ACCESSORIES
PAG. 603

# SM12
## 12" SUBMERSIBLE PUMPS



**Applications**
Multistage mixed-flow bore-hole electric pumps for wells with a diameter of 12" or greater capable of developing a wide range of flows and heads. These pumps can be used in a wide range of lifting, distributing and pressuring applications in civili and industrial supplies, autoclaves and tanks, fire-fighting and washing installations and irrigation systems. Pumped liquid: Clean water without solid or abrasive particles.
**Max. quantity of sand:** 50g/m$^3$
**Maximum water temperature:** refers to the maximum temperature that the motor can tolerate.
**Construction features of pump**
Mixed-flow pumps with external in cast-iron, impellers in bronze. The impellers are dynamically balanced and splined to the shaft with key drive. The shaft is driven by coaxial bearing bushes and fully protected by sleeves to ease disassembling. The pumps are provided with a built-in non returne valve, threaded, and low friction losses. Delivery outlet flanged and threaded. Coupling with 6" or 8" motor depending on the power requested by hydraulic part
**TR6:** 6" rewindable submersible motors.
**TR8**: 8" rewindable submersible motors
**TR10**: 10" rewindable submersible motors
**TR12**: 12" rewindable submersible motors
**For inverter application refer to the motor specification**
**On request:**
**- Pump body:** Stainless steel microcasted AISI 316 for aggressive water application
**- Impellers:** bronze.
**- Version without Non-returne valve for horizontal application.**
- Non-standard pump/motor coupling

## TECHNICAL DATA - SM12E Direct Starting

MOTOR DETAIL : TR6 pag. 595 / TR8 pag. 597
TR10 pag. 599 / TR12 pag. 601

| MODEL | HYDRAULIC PART CODE | MOTOR CODE | ELECTRICAL DATA | | | HYDRAULIC DATA | | | | | | | | | | | DNM mm | WEIGHT KG | H mm | Operating by inverter | Horizontal instal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | P2 NOMINAL | | In | Q=m$^3$h | 0 | 140 | 160 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | | | |
| | | | kW | HP | 400 V (A) | Q=l/min | 0 | 2333 | 2667 | 3333 | 3667 | 4000 | 4333 | 4667 | 5000 | 5333 | | | | | |
| SM12E1F + TR8 30 KW | 60149375 | 60144580 | 30,0 | 40 | 61 | | 44 | 33 | 31 | 27 | 25 | 23 | 20 | 16 | 11 | | 175 | 241 | 1891 | o | ● |
| SM12E1A + TR8 30 KW | 60149376 | 60144580 | 30,0 | 40 | 61 | | 48 | 37 | 35 | 32 | 30 | 28 | 25 | 22 | 18 | 13 | 175 | 249 | 1931 | o | ● |
| SM12E2L + TR8 37 KW | 60149377 | 60144581 | 37,0 | 50 | 75 | | 78 | 55 | 53 | 45 | 41 | 35 | 29 | 22 | | | 175 | 298 | 2221 | o | ● |
| SM12E2F + TR8 45 KW | 60149378 | 60144582 | 45,0 | 60 | 92 | | 88 | 66 | 63 | 55 | 51 | 46 | 40 | 32 | 23 | | 175 | 319 | 2331 | o | ● |
| SM12E2A + TR8 55 KW | 60149379 | 60144583 | 55,0 | 75 | 109 | | 97 | 74 | 71 | 64 | 61 | 56 | 51 | 44 | 36 | 27 | 175 | 334 | 2411 | o | ● |
| SM12E3F + TR8 63 KW | 60149380 | 60144584 | 63,0 | 85 | 126 | | 135 | 101 | 96 | 85 | 78 | 70 | 61 | 50 | 35 | | 175 | 387 | 2731 | o | ● |
| SM12E3D + TR8 75 KW | 60149381 | 60144585 | 75,0 | 100 | 145 | | 140 | 106 | 102 | 92 | 85 | 78 | 69 | 59 | 45 | 29 | 175 | 406 | 2831 | o | ● |
| SM12E3A + TR8 92 KW | 60149382 | 60144586 | 92 | 125 | 177 | | 148 | 113 | 109 | 98 | 93 | 86 | 78 | 67 | 55 | 42 | 175 | 452 | 3071 | o | ● |
| SM12E4D + TR8 92 KW | 60149383 | 60144586 | 92 | 125 | 177 | | 187 | 142 | 136 | 122 | 113 | 104 | 92 | 79 | 60 | 39 | 175 | 479 | 3251 | o | ● |
| SM12E4A + TR8 110 KW | 60149384 | 60144587 | 110 | 150 | 213 | H | 197 | 151 | 145 | 131 | 124 | 114 | 103 | 89 | 73 | 55 | 175 | 529 | 3481 | o | o |
| SM12E5D + TR8 110 KW | 60149385 | 60144587 | 110 | 150 | 213 | (mt) | 234 | 177 | 170 | 153 | 142 | 130 | 116 | 99 | 75 | 49 | 175 | 556 | 3661 | o | o |
| SM12E5A + TR10 132 KW | 60149386 | 60146795 | 132 | 180 | 257 | | 247 | 189 | 182 | 164 | 155 | 143 | 129 | 111 | 92 | 69 | 175 | 663 | 3471 | o | ● |
| SM12E6D + TR10 147 KW | 60149387 | 60146796 | 147 | 200 | 300 | | 281 | 213 | 204 | 183 | 170 | 156 | 139 | 118 | 90 | 59 | 175 | 755 | 3851 | o | ● |
| SM12E7F + TR10 147 KW | 60149388 | 60146796 | 147 | 200 | 300 | | 315 | 236 | 223 | 197 | 182 | 163 | 141 | 116 | 81 | | 175 | 782 | 4031 | o | ● |
| SM12E7D + TR10 170 KW | 60149389 | 60146843 | 170 | 230 | 348 | | 327 | 248 | 238 | 214 | 198 | 182 | 162 | 138 | 105 | 69 | 175 | 822 | 4181 | o | ● |
| SM12E8F + TR10 170 KW | 60149394 | 60146843 | 170 | 230 | 348 | | 360 | 270 | 255 | 226 | 208 | 186 | 162 | 132 | 92 | | 175 | 849 | 4361 | ● | ● |
| SM12E8D + TR10 190 KW | 60149395 | 60146844 | 190 | 260 | 405 | | 374 | 284 | 272 | 244 | 226 | 208 | 185 | 158 | 120 | 78 | 175 | 889 | 4541 | ● | o |
| SM12E8A + TR12 220 KW | 60149396 | 60146900 | 220 | 300 | 424 | | 394 | 302 | 290 | 262 | 247 | 229 | 206 | 178 | 146 | 111 | 175 | 1019 | 4277 | ● | o |
| SM12E9A + TR12 250 KW | 60149397 | 60146901 | 250 | 340 | 481 | | 444 | 340 | 327 | 295 | 278 | 257 | 232 | 200 | 165 | 125 | 175 | 1121 | 4627 | ● | o |

