555N.4      | 29    | HL616L           | 226   | HL870               | 261   | HL3210     | 211   |
| HL310KH          | 153   | HL510Prblue-3123  | 1)*   | HL555N.L.0    | 29    | HL616LW          | 226   | HL900N              | 102   | HL3400     | 196   |
| HL310Prblue      | 181   | HL510Prblue-3124  | 1)*   | HL560N        | 30    | HL616S           | 226   | HL900NECO           | 102   | HL3910     | 196   |
| HL310Prblue-3000 | 181   | HL510Prblue-3125  | 1)*   | HL560N.L      | 30    | HL616SW          | 226   | HL901               | 102   | HL3910.1   | 196   |
| HL310Prblue-3020 | 180   | HL510PrblueG      | 186   | HL570         | 38    | HL616W           | 226   | HL902               | 106   | HL3910G(V) | 197   |
| HL310Prblue-3120 | 1)*   | HL510PrblueR      | 186   | HL570.0       | 38    | HL616.1          | 226   | HL902T              | 103   | HL3910Pr   | 196   |
| HL310Prblue-3121 | 1)*   | HL510NR           | 185   | HL570.0-Plan  | 38    | HL616.1H         | 227   | HL903               | 103   | HL3911     | 196   |
| HL310Prblue-3123 | 1)*   | HL511N            | 40    | HL600N        | 248   | HL616.1HW        | 227   | HL904               | 102   |            | 68,   |
| HL310Prblue-3124 | 1)*   | HL513/S           | 41    | HL600NG       | 248   | HL616.1W         | 226   | HL904T              | 103   | HL3928     | 188,  |
| HL310Prblue-3125 | 1)*   | HL513/S(.0)       | 41    | HL600NHO      | 249   | HL618            | 212   | HL905N(.0)          | 104   |            | 197   |
| HL310PrblueG     | 181   | HL513-100G/50     | 1)*   | HL600NGHO     | 249   | HL618H           | 213   | HL905.1(.2)(.3)(.4) | 105   |            | 23,   |
| HL310PrblueR     | 181   | HL514             | 41    | HL601i        | 248   |                  | 159,  | HL905.1V (2V)       | 105   | HL4000.0   | 76    |
| HL310NR          | 180   | HL514/S.1         | 40    | HL603         | 129   | HL619            | 230   | HL990               | 106   |            | 76    |
| HL310N.2         | 153   | HL514/S.2         | 40    | HL605         | 222   | HL620            | 211   | HL3000              | 193   | HL4000.1   | 76    |
| HL317            | 183   | HL514/S.3         | 40    | HL605L        | 222   | HL621            | 228   | HL3000.1            | 194   | HL4000.2   | 76    |
| HL317H           | 183   | HL514/S.11        | 40    | HL605LW       | 222   | HL622            | 228   | HL3011              | 193   | HL4000.3   | 23    |
| HL317KHN         | 1)*   | HL514/SN          | 40    | HL605S        | 222   | HL622/S          | 228   | HL3000(F)Prblue     | 194   | HL5100     | 191   |
| HL317KN          | 1)*   | HL514/SN.0        | 40    | HL605SW       | 222   | HL623            | 228   | HL3020              | 194   | HL5100T    | 154   |
| HL320            | 211   | HL515             | 42    | HL605W        | 222   | HL624            | 229   | HL3100              | 182   | HL5100TG   | 155   |
| HL340N           | 211   | HL515/S           | 42    | HL605.1       | 222   | HL624V           | 229   | HL3100Pr            | 182   | HL5100TH   | 154   |
| HL350            | 211   | HL517             | 42    | HL605.1W      | 222   | HL635N           | 128   | HL3100T             | 156   | HL5100THG  | 155   |
| HL350.1(.0)      | 212   | HL520             | 1)*   | HL606         | 223   | HL635N.0(.2)(.3) | 128   | HL3100TG            | 157   | HL5100Pr   | 191   |
| HL350.1H         | 213   | HL520F            | 39    | HL606L        | 223   | HL636N           | 128   | HL3100TH            | 156   | HL6100     | 266   |
| HL350.2          | 1)*   | HL521             | 39    | HL606LW       | 223   | HL703            | 94    | HL3100THG           | 157   | HL6200     | 266   |
| HL400            | 75    | HL522.1(2)(3)(11) | 39    | HL606S        | 223   | HL710            | 236   | HL3110              | 198   | HL6300     | 266   |
| HL404            | 75    | HL522V            | 1)*   | HL606SW       | 223   | HL710.0          | 236   |                     | 69,   | HL6600     | 266   |
| HL404.1          | 75    | HL522V.0          | 1)*   | HL606W        | 223   | HL710.1          | 236   | HL3120              | 189,  | HL6600.2   | 267   |
| HL405            | 77    | HL523N            | 1)*   | HL606.1       | 223   | HL710.2          | 237   |                     | 199   | HL6700     | 266   |
| HL405B           | 82    | HL524             | 1)*   | HL606.1W      | 223   | HL710.1V         | 238   |                     | 69,   | HL6800     | 267   |
| HL405E           | 77    | HL525             | 42    | HL608(1)      | 1)*   | HL710.2EPC       | 238   | HL3121              | 189,  | HL8300     | 208   |
| HL405ECO         | 78    | HL526             | 42    | HL609         | 230   | HL712            | 236   |                     | 199   | HL8300.0   | 206   |
| HL406            | 78    | HL531Prblue       | 66    | HL610         | 1)*   | HL712.0          | 236   |                     | 69,   | HL8300.H   | 209   |
| HL406.2          | 79    | HL531U            | 1)*   | HL615         | 224   | HL712.1          | 236   | HL3122              | 189,  | HL8300.M   | 207   |
| HL406E           | 79    | HL531V            | 66    | HL615H        | 225   | HL712.2          | 237   |                     | 199   | HL8300.P   | 210   |
| HL410            | 80    |                   | 68,   | HL615HL       | 225   | HL712.2EPC       | 238   |                     |       | HL8300.PP  | 210   |
| HL420            | 82    | HL540(I)          | 188   | HL615HLW      | 225   | HL715            | 236   |                     |       | HL8500     | 212   |
| HL421            | 82    |                   | 68,   | HL615HS       | 225   | HL715.0          | 236   |                     |       | HL8500H    | 213   |
| HL430            | 97    | HL540-Quadra      | 188   | HL615HSW      | 225   | HL715.1          | 236   |                     |       |            |       |
| HL431            | 97    |                   |       | HL615HW       | 225   | HL715.2          | 237   |                     |       |            |       |
| HL440            | 80    |                   |       |               |       |                  |       |                     |       |            |       |

1)\* Produkt glej na [www.hl.at](http://www.hl.at)