

Flange Dimensions



PN16 FLANGES

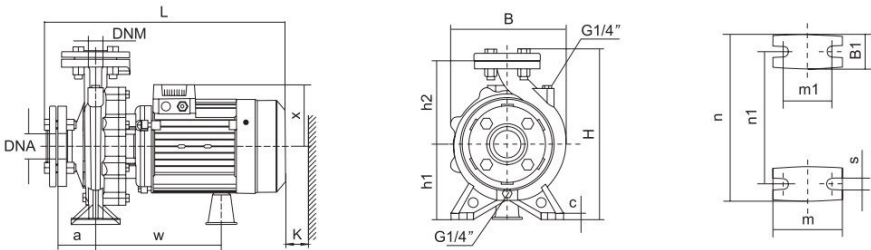
| DN | D   | M   | G   | HOLES N° | Ø  | MAX. THICKNESS |
|----|-----|-----|-----|----------|----|----------------|
| 32 | 140 | 100 | 78  | 4        | 18 | 18             |
| 40 | 150 | 110 | 88  | 4        | 18 | 18             |
| 50 | 165 | 125 | 102 | 4        | 18 | 20             |
| 65 | 185 | 145 | 122 | 4        | 18 | 20             |

PN16 FLANGES

| DN  | D   | M   | G   | HOLES N° | Ø  | MAX. THICKNESS |
|-----|-----|-----|-----|----------|----|----------------|
| 80  | 200 | 160 | 138 | 8        | 18 | 22             |
| 100 | 220 | 180 | 158 | 8        | 18 | 22             |

