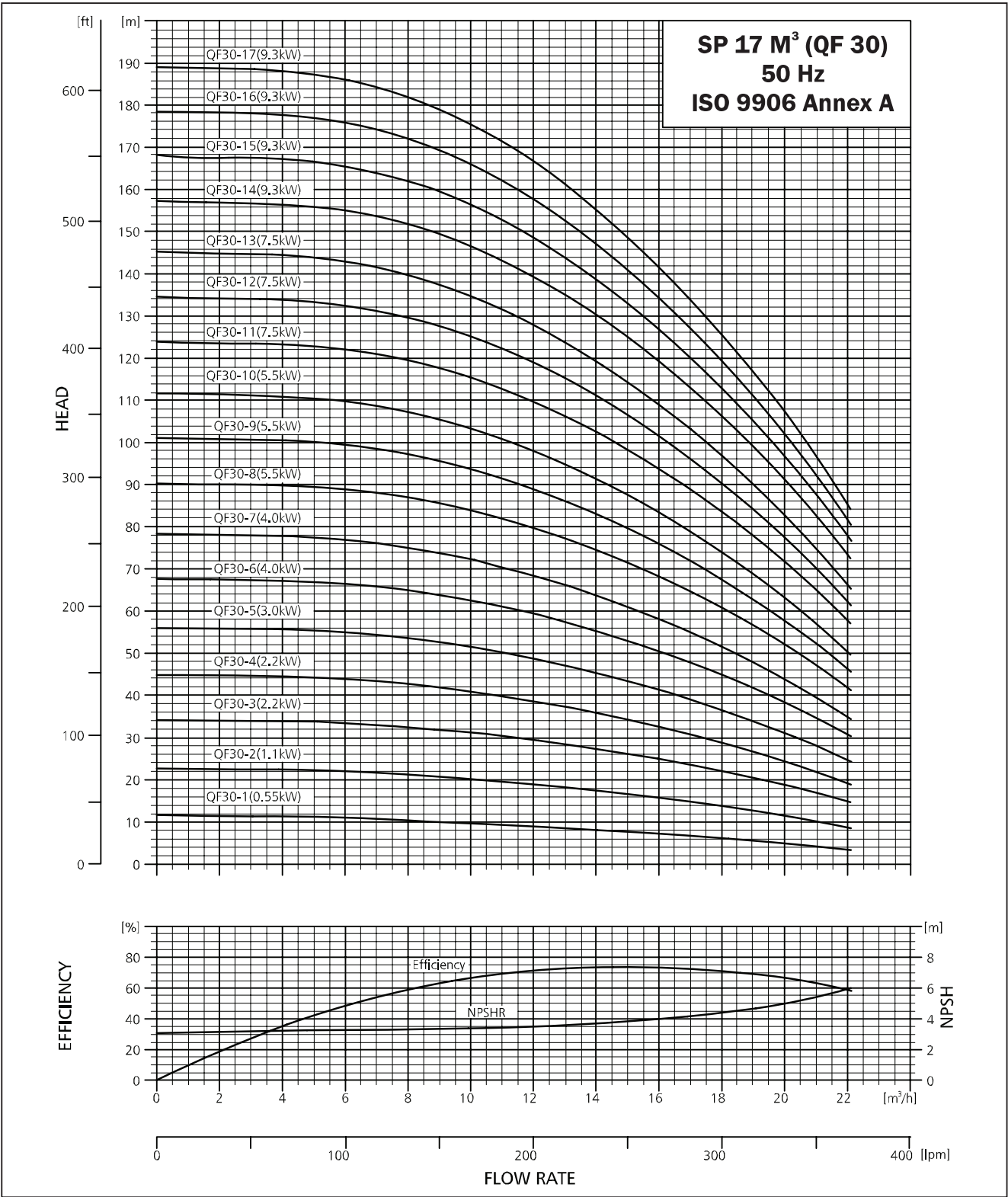


# PERFORMANCE CURVE

## SUBMERSIBLE PUMPS QF30

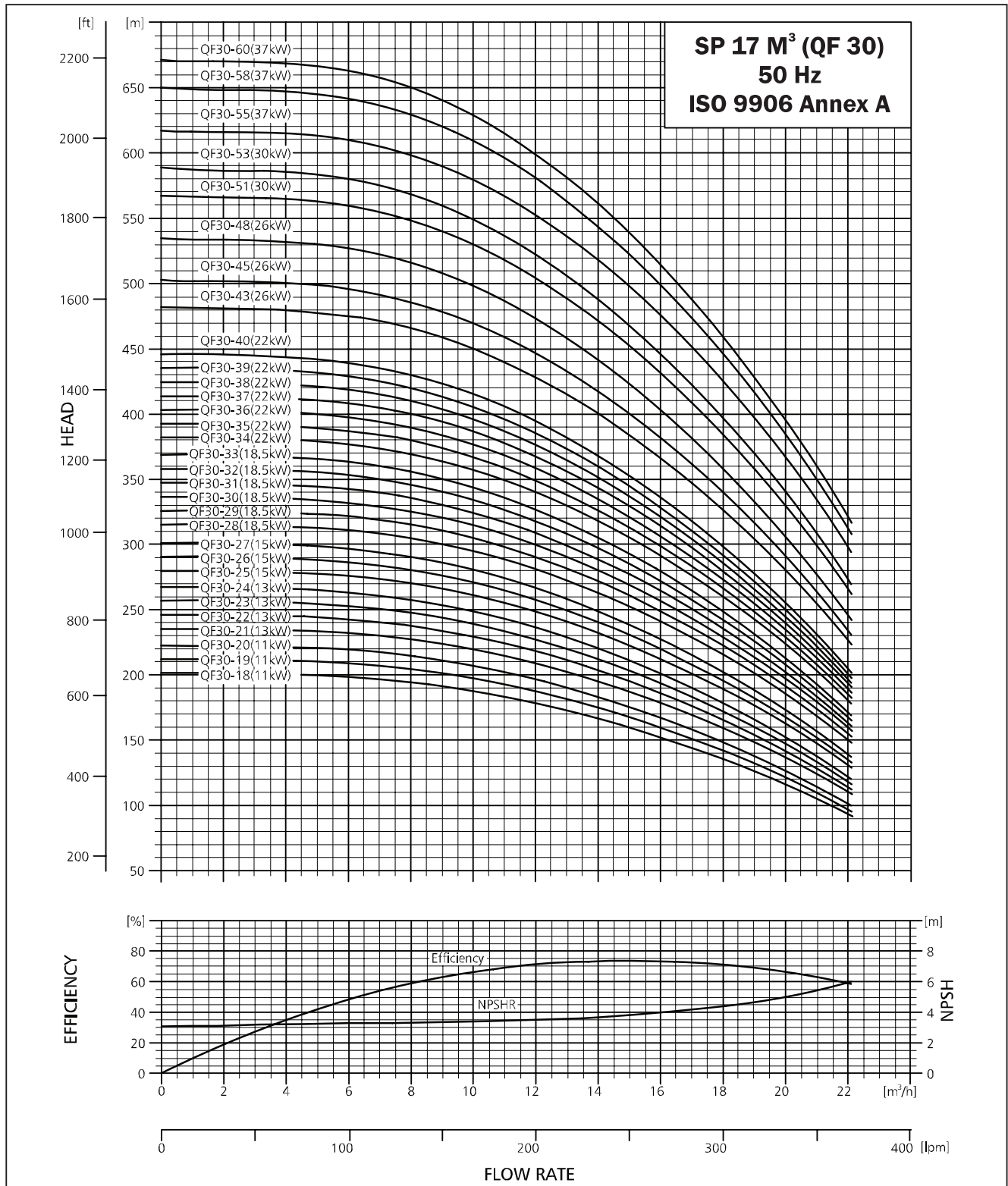


# PERFORMANCE CURVE



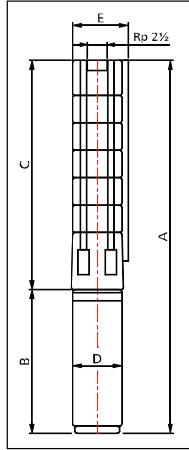
www.shaktipumps.com

## SUBMERSIBLE PUMPS QF30



# TECHNICAL DATA QF 30

## DIMENSIONS & WEIGHTS



E= Max dia of pump  
inclusive of cable guard & motor

QF 30 - 43 to QF 30 60  
are mounted in sleeve  
R 3" connection

## SUBMERSIBLE PUMPS QF30

| TECHNICAL DATA QF 30 |          |               |                 |        |                  |        |                  |     |     |     |                 |       |                  |
|----------------------|----------|---------------|-----------------|--------|------------------|--------|------------------|-----|-----|-----|-----------------|-------|------------------|
| PUMP<br>TYPE         | MOTOR    |               | DIMENSIONS (mm) |        |                  |        |                  |     |     |     | NET WEIGHT (KG) |       |                  |
|                      | TYPE     | POWER<br>(KW) | C               | B      |                  | A      |                  | D   | E*  | E** | PUMP            | MOTOR |                  |
|                      |          |               |                 | 1X230V | 3X220V<br>3X400V | 1X230V | 3X220V<br>3X400V |     |     |     |                 | 1X230 | 3X220V<br>3X400V |
| QF 30 - 1            | RO 100   | 0.55          | 318             | 352    | 352              | 670    | 670              | 95  | 131 | -   | 7               | 9     | 9                |
| QF 30 - 2            | RO 100   | 1.1           | 378             | 424    | 382              | 802    | 760              | 95  | 131 | -   | 9               | 12    | 10               |
| QF 30 - 3            | RO 101   | 2.2           | 439             | 585    | 480              | 1024   | 919              | 95  | 131 | -   | 10              | 20    | 16               |
| QF 30 - 4            | RO 101   | 2.2           | 499             | 585    | 480              | 1084   | 979              | 95  | 131 | -   | 11              | 20    | 16               |
| QF 30 - 5            | RO 101   | 3.0           | 560             | -      | 623              | -      | 1183             | 95  | 131 | -   | 12              | -     | 22               |
| QF 30 - 6            | RO 101   | 4.0           | 620             | -      | 623              | -      | 1243             | 95  | 131 | -   | 14              | -     | 22               |