● allowed
o on demand

## TECHNICAL DATA - SM12E hydraulic part

| MODEL | HYDRAULIC PART CODE | ELECTRICAL DATA | | HYDRAULIC DATA | | | | | | | | | | | DNM mm | WEIGHT KG | H mm | MOTOR COUPLING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P2 NOM. RICHIESTA | | Q=m$^3$h | 0 | 140 | 160 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | | | | |
| | | kW | HP | Q=l/min | 0 | 2333 | 2667 | 3333 | 3667 | 4000 | 4333 | 4667 | 5000 | 5333 | | | | |
| SM12E1F | 60149375 | 22 | 30 | | 44 | 33 | 31 | 27 | 25 | 23 | 20 | 16 | 11 | | 175 | 115 | 881 | 8" |
| SM12E1A | 60149376 | 26 | 35 | | 48 | 37 | 35 | 32 | 30 | 28 | 25 | 22 | 18 | 13 | 175 | 115 | 881 | 8" |
| SM12E2L | 60149377 | 37 | 50 | | 78 | 55 | 53 | 45 | 41 | 35 | 29 | 22 | | | 175 | 142 | 1061 | 8" |
| SM12E2F | 60149378 | 45 | 60 | | 88 | 66 | 63 | 55 | 51 | 46 | 40 | 32 | 23 | | 175 | 142 | 1061 | 8" |
| SM12E2A | 60149379 | 55 | 75 | | 97 | 74 | 71 | 64 | 61 | 56 | 51 | 44 | 36 | 27 | 175 | 142 | 1061 | 8" |
| SM12E3F | 60149380 | 63 | 85 | | 135 | 101 | 96 | 85 | 78 | 70 | 61 | 50 | 35 | | 175 | 169 | 1241 | 8" |
| SM12E3D | 60149381 | 75 | 100 | | 140 | 106 | 102 | 92 | 85 | 78 | 69 | 59 | 45 | 29 | 175 | 169 | 1241 | 8" |
| SM12E3A | 60149382 | 92 | 125 | | 148 | 113 | 109 | 98 | 93 | 86 | 78 | 67 | 55 | 42 | 175 | 169 | 1241 | 8" |
| SM12E4D | 60149383 | 92 | 125 | | 187 | 142 | 136 | 122 | 113 | 104 | 92 | 79 | 60 | 39 | 175 | 196 | 1421 | 8" |
| SM12E4A | 60149384 | 110 | 150 | H | 197 | 151 | 145 | 131 | 124 | 114 | 103 | 89 | 73 | 55 | 175 | 196 | 1421 | 8" |
| SM12E5D | 60149385 | 110 | 150 | (mt) | 234 | 177 | 170 | 153 | 142 | 130 | 116 | 99 | 75 | 49 | 175 | 223 | 1601 | 8" |
| SM12E5A | 60149386 | 132 | 180 | | 247 | 189 | 182 | 164 | 155 | 143 | 129 | 111 | 92 | 69 | 175 | 228 | 1601 | 10" |
| SM12E6D | 60149387 | 147 | 200 | | 281 | 213 | 204 | 183 | 170 | 156 | 139 | 118 | 90 | 59 | 175 | 255 | 1781 | 10" |
| SM12E7F | 60149388 | 147 | 200 | | 315 | 236 | 223 | 197 | 182 | 163 | 141 | 116 | 81 | | 175 | 282 | 1961 | 10" |
| SM12E7D | 60149389 | 170 | 230 | | 327 | 248 | 238 | 214 | 198 | 182 | 162 | 138 | 105 | 69 | 175 | 282 | 1961 | 10" |
| SM12E8F | 60149394 | 170 | 230 | | 360 | 270 | 255 | 226 | 208 | 186 | 162 | 132 | 92 | | 175 | 309 | 2141 | 10" |
| SM12E8D | 60149395 | 190 | 260 | | 374 | 284 | 272 | 244 | 226 | 208 | 185 | 158 | 120 | 78 | 175 | 309 | 2141 | 10" |
| SM12E8A | 60149396 | 220 | 300 | | 394 | 302 | 290 | 262 | 247 | 229 | 206 | 178 | 146 | 111 | 175 | 319 | 2167 | 12" |
| SM12E9A | 60149397 | 250 | 340 | | 444 | 340 | 327 | 295 | 278 | 257 | 232 | 200 | 165 | 125 | 175 | 346 | 2347 | 12" |