Installation Sketch

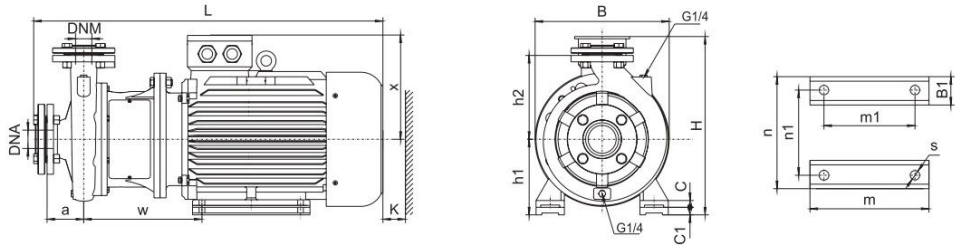
up to 7.5 kW included



| MODEL     | DNM | DNA | a   | w   | x   | h2  | B1 | c  | h1  | m   | m1 | n   | n1  | s  | B   | H   | L   | K   |
|-----------|-----|-----|-----|-----|-----|-----|----|----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|
| 32-125/7  | 32  | 50  | 80  | 223 | 113 | 140 | 48 | 12 | 112 | 100 | 70 | 190 | 140 | 15 | 192 | 281 | 427 | 85  |
| 32-125/11 |     |     |     | 231 | 123 | 160 | 50 | 16 | 132 |     |    | 240 | 190 | 14 | 240 | 321 | 430 | 95  |
| 32-160/15 |     |     |     | 266 | 141 |     |    |    |     |     |    | 264 | 212 | 15 | 308 | 386 | 610 |     |
| 32-160/22 |     |     |     | 258 | 127 | 180 | 48 | 12 | 160 |     |    | 272 | 212 | 15 | 308 | 386 | 640 |     |
| 32-160/30 |     |     |     | 266 | 141 |     |    |    |     |     |    | 264 | 212 | 15 | 308 | 386 | 640 | 60  |
| 32-200/30 |     |     |     | 258 | 127 | 180 | 48 | 12 | 160 |     |    | 272 | 212 | 15 | 308 | 386 | 610 |     |
| 32-200/40 |     |     |     | 258 | 127 | 180 | 48 | 12 | 160 |     |    | 272 | 212 | 15 | 308 | 386 | 640 |     |
| 32-250/55 |     |     |     | 264 | 180 | 198 | 60 | 15 | 160 |     |    | 272 | 212 | 15 | 308 | 386 | 610 | 60  |
| 32-250/75 |     |     |     | 264 | 180 | 198 | 60 | 15 | 160 |     |    | 272 | 212 | 15 | 308 | 386 | 610 |     |
| 40-125/11 |     |     |     | 255 | 127 | 140 | 45 |    | 112 |     |    | 210 | 160 |    | 218 | 282 | 489 | 95  |
| 40-125/15 | 40  | 65  | 80  | 255 | 127 | 140 | 45 |    | 112 | 100 | 70 | 210 | 160 |    | 218 | 282 | 489 | 95  |
| 40-125/22 |     |     |     | 238 | 127 | 168 | 48 | 12 | 132 |     |    | 240 | 190 |    | 249 | 330 | 494 |     |
| 40-160/30 |     |     |     | 238 | 127 | 168 | 48 | 12 | 132 |     |    | 240 | 190 |    | 249 | 330 | 494 |     |
| 40-160/40 |     |     |     | 238 | 127 | 168 | 48 | 12 | 132 |     |    | 240 | 190 |    | 249 | 330 | 494 | 105 |
| 40-200/55 |     |     |     | 259 | 180 | 180 | 50 |    | 160 |     |    | 264 | 212 | 15 | 275 | 370 | 553 |     |
| 40-200/75 |     |     |     | 259 | 180 | 180 | 50 |    | 160 |     |    | 264 | 212 | 15 | 275 | 370 | 583 |     |
| 50-125/22 |     |     |     | 262 | 127 | 160 | 50 |    | 132 |     |    | 240 | 190 |    | 243 | 322 | 518 | 110 |
| 50-125/30 |     |     |     | 262 | 127 | 160 | 50 |    | 132 |     |    | 240 | 190 |    | 243 | 322 | 518 |     |
| 50-125/40 |     |     |     | 262 | 127 | 160 | 50 |    | 132 |     |    | 240 | 190 |    | 243 | 322 | 518 |     |
| 50-160/55 |     |     |     | 262 | 180 | 180 | 52 |    | 160 |     |    | 264 | 212 |    | 272 | 370 | 556 | 110 |
| 50-160/75 |     |     |     | 262 | 180 | 180 | 52 |    | 160 |     |    | 264 | 212 |    | 272 | 370 | 586 |     |
| 65-125/40 | 65  | 80  | 100 | 265 | 180 | 180 | 68 | 14 | 160 | 125 | 95 | 280 | 212 |    | 283 | 372 | 564 |     |
| 65-125/55 |     |     |     | 265 | 180 | 180 | 68 | 14 | 160 | 125 | 95 | 280 | 212 |    | 283 | 372 | 594 | 594 |
| 65-125/75 |     |     |     | 265 | 180 | 180 | 68 | 14 | 160 | 125 | 95 | 280 | 212 |    | 283 | 372 | 594 |     |