| QF 30 - 7            | RO 101   | 4.0           | 681             | -      | 623              | -      | 1304             | 95  | 131 | -   | 15              | -     | 22               |
| QF 30 - 8            | RO 101   | 5.5           | 741             | -      | 737              | -      | 1478             | 95  | 131 | -   | 16              | -     | 27               |
| QF 30 - 9            | RO 101   | 5.5           | 802             | -      | 737              | -      | 1539             | 95  | 131 | -   | 17              | -     | 27               |
| QF 30 - 10           | RO 101   | 5.5           | 862             | -      | 737              | -      | 1599             | 95  | 131 | -   | 18              | -     | 27               |
| QF 30 - 11           | RO 101   | 7.5           | 923             | -      | 814              | -      | 1737             | 95  | 131 | -   | 20              | -     | 32               |
| QF 30 - 12           | RO 101   | 7.5           | 983             | -      | 814              | -      | 1797             | 95  | 131 | -   | 21              | -     | 32               |
| QF 30 - 13           | RO 101   | 7.5           | 1061            | -      | 814              | -      | 1875             | 95  | 131 | -   | 22              | -     | 32               |
| QF 30 - 8            | MTSF 150 | 5.5           | 758             | -      | 694              | -      | 1452             | 142 | 143 | 145 | 16              | -     | 48               |
| QF 30 - 9            | MTSF 150 | 5.5           | 819             | -      | 694              | -      | 1513             | 142 | 143 | 145 | 17              | -     | 48               |
| QF 30 - 10           | MTSF 150 | 5.5           | 879             | -      | 694              | -      | 1573             | 142 | 143 | 145 | 18              | -     | 48               |
| QF 30 - 11           | MTSF 150 | 7.5           | 940             | -      | 714              | -      | 1654             | 142 | 143 | 145 | 20              | -     | 50               |
| QF 30 - 12           | MTSF 150 | 7.5           | 1000            | -      | 714              | -      | 1714             | 142 | 143 | 145 | 21              | -     | 50               |