DAB PUMPS reserves the right to make modifications without notice

# TECHNICAL DATA - SM12G Direct Starting

MOTOR DETAIL : TR6 pag. 595 / TR8 pag. 597
TR10 pag. 599 / TR12 pag. 601

| MODEL | HYDRAULIC PART CODE | MOTOR CODE | ELECTRICAL DATA | | | HYDRAULIC DATA | | | | | | | | | | DNM mm | WEIGHT KG | H mm | Operating by inverter | Horizontal instal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | P2 NOMINAL | | In 400 V (A) | Q=m³h | 0 | 160 | 200 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | | | | | |
| | | | kW | HP | | Q=l/min | 0 | 2667 | 3333 | 4000 | 4333 | 4667 | 5000 | 5333 | 5667 | 6000 | | | | | |
| SM12G1G + TR8 30 KW | 60149398 | 60144580 | 30,0 | 40 | 61 | | 43 | 31 | 28 | 25 | 24 | 22 | 19 | 17 | 14 | | 175 | 241 | 1891 | o | ● |
| SM12G1F + TR8 30 KW | 60149420 | 60144580 | 30,0 | 40 | 61 | | 47 | 33 | 30 | 28 | 26 | 25 | 23 | 20 | 17 | 15,0 | 175 | 249 | 1931 | o | ● |
| SM12G1D + TR8 30 KW | 60149421 | 60144580 | 30,0 | 40 | 61 | | 49 | 36 | 33 | 30 | 29 | 27 | 25 | 23 | 20 | 17 | 175 | 261 | 1991 | o | ● |
| SM12G1A + TR8 37 KW | 60149422 | 60144581 | 37,0 | 50 | 75 | | 52 | 38 | 35 | 32 | 31 | 29 | 27 | 25 | 23 | 20 | 175 | 271 | 2041 | o | ● |
| SM12G2N + TR8 37 KW | 60149423 | 60144581 | 37,0 | 50 | 75 | | 74 | 52 | 47 | 41 | 37 | 32 | 27 | 21 | 15 | | 175 | 298 | 2221 | o | ● |
| SM12G2G + TR8 45 KW | 60149424 | 60144582 | 45,0 | 60 | 92 | | 87 | 62 | 57 | 51 | 48 | 44 | 39 | 34 | 28 | | 175 | 319 | 2331 | o | ● |
| SM12G2D + TR8 55 KW | 60149425 | 60144583 | 55,0 | 75 | 109 | | 100 | 72 | 66 | 61 | 58 | 55 | 51 | 46 | 41 | 35 | 175 | 334 | 2411 | o | ● |
| SM12G2A + TR8 63 KW | 60149426 | 60144584 | 63,0 | 85 | 126 | | 104 | 76 | 70 | 65 | 62 | 59 | 55 | 51 | 46 | 41 | 175 | 360 | 2551 | o | ● |
| SM12G3F + TR8 75 KW | 60149427 | 60144585 | 75,0 | 100 | 145 | | 145 | 103 | 94 | 87 | 82 | 76 | 70 | 63 | 54 | 45 | 175 | 406 | 2831 | o | ● |
| SM12G3A + TR8 92 KW | 60149428 | 60144586 | 92 | 125 | 177 | H (mt) | 160 | 116 | 107 | 99 | 95 | 90 | 85 | 78 | 71 | 63 | 175 | 452 | 3071 | o | ● |
| SM12G4D + TR8 110 KW | 60149429 | 60144587 | 110 | 150 | 213 | | 204 | 147 | 134 | 124 | 118 | 112 | 104 | 94 | 84 | 72 | 175 | 529 | 3481 | o | o |
| SM12G4A + TR10 132 KW | 60149430 | 60146795 | 132 | 180 | 257 | | 213 | 155 | 143 | 132 | 126 | 120 | 113 | 104 | 94 | 84 | 175 | 631 | 3291 | o | ● |
| SM12G6G + TR10 132 KW | 60149431 | 60146795 | 132 | 180 | 257 | | 268 | 191 | 174 | 157 | 147 | 134 | 120 | 104 | 87 | | 175 | 690 | 3651 | o | ● |
| SM12G6F + TR10 147 KW | 60149432 | 60146796 | 147 | 200 | 300 | | 291 | 206 | 187 | 174 | 164 | 152 | 140 | 126 | 108 | 90 | 175 | 755 | 3851 | o | ● |
| SM12G6D + TR10 170 KW | 60149433 | 60146843 | 170 | 230 | 348 | | 306 | 220 | 202 | 186 | 177 | 168 | 156 | 142 | 126 | 108 | 175 | 795 | 4001 | ● | ● |
| SM12G7D + TR10 190 KW | 60149435 | 60146844 | 190 | 260 | 405 | | 357 | 257 | 235 | 217 | 207 | 196 | 182 | 165 | 147 | 126 | 175 | 835 | 4181 | ● | o |
| SM12G7A + TR12 220 KW | 60149436 | 60146900 | 220 | 300 | 424 | | 372 | 272 | 251 | 231 | 221 | 210 | 197 | 182 | 165 | 147 | 175 | 862 | 4361 | ● | o |
| SM12G8A + TR12 250 KW | 60149437 | 60146901 | 250 | 340 | 481 | | 426 | 310 | 286 | 264 | 252 | 240 | 226 | 208 | 188 | 168 | 175 | 992 | 4097 | ● | o |