Installation Sketch

From 7.5 kW



| MODEL       | DNM | DNA | a   | w   | x   | h2  | B1 | C  | C1 | h1  | m   | m1  | n   | n1  | s    | B   | H   | L    | K   |
|-------------|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|
| 40-250/92   | 40  | 65  | 100 | 310 | 260 | 225 | 65 | 20 | 20 | 180 | 260 | 210 | 320 | 254 |      | 350 | 440 | 845  | 110 |
| 40-250/110  |     |     |     |     |     | 225 | 65 | 20 | 20 | 180 | 260 | 210 | 320 | 254 |      | 350 | 440 | 845  | 110 |
| 40-250/150  |     |     |     |     |     | 225 | 65 | 20 | 20 | 180 | 260 | 210 | 320 | 254 |      | 350 | 440 | 845  |     |
| 50-200/92   | 50  | 65  | 100 | 310 | 260 | 200 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 845  | 120 |
| 50-200/110  |     |     |     |     |     | 200 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 845  | 110 |
| 50-250/150  |     |     |     |     |     | 225 | 65 | 20 | 20 | 180 | 304 | 254 | 355 | 279 |      | 440 | 895 | 925  |     |
| 50-250/185  |     |     |     |     |     | 225 | 65 | 20 | -  | 180 | 304 | 254 | 355 | 279 |      | 440 | 895 | 925  | 110 |
| 50-250/220  |     |     |     |     |     | 225 | 65 | 20 | -  | 180 | 304 | 254 | 355 | 279 |      | 440 | 895 | 925  |     |
| 65-160/92   |     |     |     |     |     | 200 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 845  | 125 |
| 65-160/110  |     |     |     |     |     | 200 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 845  |     |
| 65-160/150  |     |     |     |     |     | 200 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 845  | 125 |
| 65-200/150  |     |     |     |     |     | 200 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 845  |     |
| 65-200/185  |     |     |     |     |     | 200 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 845  | 125 |
| 65-200/220  |     |     |     |     |     | 200 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 845  |     |
| 65-200K/185 | 65  | 80  | 100 | 323 | 275 | 225 | 70 | 22 | -  | 180 | 311 | 241 | 355 | 279 |      | 455 | 925 | 956  | 125 |
| 65-200K/220 |     |     |     | 323 | 275 | 225 | 70 | 22 | -  | 180 | 311 | 241 | 355 | 279 |      | 455 | 925 | 956  |     |
| 65-200K/300 |     |     |     | 323 | 275 | 225 | 70 | 22 | -  | 180 | 311 | 241 | 355 | 279 |      | 455 | 925 | 956  | 125 |
| 65-250/220  |     |     |     | 323 | 275 | 225 | 70 | 22 | -  | 180 | 311 | 241 | 355 | 279 |      | 455 | 925 | 956  |     |
| 65-250/300  |     |     |     | 323 | 275 | 225 | 70 | 22 | -  | 180 | 311 | 241 | 355 | 279 |      | 455 | 925 | 956  | 125 |
| 65-250/370  |     |     |     | 323 | 275 | 225 | 70 | 22 | -  | 180 | 311 | 241 | 355 | 279 |      | 455 | 925 | 956  |     |
| 80-160/110  |     |     |     | 315 | 260 | 225 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 870  | 130 |
| 80-160/150  |     |     |     | 315 | 260 | 225 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 870  |     |
| 80-160/185  |     |     |     | 315 | 260 | 225 | 65 | 20 | -  | 160 | 260 | 210 | 320 | 254 | 14.5 | 350 | 420 | 870  | 130 |
| 80-200/220  |     |     |     | 352 | 275 | 250 | 70 | 25 | -  | 200 | 369 | 305 | 395 | 318 | 18.5 | 400 | 505 | 1050 |     |
| 80-200/300  | 80  | 100 | 125 | 352 | 275 | 250 | 70 | 25 | -  | 200 | 369 | 305 | 395 | 318 | 18.5 | 400 | 505 | 1050 | 120 |
| 80-250/370  |     |     |     | 352 | 275 | 250 | 70 | 25 | -  | 200 | 369 | 305 | 395 | 318 | 18.5 | 400 | 505 | 1050 |     |
| 80-250/450  |     |     |     | 381 | 330 | 280 | 75 | 28 | -  | 225 | 404 | 311 | 435 | 356 | 18.5 | 450 | 555 | 1098 | 120 |
| 80-250/550  |     |     |     | 433 | 365 | 280 | 80 | 30 | 30 | 280 | 450 | 349 | 490 | 406 | 24   | 550 | 646 | 1192 |     |