| QF 30 - 13           | MTSF 150 | 7.5           | 1061            | -      | 714              | -      | 1775             | 142 | 143 | 145 | 22              | -     | 50               |
| QF 30 - 14           | MTSF 150 | 9.3           | 1121            | -      | 744              | -      | 1865             | 142 | 143 | 145 | 23              | -     | 53               |
| QF 30 - 15           | MTSF 150 | 9.3           | 1182            | -      | 744              | -      | 1926             | 142 | 143 | 145 | 25              | -     | 53               |
| QF 30 - 16           | MTSF 150 | 9.3           | 1242            | -      | 744              | -      | 1986             | 142 | 143 | 145 | 26              | -     | 53               |
| QF 30 - 17           | MTSF 150 | 9.3           | 1303            | -      | 744              | -      | 2047             | 142 | 143 | 145 | 27              | -     | 53               |
| QF 30 - 18           | MTSF 150 | 11.0          | 1363            | -      | 774              | -      | 2137             | 142 | 143 | 145 | 28              | -     | 56               |
| QF 30 - 19           | MTSF 150 | 11.0          | 1424            | -      | 774              | -      | 2198             | 142 | 143 | 145 | 30              | -     | 56               |
| QF 30 - 20           | MTSF 150 | 11.0          | 1484            | -      | 774              | -      | 2258             | 142 | 143 | 145 | 31              | -     | 56               |
| QF 30 - 21           | MTSF 150 | 13.0          | 1545            | -      | 824              | -      | 2369             | 142 | 143 | 145 | 32              | -     | 61               |
| QF 30 - 22           | MTSF 150 | 13.0          | 1605            | -      | 824              | -      | 2429             | 142 | 143 | 145 | 33              | -     | 61               |
| QF 30 - 23           | MTSF 150 | 13.0          | 1666            | -      | 824              | -      | 2490             | 142 | 143 | 145 | 34              | -     | 61               |
| QF 30 - 24           | MTSF 150 | 13.0          | 1726            | -      | 824              | -      | 2550             | 142 | 143 | 145 | 36              | -     | 61               |
| QF 30 - 25           | MTSF 150 | 15.0          | 1787            | -      | 869              | -      | 2656             | 142 | 143 | 145 | 37              | -     | 66               |