● allowed
o on demand

# TECHNICAL DATA - SM12G hydraulic part

| MODEL | HYDRAULIC PART CODE | ELECTRICAL DATA | | HYDRAULIC DATA | | | | | | | | | | | DNM mm | WEIGHT KG | H mm | MOTOR COUPLING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P2 NOMINAL REQUESTED | | Q=m³h | 0 | 160 | 200 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | | | | |
| | | kW | HP | Q=l/min | 0 | 2667 | 3333 | 4000 | 4333 | 4667 | 5000 | 5333 | 5667 | 6000 | | | | |
| SM12G1G | 60149398 | 22 | 30 | | 43 | 31 | 28 | 25 | 24 | 22 | 19 | 17 | 14 | | 175 | 115 | 881 | 8" |
| SM12G1F | 60149420 | 26 | 35 | | 47 | 33 | 30 | 28 | 26 | 25 | 23 | 20 | 17 | 15,0 | 175 | 115 | 881 | 8" |
| SM12G1D | 60149421 | 30 | 40 | | 49 | 36 | 33 | 30 | 29 | 27 | 25 | 23 | 20 | 17 | 175 | 115 | 881 | 8" |
| SM12G1A | 60149422 | 37 | 50 | | 52 | 38 | 35 | 32 | 31 | 29 | 27 | 25 | 23 | 20 | 175 | 115 | 881 | 8" |
| SM12G2N | 60149423 | 37 | 50 | | 74 | 52 | 47 | 41 | 37 | 32 | 27 | 21 | 15 | | 175 | 142 | 1061 | 8" |
| SM12G2G | 60149424 | 45 | 60 | | 87 | 62 | 57 | 51 | 48 | 44 | 39 | 34 | 28 | | 175 | 142 | 1061 | 8" |
| SM12G2D | 60149425 | 55 | 75 | | 100 | 72 | 66 | 61 | 58 | 55 | 51 | 46 | 41 | 35 | 175 | 142 | 1061 | 8" |
| SM12G2A | 60149426 | 63 | 85 | | 104 | 76 | 70 | 65 | 62 | 59 | 55 | 51 | 46 | 41 | 175 | 142 | 1061 | 8" |
| SM12G3F | 60149427 | 75 | 100 | | 145 | 103 | 94 | 87 | 82 | 76 | 70 | 63 | 54 | 45 | 175 | 169 | 1241 | 8" |
| SM12G3A | 60149428 | 92 | 125 | H (mt) | 160 | 116 | 107 | 99 | 95 | 90 | 85 | 78 | 71 | 63 | 175 | 169 | 1241 | 8" |
| SM12G4D | 60149429 | 110 | 150 | | 204 | 147 | 134 | 124 | 118 | 112 | 104 | 94 | 84 | 72 | 175 | 196 | 1421 | 10" |
| SM12G4A | 60149430 | 132 | 180 | | 213 | 155 | 143 | 132 | 126 | 120 | 113 | 104 | 94 | 84 | 175 | 196 | 1421 | 10" |
| SM12G6G | 60149431 | 132 | 180 | | 268 | 191 | 174 | 157 | 147 | 134 | 120 | 104 | 87 | | 175 | 255 | 1781 | 10" |
| SM12G6F | 60149432 | 147 | 200 | | 291 | 206 | 187 | 174 | 164 | 152 | 140 | 126 | 108 | 90 | 175 | 255 | 1781 | 10" |
| SM12G6D | 60149433 | 170 | 230 | | 306 | 220 | 202 | 186 | 177 | 168 | 156 | 142 | 126 | 108 | 175 | 255 | 1781 | 10" |
| SM12G7D | 60149435 | 190 | 260 | | 357 | 257 | 235 | 217 | 207 | 196 | 182 | 165 | 147 | 126 | 175 | 255 | 1781 | 10" |
| SM12G7A | 60149436 | 220 | 300 | | 372 | 272 | 251 | 231 | 221 | 210 | 197 | 182 | 165 | 147 | 175 | 282 | 1961 | 12" |
| SM12G8A | 60149437 | 250 | 340 | | 426 | 310 | 286 | 264 | 252 | 240 | 226 | 208 | 188 | 168 | 175 | 292 | 1987 | 12" |