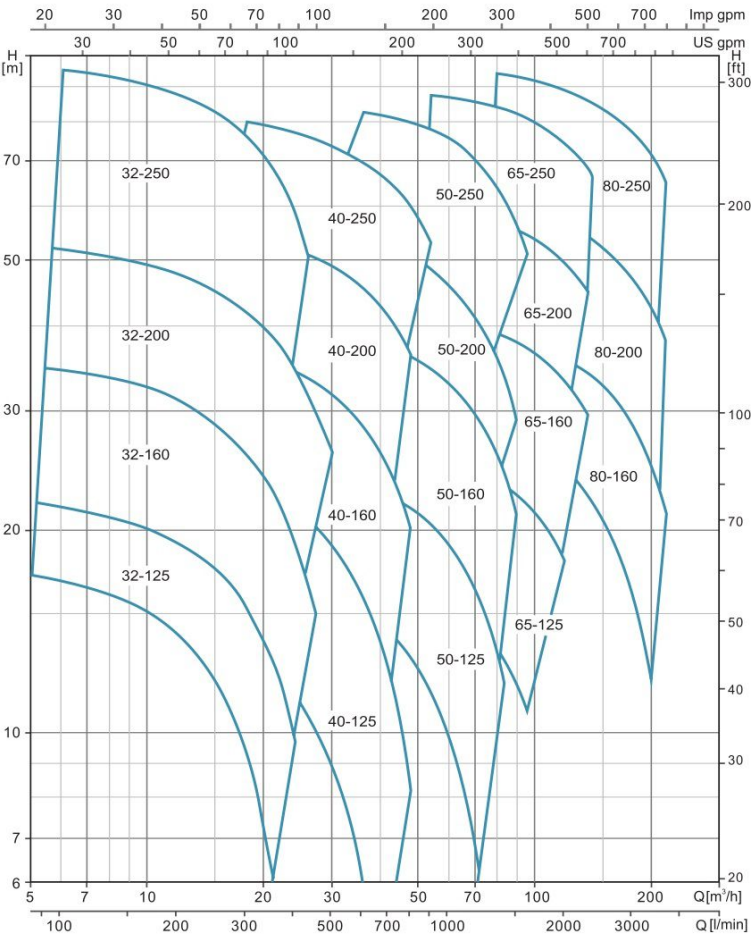
Technical Data

| PUMP<br>TYPE | POWER |      | l/min<br>m³/h | Q=DELIVERY |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
|--------------|-------|------|---------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
|              | kW    | HP   |               | 0          | 100  | 150  | 250  | 300  | 400  | 450  | 600  | 700  | 800  | 900  | 1200 | 1400 | 1500 | 1800 | 2000 | 2300 | 3000 | 3500 |  |  |  |  |  |  |  |
| 32-125/07★   | 0.75  | 1    | H(m)          | 17.5       | 16.7 | 15   | 12   | 9    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 32-125/11★   | 1.1   | 1.5  |               | 22         | 21   | 19.7 | 16.5 | 14.5 | 9    |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 32-160/15★   | 1.5   | 2    |               | 25.4       | 23.7 | 22.5 | 18.5 | 15.8 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 32-160/22★   | 2.2   | 3    |               | 31         | 29.6 | 28.5 | 24.5 | 22   | 15   |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 32-160/30★   | 3     | 4    |               | 35         | 34.3 | 34   | 28   | 25.5 | 19   | 15   |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 32-200/30★   | 3     | 4    |               | 44.2       | 43   | 39.8 | 35.2 | 32.2 | 24.6 | 19.8 |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 32-200/40★   | 4     | 5.5  |               | 54.5       | 52   | 50   | 45.5 | 41.9 | 35   | 30.3 |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 32-250/55★   | 5.5   | 7.5  |               | 79.5       | 74.7 | 71.8 | 63   | 56   | 37.5 |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 32-250/75★   | 7.5   | 10   |               | 99.5       | 95   | 91.8 | 83   | 76   | 57.8 |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-125/11    | 1.1   | 1.5  |               | 14.7       |      |      |      | 13.5 | 11.5 | 10.1 | 5.8  |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-125/15    | 1.5   | 2    |               | 18.1       |      |      |      | 17   | 15   | 13.9 | 9.6  | 6    |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-125/22    | 2.2   | 3    |               | 24.5       |      |      |      | 23.2 | 21.5 | 20.2 | 16   | 13   | 8.3  |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-160/30    | 3     | 4    |               | 31.8       |      |      |      | 29.5 | 27.5 | 26.3 | 21.5 | 17.5 |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-160/40    | 4     | 5.5  |               | 38         |      |      |      | 36   | 34   | 33   | 28.5 | 25   | 20.1 |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-200/55★   | 5.5   | 7.5  |               | 46         |      |      |      | 43.8 | 41.3 | 40.1 | 35   | 30   |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-200/75★   | 7.5   | 10   |               | 57         |      |      |      | 53.6 | 51.5 | 50   | 45   | 41   | 36.5 |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-250/92★   | 9.2   | 12.5 |               | 64         |      |      |      | 59   | 56.5 | 55   | 49.5 | 45   | 39.8 |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-250/110★  | 11    | 15   |               | 72         |      |      |      | 67.5 | 65   | 63.5 | 57.5 | 52.2 | 47   |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 40-250/150★  | 15    | 20   |               | 84.5       |      |      |      | 80   | 77.3 | 75.2 | 71   | 65   | 61   |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-125/22    | 2.2   | 3    |               | 17         |      |      |      |      |      |      | 15.4 | 14   | 12.8 | 11.5 | 6.5  |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-125/30    | 3     | 4    |               | 20         |      |      |      |      |      |      | 18.8 | 18   | 17   | 15.6 | 11   |      |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-125/40    | 4     | 5.5  |               | 24         |      |      |      |      |      |      | 23.1 | 23   | 21.5 | 20.3 | 15.8 | 11.8 |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-160/55    | 5.5   | 7.5  |               | 32         |      |      |      |      |      |      | 30.6 | 30   | 28   | 26.6 | 20.5 | 14.8 |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-160/75    | 7.5   | 10   |               | 40         |      |      |      |      |      |      | 38   | 37   | 36   | 34.4 | 29   | 24   | 21   |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-200/92★   | 9.2   | 12.5 |               | 50.5       |      |      |      |      |      |      | 46.8 | 45   | 43   | 40.9 | 32.5 | 25.7 |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-200/110★  | 11    | 15   |               | 57.5       |      |      |      |      |      |      | 53.5 | 52   | 50   | 47.5 | 40   | 33   | 29   |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-250/150★  | 15    | 20   |               | 68.5       |      |      |      |      |      |      | 64   | 63   | 61.5 | 59   | 50   | 41   |      |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-250/185★  | 18.5  | 25   |               | 77         |      |      |      |      |      |      | 73.2 | 72   | 70   | 68   | 60.5 | 51.5 | 47   |      |      |      |      |      |  |  |  |  |  |  |  |
| 50-250/220★  | 22    | 30   |               | 86.3       |      |      |      |      |      |      | 83   | 81.5 | 80.8 | 78.7 | 70   | 61.9 | 57   |      |      |      |      |      |  |  |  |  |  |  |  |
| 65-125/40    | 4     | 5.5  |               | 19         |      |      |      |      |      |      |      |      | 17.3 | 16.8 | 14.5 | 13   | 11.8 |      |      |      |      |      |  |  |  |  |  |  |  |
| 65-125/55    | 5.5   | 7.5  |               | 23         |      |      |      |      |      |      |      |      | 21.3 | 20.9 | 19   | 17.5 | 16.7 | 13.7 |      |      |      |      |  |  |  |  |  |  |  |
| 65-125/75    | 7.5   | 10   |               | 27         |      |      |      |      |      |      |      |      | 26   | 25.6 | 24.5 | 23   | 22.5 | 20   | 18   |      |      |      |  |  |  |  |  |  |  |
| 65-160/92    | 9.2   | 12.5 | 33            |            |      |      |      |      |      |      |      |      | 31.5 | 30   | 28   | 27.1 | 24   | 21.5 |      |      |      |      |  |  |  |  |  |  |  |
| 65-160/110   | 11    | 15   | 36            |            |      |      |      |      |      |      |      |      | 34.5 | 33   | 31.5 | 30.8 | 28   | 25.5 |      |      |      |      |  |  |  |  |  |  |  |
| 65-160/150   | 15    | 20   | 42            |            |      |      |      |      |      |      |      |      | 41   | 40   | 38.5 | 37.8 | 35   | 33   | 29.5 |      |      |      |  |  |  |  |  |  |  |
| 65-200/150   | 15    | 20   | 45.5          |            |      |      |      |      |      |      |      |      | 46   | 43.5 | 41   | 39.2 | 33   |      |      |      |      |      |  |  |  |  |  |  |  |
| 65-200/185   | 18.5  | 25   | 53            |            |      |      |      |      |      |      |      |      | 53.5 | 51.2 | 48.3 | 47   | 41.5 |      |      |      |      |      |  |  |  |  |  |  |  |