| QF 30 - 26           | MTSF 150 | 15.0          | 1847            | -      | 869              | -      | 2716             | 142 | 143 | 145 | 38              | -     | 66               |
| QF 30 - 27           | MTSF 150 | 15.0          | 1908            | -      | 869              | -      | 2777             | 142 | 143 | 145 | 39              | -     | 66               |
| QF 30 - 28           | MTSF 150 | 18.5          | 1968            | -      | 914              | -      | 2882             | 142 | 143 | 145 | 41              | -     | 70               |
| QF 30 - 29           | MTSF 150 | 18.5          | 2029            | -      | 914              | -      | 2943             | 142 | 143 | 145 | 42              | -     | 70               |
| QF 30 - 30           | MTSF 150 | 18.5          | 2089            | -      | 914              | -      | 3003             | 142 | 143 | 145 | 43              | -     | 70               |
| QF 30 - 31           | MTSF 150 | 18.5          | 2150            | -      | 914              | -      | 3064             | 142 | 143 | 145 | 44              | -     | 70               |
| QF 30 - 32           | MTSF 150 | 18.5          | 2210            | -      | 914              | -      | 3124             | 142 | 143 | 145 | 46              | -     | 70               |
| QF 30 - 33           | MTSF 150 | 18.5          | 2271            | -      | 914              | -      | 3185             | 142 | 143 | 145 | 47              | -     | 70               |
| QF 30 - 34           | MTSF 150 | 22.0          | 2331            | -      | 1004             | -      | 3335             | 142 | 143 | 145 | 48              | -     | 79               |
| QF 30 - 35           | MTSF 150 | 22.0          | 2392            | -      | 1004             | -      | 3396             | 142 | 143 | 145 | 49              | -     | 79               |
| QF 30 - 36           | MTSF 150 | 22.0          | 2452            | -      | 1004             | -      | 3456             | 142 | 143 | 145 | 50              | -     | 79               |
| QF 30 - 37           | MTSF 150 | 22.0          | 2513            | -      | 1004             | -      | 3517             | 142 | 143 | 145 | 52              | -     | 79               |
| QF 30 - 38           | MTSF 150 | 22.0          | 2573            | -      | 1004             | -      | 3577             | 142 | 143 | 145 | 53              | -     | 79               |