# TECHNICAL DATA - SM12H Direct Starting

MOTOR DETAIL : TR6 pag. 595 / TR8 pag. 597
TR10 pag. 599 / TR12 pag. 601

| MODEL | HYDRAULIC PART CODE | MOTOR CODE | ELECTRICAL DATA | | | HYDRAULIC DATA | | | | | | | | | | DNM mm | WEIGHT KG | H mm | Operating by inverter | Horizontal instal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | P2 NOMINAL | | In 400 V (A) | Q=m³h | 0 | 200 | 250 | 300 | 320 | 340 | 360 | 380 | 400 | 420 | | | | | |
| | | | kW | HP | | Q=l/min | 0 | 3333 | 4167 | 5000 | 5333 | 5667 | 6000 | 6333 | 6667 | 7000 | | | | | |
| **SM12H1N + TR8 30 KW** | 60149438 | 60144580 | 30,0 | 40 | 61 | | 36 | 27 | 24 | 21 | 19 | 17 | 14 | 12 | 9 | | 175 | 249 | 1931 | O | ● |
| **SM12H1L + TR8 30 KW** | 60149439 | 60144580 | 30,0 | 40 | 61 | | 40 | 29 | 27 | 24 | 22 | 20 | 18 | 16 | 12 | | 175 | 261 | 1991 | O | ● |
| **SM12H1D + TR8 37 KW** | 60149445 | 60144581 | 37,0 | 50 | 75 | | 48 | 36 | 34 | 32 | 30 | 29 | 27 | 25 | 22 | | 175 | 271 | 2041 | O | ● |
| **SM12H1A + TR8 45 KW** | 60149446 | 60144582 | 45,0 | 60 | 92 | | 49 | 38 | 36 | 34 | 32 | 31 | 29 | 27 | 25 | 23 | 175 | 292 | 2151 | O | ● |
| **SM12H2N + TR8 55 KW** | 60149447 | 60144583 | 55,0 | 75 | 109 | | 73 | 54 | 49 | 43 | 39 | 34 | 29 | 23 | 17 | | 175 | 334 | 2411 | O | ● |
| **SM12H2F + TR8 63 KW** | 60149448 | 60144584 | 63,0 | 85 | 126 | | 92 | 69 | 65 | 59 | 57 | 53 | 49 | 45 | 40 | | 175 | 360 | 2551 | O | ● |
| **SM12H2D + TR8 75 KW** | 60149449 | 60144585 | 75,0 | 100 | 145 | | 96 | 74 | 69 | 64 | 62 | 58 | 55 | 50 | 45 | | 175 | 379 | 2651 | O | ● |
| **SM12H3N + TR8 75 KW** | 60149451 | 60144585 | 75,0 | 100 | 145 | | 112 | 83 | 75 | 66 | 59 | 52 | 45 | 36 | 27 | | 175 | 406 | 2831 | O | ● |
| **SM12H3G + TR8 92 KW** | 60149452 | 60144586 | 92 | 125 | 177 | | 132 | 99 | 92 | 83 | 78 | 72 | 65 | 58 | 50 | | 175 | 452 | 3071 | O | ● |
| **SM12H3D + TR8 110 KW** | 60149453 | 60144587 | 110 | 150 | 213 | | 147 | 113 | 106 | 99 | 94 | 89 | 84 | 77 | 69 | | 175 | 502 | 3301 | O | ● |
| **SM12H3A + TR10 132 KW** | 60149454 | 60146795 | 132 | 180 | 257 | | 151 | 118 | 111 | 104 | 101 | 96 | 91 | 84 | 78 | 70 | 175 | 609 | 3111 | O | ● |
| **SM12H4G + TR10 132 KW** | 60149455 | 60146795 | 132 | 180 | 257 | H (mt) | 176 | 131 | 122 | 110 | 104 | 96 | 87 | 77 | 66 | | 175 | 636 | 3291 | O | ● |
| **SM12H4F + TR10 132 KW** | 60149456 | 60146795 | 132 | 180 | 257 | | 188 | 141 | 132 | 121 | 115 | 108 | 101 | 92 | 82 | | 175 | 636 | 3291 | O | ● |
| **SM12H4D + TR10 147 KW** | 60149457 | 60146796 | 147 | 200 | 300 | | 196 | 150 | 141 | 131 | 126 | 119 | 112 | 102 | 92 | | 175 | 701 | 3491 | O | ● |
| **SM12H5G + TR10 147 KW** | 60149458 | 60146796 | 147 | 200 | 300 | | 220 | 164 | 153 | 138 | 130 | 120 | 109 | 97 | 83 | | 175 | 728 | 3671 | O | ● |
| **SM12H5F + TR10 170 KW** | 60149459 | 60146843 | 170 | 230 | 348 | | 235 | 177 | 165 | 152 | 144 | 135 | 126 | 115 | 102 | | 175 | 768 | 3821 | ● | ● |
| **SM12H5D + TR10 190 KW** | 60149460 | 60146844 | 190 | 260 | 405 | | 245 | 188 | 176 | 164 | 157 | 149 | 140 | 128 | 116 | | 175 | 808 | 4001 | ● | O |
| **SM12H5A + TR10 190 KW** | 60149461 | 60146844 | 190 | 260 | 405 | | 252 | 197 | 185 | 174 | 168 | 160 | 152 | 141 | 130 | 116 | 175 | 808 | 4001 | ● | O |
| **SM12H6F + TR10 190 KW** | 60149462 | 60146844 | 190 | 260 | 405 | | 282 | 212 | 198 | 182 | 173 | 162 | 151 | 138 | 122 | | 175 | 835 | 4181 | ● | O |
| **SM12H6D + TR12 220 KW** | 60149463 | 60146900 | 220 | 300 | 424 | | 294 | 225 | 211 | 197 | 188 | 179 | 167 | 153 | 139 | | 175 | 965 | 3917 | ● | O |
| **SM12H6A + TR12 250 KW** | 60149464 | 60146901 | 250 | 340 | 481 | | 302 | 236 | 222 | 209 | 201 | 192 | 182 | 169 | 155 | 139 | 175 | 1040 | 4087 | ● | O |
| **SM12H7D + TR12 250 KW** | 60149465 | 60146901 | 250 | 340 | 481 | | 343 | 263 | 246 | 230 | 220 | 209 | 195 | 179 | 162 | | 175 | 1067 | 4267 | ● | O |
| **SM12H8F + TR12 250 KW** | 60149468 | 60146901 | 250 | 340 | 481 | | 376 | 282 | 264 | 242 | 231 | 216 | 201 | 184 | 163 | | 175 | 1094 | 4447 | ● | O |