| 65-200/220   | 22    | 30   | 59            |            |      |      |      |      |      |      |      |      | 59.5 | 57.2 | 54   | 53   | 47   | 43.5 |      |      |      |      |  |  |  |  |  |  |  |
| 65-200K/185  | 18.5  | 25   | 41.2          |            |      |      |      |      |      |      |      |      | 42   | 41.2 | 40.6 | 38.2 | 36.5 | 34   |      |      |      |      |  |  |  |  |  |  |  |
| 65-200K/220  | 22    | 30   | 48            |            |      |      |      |      |      |      |      |      |      |      | 48   | 47.5 | 46   | 44   | 41   |      |      |      |  |  |  |  |  |  |  |
| 65-200K/300  | 30    | 40   | 59.5          |            |      |      |      |      |      |      |      |      |      |      | 59   | 58.5 | 58   | 56.2 | 54   |      |      |      |  |  |  |  |  |  |  |
| 65-250/220   | 22    | 30   | 62            |            |      |      |      |      |      |      |      |      |      |      | 61.5 | 58.2 | 56.5 | 54   | 49   | 45   |      |      |  |  |  |  |  |  |  |
| 65-250/300   | 30    | 40   | 76            |            |      |      |      |      |      |      |      |      |      |      | 75   | 73   | 71.5 | 69.5 | 64.5 | 61.5 | 54   |      |  |  |  |  |  |  |  |
| 65-250/370   | 37    | 50   | 90            |            |      |      |      |      |      |      |      |      |      |      | 88.3 | 86.5 | 84   | 83   | 78   | 75   | 68   |      |  |  |  |  |  |  |  |
| 80-160/110   | 11    | 15   | 27            |            |      |      |      |      |      |      |      |      |      |      | 27.3 | 26   | 24.5 | 22.5 | 16   |      |      |      |  |  |  |  |  |  |  |
| 80-160/150   | 15    | 20   | 32.8          |            |      |      |      |      |      |      |      |      |      |      |      |      | 32.5 | 31.3 | 30.2 | 28.5 | 22.1 | 16.7 |  |  |  |  |  |  |  |
| 80-160/185   | 18.5  | 25   | 39            |            |      |      |      |      |      |      |      |      |      |      |      |      | 38   | 36.8 | 36.7 | 33.8 | 28.8 | 23.5 |  |  |  |  |  |  |  |
| 80-200/220   | 22    | 30   | 48            |            |      |      |      |      |      |      |      |      |      |      |      |      | 47.5 | 45.5 | 43.5 | 41   | 32.5 | 24.5 |  |  |  |  |  |  |  |
| 80-200/300   | 30    | 45   | 60            |            |      |      |      |      |      |      |      |      |      |      |      |      | 59.5 | 58   | 57   | 54.5 | 47   | 40.5 |  |  |  |  |  |  |  |
| 80-250/370   | 37    | 50   | 71.5          |            |      |      |      |      |      |      |      |      |      |      |      |      | 70.5 | 67.5 | 65.5 | 61.5 | 49.5 | 38.5 |  |  |  |  |  |  |  |
| 80-250/450   | 45    | 61   | 80            |            |      |      |      |      |      |      |      |      |      |      |      |      | 80.5 | 78.5 | 76.5 | 73.4 | 63.2 | 51   |  |  |  |  |  |  |  |
| 80-250/550   | 55    | 75   | 92.5          |            |      |      |      |      |      |      |      |      |      |      |      |      | 93.5 | 91.2 | 89.8 | 86.8 | 77.6 | 68.3 |  |  |  |  |  |  |  |

★= Stainless steel impeller

Characteristic Curves

|     |          |                  |
|-----|----------|------------------|
| XST | ~2900rpm | ISO 9906 Annex A |
|-----|----------|------------------|



## Hydraulic Performance Curves

|                  |                 |                         |
|------------------|-----------------|-------------------------|
| <b>XST50-125</b> | <b>~2900rpm</b> | <b>ISO 9906 Annex A</b> |
|------------------|-----------------|-------------------------|