| QF 30 - 39           | MTSF 150 | 22.0          | 2634            | -      | 1004             | -      | 3638             | 142 | 143 | 145 | 54              | -     | 79               |
| QF 30 - 40           | MTSF 150 | 22.0          | 2694            | -      | 1004             | -      | 3698             | 142 | 143 | 145 | 55              | -     | 79               |
| QF 30 - 43           | MTSF 150 | 26.0          | 2876            | -      | 1109             | -      | 3985             | 142 | 143 | 145 | 59              | -     | 90               |
| QF 30 - 45           | MTSF 150 | 26.0          | 2997            | -      | 1109             | -      | 4106             | 142 | 143 | 145 | 62              | -     | 90               |
| QF 30 - 48           | MTSF 150 | 26.0          | 3178            | -      | 1109             | -      | 4287             | 142 | 143 | 145 | 65              | -     | 90               |
| QF 30 - 51           | MTSF 150 | 30.0          | 3360            | -      | 1209             | -      | 4569             | 142 | 143 | 145 | 69              | -     | 100              |
| QF 30 - 53           | MTSF 150 | 30.0          | 3481            | -      | 1209             | -      | 4690             | 142 | 143 | 145 | 71              | -     | 100              |
| QF 30 - 55           | MTSF 150 | 37.0          | 3602            | -      | 1289             | -      | 4891             | 142 | 143 | 145 | 74              | -     | 106              |
| QF 30 - 51           | MTSF 200 | 30.0          | 3360            | -      | 1140             | -      | 4500             | 195 | 195 | 195 | 69              | -     | 172              |
| QF 30 - 53           | MTSF 200 | 30.0          | 3481            | -      | 1140             | -      | 4621             | 195 | 195 | 195 | 71              | -     | 172              |
| QF 30 - 55           | MTSF 200 | 37.0          | 3602            | -      | 1140             | -      | 4742             | 195 | 195 | 195 | 74              | -     | 172              |
| QF 30 - 58           | MTSF 200 | 37.0          | 3783            | -      | 1140             | -      | 4923             | 195 | 195 | 195 | 78              | -     | 172              |
| QF 30 - 60           | MTSF 200 | 37.0          | 3904            | -      | 1140             | -      | 5044             | 195 | 195 | 195 | 80              | -     | 172              |