● allowed
o on demand

# TECHNICAL DATA - SM12H hydraulic part

| MODEL | HYDRAULIC PART CODE | ELECTRICAL DATA | | HYDRAULIC DATA | | | | | | | | | | | DNM mm | WEIGHT KG | H mm | MOTOR COUPLING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P2 NOMINAL REQUESTED | | Q=m³h | 0 | 200 | 250 | 300 | 320 | 340 | 360 | 380 | 400 | 420 | | | | |
| | | kW | HP | Q=l/min | 0 | 3333 | 4167 | 5000 | 5333 | 5667 | 6000 | 6333 | 6667 | 7000 | | | | |
| **SM12H1N** | 60149438 | 26 | 35 | | 36 | 27 | 24 | 21 | 19 | 17 | 14 | 12 | 9 | | 175 | 115 | 881 | 8" |
| **SM12H1L** | 60149439 | 30 | 40 | | 40 | 29 | 27 | 24 | 22 | 20 | 18 | 16 | 12 | | 175 | 115 | 881 | 8" |
| **SM12H1D** | 60149445 | 37 | 50 | | 48 | 36 | 34 | 32 | 30 | 29 | 27 | 25 | 22 | | 175 | 115 | 881 | 8" |
| **SM12H1A** | 60149446 | 45 | 60 | | 49 | 38 | 36 | 34 | 32 | 31 | 29 | 27 | 25 | 23 | 175 | 115 | 881 | 8" |
| **SM12H2N** | 60149447 | 55 | 75 | | 73 | 54 | 49 | 43 | 39 | 34 | 29 | 23 | 17 | | 175 | 142 | 1061 | 8" |
| **SM12H2F** | 60149448 | 63 | 85 | | 92 | 69 | 65 | 59 | 57 | 53 | 49 | 45 | 40 | | 175 | 142 | 1061 | 8" |
| **SM12H2D** | 60149449 | 75 | 100 | | 96 | 74 | 69 | 64 | 62 | 58 | 55 | 50 | 45 | | 175 | 142 | 1061 | 8" |
| **SM12H3N** | 60149451 | 75 | 100 | | 112 | 83 | 75 | 66 | 59 | 52 | 45 | 36 | 27 | | 175 | 169 | 1241 | 8" |
| **SM12H3G** | 60149452 | 92 | 125 | | 132 | 99 | 92 | 83 | 78 | 72 | 65 | 58 | 50 | | 175 | 169 | 1241 | 8" |
| **SM12H3D** | 60149453 | 110 | 150 | | 147 | 113 | 106 | 99 | 94 | 89 | 84 | 77 | 69 | | 175 | 169 | 1241 | 8" |
| **SM12H3A** | 60149454 | 132 | 180 | | 151 | 118 | 111 | 104 | 101 | 96 | 91 | 84 | 78 | 70 | 175 | 174 | 1241 | 10" |
| **SM12H4G** | 60149455 | 132 | 180 | H (mt) | 176 | 131 | 122 | 110 | 104 | 96 | 87 | 77 | 66 | | 175 | 201 | 1421 | 10" |
| **SM12H4F** | 60149456 | 132 | 180 | | 188 | 141 | 132 | 121 | 115 | 108 | 101 | 92 | 82 | | 175 | 201 | 1421 | 10" |
| **SM12H4D** | 60149457 | 147 | 200 | | 196 | 150 | 141 | 131 | 126 | 119 | 112 | 102 | 92 | | 175 | 201 | 1421 | 10" |
| **SM12H5G** | 60149458 | 147 | 200 | | 220 | 164 | 153 | 138 | 130 | 120 | 109 | 97 | 83 | | 175 | 228 | 1601 | 10" |
| **SM12H5F** | 60149459 | 170 | 230 | | 235 | 177 | 165 | 152 | 144 | 135 | 126 | 115 | 102 | | 175 | 228 | 1601 | 10" |
| **SM12H5D** | 60149460 | 190 | 260 | | 245 | 188 | 176 | 164 | 157 | 149 | 140 | 128 | 116 | | 175 | 228 | 1601 | 10" |
| **SM12H5A** | 60149461 | 190 | 260 | | 252 | 197 | 185 | 174 | 168 | 160 | 152 | 141 | 130 | 116 | 175 | 228 | 1601 | 10" |
| **SM12H6F** | 60149462 | 190 | 260 | | 282 | 212 | 198 | 182 | 173 | 162 | 151 | 138 | 122 | | 175 | 255 | 1781 | 10" |
| **SM12H6D** | 60149463 | 220 | 300 | | 294 | 225 | 211 | 197 | 188 | 179 | 167 | 153 | 139 | | 175 | 265 | 1807 | 12" |
| **SM12H6A** | 60149464 | 250 | 340 | | 302 | 236 | 222 | 209 | 201 | 192 | 182 | 169 | 155 | 139 | 175 | 265 | 1807 | 12" |
| **SM12H7D** | 60149465 | 250 | 340 | | 343 | 263 | 246 | 230 | 220 | 209 | 195 | 179 | 162 | | 175 | 292 | 1987 | 12" |
| **SM12H8F** | 60149468 | 250 | 340 | | 376 | 282 | 264 | 242 | 231 | 216 | 201 | 184 | 163 | | 175 | 319 | 2167 | 12" |



DAB PUMPS reserves the right to make modifications without notice

# TECHNICAL DATA - SM12L Direct Starting

MOTOR DETAIL : TR6 pag. 595 / TR8 pag. 597
TR10 pag. 599 / TR12 pag. 601

| MODEL | HYDRAULIC PART CODE | MOTOR CODE | ELECTRICAL DATA | | | HYDRAULIC DATA | | | | | | | | | | DNM mm | WEIGHT KG | H mm | Operating by inverter | Horizontal instal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | P2 NOMINAL | | In 400 V (A) | Q=m³h | 0 | 250 | 300 | 340 | 360 | 380 | 400 | 440 | 480 | 510 | | | | | |
| | | | kW | HP | | Q=l/min | 0 | 4167 | 5000 | 5667 | 6000 | 6333 | 6667 | 7333 | 8000 | 8500 | | | | | |
| **SM12L1L + TR8 37 KW** | 60149469 | 60144581 | 37,0 | 50 | 75 | | 40 | 30 | 28 | 26 | 25 | 23 | 22 | 17 | 13 | | 175 | 271 | 2041 | o | ● |
| **SM12L1F + TR8 45 KW** | 60149470 | 60144582 | 45,0 | 60 | 92 | | 47 | 35 | 33 | 32 | 31 | 30 | 29 | 26 | 21 | 16 | 175 | 292 | 2151 | o | ● |
| **SM12L1A + TR8 55 KW** | 60149471 | 60144583 | 55,0 | 75 | 109 | | 49 | 39 | 37 | 36 | 36 | 35 | 33 | 30 | 26 | 22 | 175 | 307 | 2231 | o | ● |
| **SM12L2N + TR8 63 KW** | 60149472 | 60144584 | 63,0 | 85 | 126 | | 74 | 56 | 51 | 47 | 45 | 42 | 39 | 30 | 19 | | 175 | 360 | 2551 | o | ● |
| **SM12L2L + TR8 75 KW** | 60149473 | 60144585 | 75,0 | 100 | 145 | | 81 | 61 | 57 | 53 | 50 | 47 | 44 | 35 | 26 | | 175 | 379 | 2651 | o | ● |
| **SM12L2F + TR8 92 KW** | 60149474 | 60144586 | 92 | 125 | 177 | | 95 | 71 | 67 | 64 | 63 | 61 | 58 | 52 | 42 | 33 | 175 | 425 | 2891 | o | ● |
| **SM12L2A + TR8 110 KW** | 60149475 | 60144587 | 110 | 150 | 213 | | 100 | 79 | 75 | 73 | 72 | 70 | 67 | 61 | 53 | 44 | 175 | 475 | 3121 | o | o |
| **SM12L3L + TR8 110 KW** | 60149476 | 60144587 | 110 | 150 | 213 | | 124 | 93 | 87 | 81 | 77 | 72 | 67 | 54 | 40 | | 175 | 502 | 3301 | o | o |
| **SM12L3G + TR10 132 KW** | 60149477 | 60146795 | 132 | 180 | 257 | | 134 | 101 | 95 | 89 | 85 | 81 | 78 | 67 | 54 | | 175 | 609 | 3111 | o | ● |
| **SM12L3F + TR10 132 KW** | 60149482 | 60146795 | 132 | 180 | 257 | H (mt) | 145 | 108 | 102 | 99 | 96 | 93 | 88 | 79 | 65 | 51 | 175 | 609 | 3111 | o | ● |
| **SM12L3D + TR10 147 KW** | 60149483 | 60146796 | 147 | 200 | 300 | | 149 | 115 | 109 | 104 | 101 | 98 | 95 | 87 | 73 | 60 | 175 | 674 | 3311 | o | ● |
| **SM12L3A + TR10 170 KW** | 60149484 | 60146843 | 170 | 230 | 348 | | 153 | 121 | 116 | 112 | 110 | 107 | 103 | 94 | 81 | 68 | 175 | 714 | 3461 | ● | ● |
| **SM12L4G + TR10 170 KW** | 60149485 | 60146843 | 170 | 230 | 348 | | 179 | 135 | 126 | 118 | 113 | 108 | 104 | 90 | 72 | | 175 | 741 | 3641 | ● | ● |
| **SM12L4F + TR10 170 KW** | 60149486 | 60146843 | 170 | 230 | 348 | | 193 | 144 | 136 | 132 | 128 | 124 | 118 | 106 | 86 | 68 | 175 | 741 | 3641 | ● | ● |
| **SM12L4D + TR10 190 KW** | 60149487 | 60146844 | 190 | 260 | 405 | | 199 | 154 | 145 | 138 | 134 | 130 | 126 | 116 | 97 | 80 | 175 | 781 | 3821 | ● | o |
| **SM12L5G + TR10 190 KW** | 60149488 | 60146844 | 190 | 260 | 405 | | 224 | 169 | 158 | 148 | 141 | 135 | 130 | 112 | 90 | | 175 | 808 | 4001 | ● | o |
| **SM12L5F + TR12 220 KW** | 60149489 | 60146900 | 220 | 300 | 424 | | 242 | 180 | 171 | 165 | 161 | 155 | 148 | 132 | 108 | 85 | 175 | 928 | 3711 | ● | o |
| **SM12L5D + TR12 250 KW** | 60149490 | 60146901 | 250 | 340 | 481 | | 249 | 192 | 182 | 173 | 168 | 163 | 158 | 145 | 121 | 100 | 175 | 1003 | 3881 | ● | o |
| **SM12L6F + TR12 250 KW** | 60149491 | 60146901 | 250 | 340 | 481 | | 290 | 216 | 205 | 197 | 192 | 186 | 177 | 158 | 130 | 102 | 175 | 1030 | 4061 | ● | o |