\* Maximum diameter of pump with one motor cable  
 \*\* Maximum diameter of pump with two motor cable  
 Motor type may change as per requirement.

# PERFORMANCE TABLE QF 30



www.shaktipumps.com

## SUBMERSIBLE PUMPS QF30

| PERFORMANCE TABLE QF 30 |              |               |                   |      |      |     |       |       |     |       |       |     |       |       |
|-------------------------|--------------|---------------|-------------------|------|------|-----|-------|-------|-----|-------|-------|-----|-------|-------|
| QF-30                   |              | DISCHARGE [Q] |                   |      |      |     |       |       |     |       |       |     |       |       |
|                         |              | m³/h          | 0                 | 2    | 4    | 6   | 8     | 10    | 12  | 14    | 16    | 18  | 20    | 22    |
|                         |              | l/min.        | 0                 | 33.3 | 66.7 | 100 | 133.3 | 166.7 | 200 | 233.3 | 266.7 | 300 | 333.3 | 366.7 |
| MODEL                   | MOTOR RATING |               | TOTAL HEAD IN [m] |      |      |     |       |       |     |       |       |     |       |       |
|                         | [KW]         | [HP]          |                   |      |      |     |       |       |     |       |       |     |       |       |
| QF 30 - 1               | 0.55         | 0.75          | 12                | 11   | 11   | 11  | 10    | 10    | 9   | 8     | 7     | 6   | 5     | 4     |
| QF 30 - 2               | 1.1          | 1.5           | 23                | 23   | 22   | 22  | 21    | 20    | 19  | 17    | 16    | 14  | 12    | 9     |
| QF 30 - 3               | 2.2          | 3             | 34                | 34   | 34   | 33  | 33    | 31    | 29  | 27    | 25    | 22  | 19    | 15    |
| QF 30 - 4               | 2.2          | 3             | 45                | 45   | 44   | 44  | 43    | 41    | 39  | 36    | 33    | 29  | 24    | 19    |
| QF 30 - 5               | 3            | 4             | 56                | 56   | 56   | 55  | 54    | 51    | 49  | 45    | 41    | 37  | 31    | 25    |
| QF 30 - 6               | 4            | 5.5           | 68                | 67   | 67   | 66  | 65    | 63    | 59  | 55    | 50    | 45  | 38    | 31    |
| QF 30 - 7               | 4            | 5.5           | 78                | 78   | 78   | 77  | 75    | 72    | 68  | 64    | 58    | 52  | 44    | 35    |
| QF 30 - 8               | 5.5          | 7.5           | 90                | 90   | 90   | 89  | 87    | 84    | 80  | 74    | 68    | 61  | 52    | 42    |
| QF 30 - 9               | 5.5          | 7.5           | 101               | 101  | 100  | 99  | 97    | 94    | 89  | 83    | 76    | 67  | 58    | 46    |
| QF 30 - 10              | 5.5          | 7.5           | 112               | 111  | 111  | 110 | 107   | 103   | 98  | 91    | 83    | 74  | 63    | 50    |
| QF 30 - 11              | 7.5          | 10            | 124               | 124  | 123  | 122 | 119   | 115   | 110 | 102   | 94    | 84  | 72    | 58    |
| QF 30 - 12              | 7.5          | 10            | 135               | 134  | 134  | 132 | 130   | 125   | 119 | 111   | 101   | 90  | 77    | 62    |
| QF 30 - 13              | 7.5          | 10            | 145               | 145  | 144  | 143 | 140   | 135   | 128 | 119   | 109   | 97  | 83    | 66    |
| QF 30 - 14              | 9.3          | 12.5          | 157               | 157  | 156  | 155 | 152   | 147   | 139 | 130   | 119   | 106 | 91    | 74    |
| QF 30 - 15              | 9.3          | 12.5          | 168               | 168  | 167  | 165 | 162   | 156   | 149 | 139   | 127   | 113 | 97    | 78    |
| QF 30 - 16              | 9.3          | 12.5          | 179               | 178  | 178  | 176 | 172   | 166   | 158 | 147   | 134   | 119 | 102   | 82    |
| QF 30 - 17              | 9.3          | 12.5          | 189               | 189  | 188  | 186 | 182   | 175   | 166 | 155   | 141   | 126 | 107   | 86    |