● allowed
o on demand

# TECHNICAL DATA - SM12L hydraulic part

| MODEL | HYDRAULIC PART CODE | ELECTRICAL DATA | | HYDRAULIC DATA | | | | | | | | | | | DNM mm | WEIGHT KG | H mm | MOTOR COUPLING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P2 NOMINAL REQUESTED | | Q=m³h | 0 | 250 | 300 | 340 | 360 | 380 | 400 | 440 | 480 | 510 | | | | |
| | | kW | HP | Q=l/min | 0 | 4167 | 5000 | 5667 | 6000 | 6333 | 6667 | 7333 | 8000 | 8500 | | | | |
| **SM12L1L** | 60149469 | 37 | 50 | | 40 | 30 | 28 | 26 | 25 | 23 | 22 | 17 | 13 | | 175 | 115 | 881 | 8" |
| **SM12L1F** | 60149470 | 45 | 60 | | 47 | 35 | 33 | 32 | 31 | 30 | 29 | 26 | 21 | 16 | 175 | 115 | 881 | 8" |
| **SM12L1A** | 60149471 | 55 | 75 | | 49 | 39 | 37 | 36 | 36 | 35 | 33 | 30 | 26 | 22 | 175 | 115 | 881 | 8" |
| **SM12L2N** | 60149472 | 63 | 85 | | 74 | 56 | 51 | 47 | 45 | 42 | 39 | 30 | 19 | | 175 | 142 | 1061 | 8" |
| **SM12L2L** | 60149473 | 75 | 100 | | 81 | 61 | 57 | 53 | 50 | 47 | 44 | 35 | 26 | | 175 | 142 | 1061 | 8" |
| **SM12L2F** | 60149474 | 92 | 125 | | 95 | 71 | 67 | 64 | 63 | 61 | 58 | 52 | 42 | 33 | 175 | 142 | 1061 | 8" |
| **SM12L2A** | 60149475 | 110 | 150 | | 100 | 79 | 75 | 73 | 72 | 70 | 67 | 61 | 53 | 44 | 175 | 142 | 1061 | 8" |
| **SM12L3L** | 60149476 | 110 | 150 | | 124 | 93 | 87 | 81 | 77 | 72 | 67 | 54 | 40 | | 175 | 169 | 1241 | 8" |
| **SM12L3G** | 60149477 | 132 | 180 | | 134 | 101 | 95 | 89 | 85 | 81 | 78 | 67 | 54 | | 175 | 174 | 1241 | 10" |
| **SM12L3F** | 60149482 | 132 | 180 | H (mt) | 145 | 108 | 102 | 99 | 96 | 93 | 88 | 79 | 65 | 51 | 175 | 174 | 1241 | 10" |
| **SM12L3D** | 60149483 | 147 | 200 | | 149 | 115 | 109 | 104 | 101 | 98 | 95 | 87 | 73 | 60 | 175 | 174 | 1241 | 10" |
| **SM12L3A** | 60149484 | 170 | 230 | | 153 | 121 | 116 | 112 | 110 | 107 | 103 | 94 | 81 | 68 | 175 | 174 | 1241 | 10" |
| **SM12L4G** | 60149485 | 170 | 230 | | 179 | 135 | 126 | 118 | 113 | 108 | 104 | 90 | 72 | | 175 | 201 | 1421 | 10" |
| **SM12L4F** | 60149486 | 170 | 230 | | 193 | 144 | 136 | 132 | 128 | 124 | 118 | 106 | 86 | 68 | 175 | 201 | 1421 | 10" |
| **SM12L4D** | 60149487 | 190 | 260 | | 199 | 154 | 145 | 138 | 134 | 130 | 126 | 116 | 97 | 80 | 175 | 201 | 1421 | 10" |
| **SM12L5G** | 60149488 | 190 | 260 | | 224 | 169 | 158 | 148 | 141 | 135 | 130 | 112 | 90 | | 175 | 228 | 1601 | 10" |
| **SM12L5F** | 60149489 | 220 | 300 | | 242 | 180 | 171 | 165 | 161 | 155 | 148 | 132 | 108 | 85 | 175 | 228 | 1601 | 12" |
| **SM12L5D** | 60149490 | 250 | 340 | | 249 | 192 | 182 | 173 | 168 | 163 | 158 | 145 | 121 | 100 | 175 | 228 | 1601 | 12" |
| **SM12L6F** | 60149491 | 250 | 340 | | 290 | 216 | 205 | 197 | 192 | 186 | 177 | 158 | 130 | 102 | 175 | 255 | 1781 | 12" |