| QF 30 - 18              | 11           | 15            | 202               | 201  | 200  | 199 | 194   | 188   | 178 | 167   | 152   | 136 | 116   | 94    |
| QF 30 - 19              | 11           | 15            | 212               | 212  | 211  | 209 | 204   | 197   | 187 | 175   | 160   | 142 | 121   | 97    |
| QF 30 - 20              | 11           | 15            | 223               | 222  | 221  | 219 | 214   | 207   | 196 | 183   | 167   | 148 | 126   | 101   |
| QF 30 - 21              | 13           | 17.5          | 235               | 235  | 234  | 232 | 227   | 220   | 209 | 195   | 179   | 159 | 137   | 110   |
| QF 30 - 22              | 13           | 17.5          | 246               | 246  | 245  | 243 | 237   | 229   | 218 | 204   | 186   | 166 | 142   | 114   |
| QF 30 - 23              | 13           | 17.5          | 257               | 256  | 255  | 253 | 248   | 239   | 227 | 212   | 193   | 172 | 147   | 118   |
| QF 30 - 24              | 13           | 17.5          | 267               | 267  | 266  | 263 | 258   | 248   | 236 | 220   | 201   | 178 | 152   | 122   |
| QF 30 - 25              | 15           | 20            | 280               | 279  | 279  | 276 | 270   | 261   | 248 | 232   | 212   | 189 | 162   | 131   |
| QF 30 - 26              | 15           | 20            | 291               | 290  | 289  | 286 | 280   | 271   | 257 | 240   | 220   | 196 | 168   | 135   |
| QF 30 - 27              | 15           | 20            | 301               | 300  | 300  | 297 | 290   | 280   | 266 | 249   | 227   | 202 | 173   | 139   |
| QF 30 - 28              | 18.5         | 25            | 315               | 314  | 314  | 311 | 305   | 295   | 281 | 263   | 241   | 215 | 186   | 151   |
| QF 30 - 29              | 18.5         | 25            | 326               | 325  | 324  | 321 | 315   | 305   | 290 | 272   | 249   | 222 | 191   | 155   |
| QF 30 - 30              | 18.5         | 25            | 336               | 336  | 335  | 332 | 325   | 315   | 299 | 280   | 257   | 229 | 197   | 159   |
| QF 30 - 32              | 18.5         | 25            | 347               | 346  | 346  | 342 | 336   | 324   | 309 | 289   | 264   | 236 | 202   | 163   |
| QF 30 - 32              | 18.5         | 25            | 358               | 357  | 356  | 353 | 346   | 334   | 318 | 297   | 272   | 242 | 208   | 168   |
| QF 30 - 33              | 18.5         | 25            | 368               | 368  | 367  | 363 | 356   | 344   | 327 | 305   | 279   | 249 | 213   | 172   |
| QF 30 - 34              | 22           | 30            | 382               | 381  | 380  | 377 | 369   | 357   | 340 | 318   | 291   | 260 | 223   | 181   |
| QF 30 - 35              | 22           | 30            | 392               | 392  | 391  | 387 | 380   | 367   | 349 | 326   | 299   | 266 | 229   | 185   |
| QF 30 - 36              | 22           | 30            | 403               | 402  | 401  | 398 | 390   | 377   | 358 | 335   | 306   | 273 | 234   | 189   |
| QF 30 - 37              | 22           | 30            | 414               | 413  | 412  | 408 | 400   | 386   | 367 | 343   | 314   | 279 | 240   | 193   |
| QF 30 - 38              | 22           | 30            | 425               | 424  | 423  | 418 | 410   | 396   | 376 | 351   | 321   | 286 | 245   | 197   |
| QF 30 - 39              | 22           | 30            | 435               | 434  | 433  | 429 | 420   | 405   | 385 | 360   | 328   | 292 | 250   | 201   |
| QF 30 - 40              | 22           | 30            | 446               | 445  | 444  | 439 | 430   | 415   | 394 | 368   | 336   | 298 | 255   | 205   |
| QF 30 - 43              | 26           | 35            | 481               | 481  | 479  | 475 | 466   | 450   | 428 | 400   | 366   | 326 | 280   | 227   |
| QF 30 - 45              | 26           | 35            | 503               | 502  | 501  | 496 | 486   | 469   | 446 | 417   | 381   | 339 | 291   | 235   |
| QF 30 - 48              | 26           | 35            | 535               | 534  | 532  | 527 | 516   | 498   | 473 | 441   | 403   | 358 | 306   | 246   |