

Twin impeller centrifugal pumps with hydraulic components constructed in stainless steel AISI 304, suitable for pressure boosting, water supply, water treatment & irrigation. Air conditioning systems and general water pumping including moderately aggressive liquids



### SPECIFICATIONS

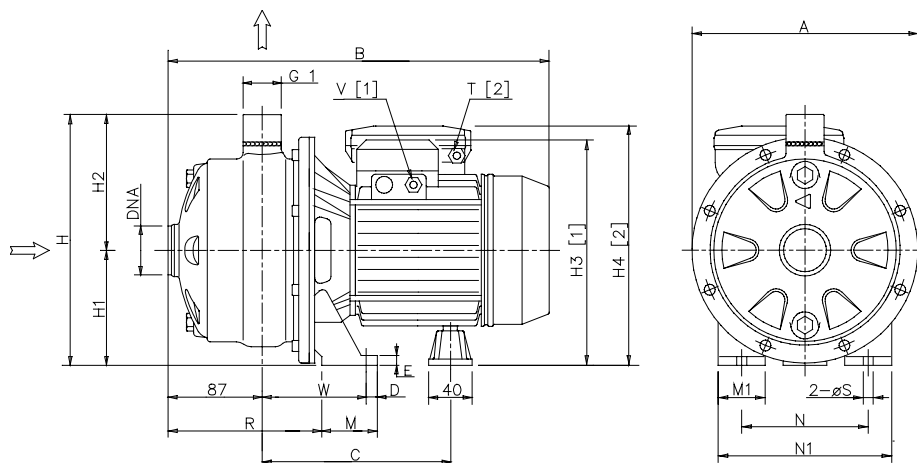
- Maximum working pressure: 8 bar
- Maximum liquid temperature:  
35°C according EN 60335-2-41 for domestic uses  
60°C for other uses  
110° for H version

### MATERIALS

- Pump body, impeller, diffuser and casing cover in AISI 304
- Shaft in AISI 304
- Bracket and motor casing in aluminium
- Mechanical seal in carbon/ceramic/NBR
- Special mechanical seal are available on demand

### TECHNICAL DATA

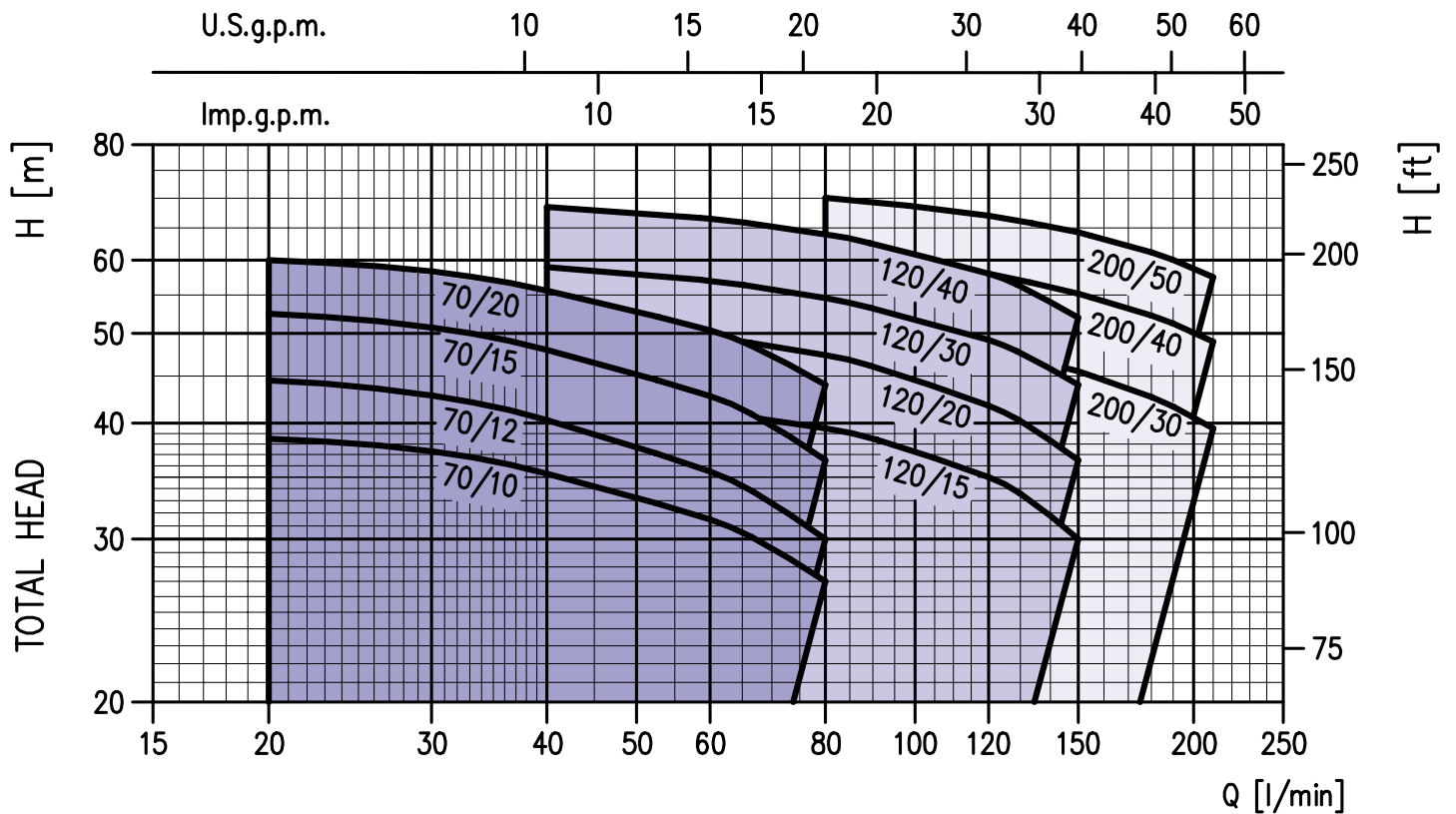
- T.E.F.C. 2 poles motor
- Insulation class F
- Protection degree IP55
- 1 230V ± 10% 50Hz, 3 230/400V ± 10% 50Hz
- Permanent split capacitor and automatic thermal overload protection for single-phase version
- Thermal protection to be provided by the user for three-phase version
- DNA 1<sup>3/4</sup>" for 2CDX200  
DNA 1<sup>1/4</sup>" for the other models
- DNM 1"



### DIMENSIONAL TABLE

| Pump type    |             | Dimensions (mm) |     |       |      |    |     |     |     |     |     |    |    |     |     |       |        |        |       | Weight |         |              |             |
|--------------|-------------|-----------------|-----|-------|------|----|-----|-----|-----|-----|-----|----|----|-----|-----|-------|--------|--------|-------|--------|---------|--------------|-------------|
| Single-phase | Three-phase | A               | B   | C     | D    | E  | H   | H1  | H2  | H3  | H4  | M  | M1 | N   | N1  | R     | T      | V      | W     | S      | DNA     | Single-phase | Three-phase |
| 2CDXM 70/10  | 2CDX 70/10  | 208             | 355 | 182   | 12,5 | 8  | 229 | 106 | 123 | 209 | 215 | 50 | 38 | 120 | 160 | 142,5 | PG11   | PG11   | 93    | 9      | G 1 1/4 | 13,5         | 13,3        |
| 2CDXM 70/12  | 2CDX 70/12  | 208             | 355 | 182   | 12,5 | 8  | 229 | 106 | 123 | 209 | 215 | 50 | 38 | 120 | 160 | 142,5 | PG11   | PG11   | 93    | 9      | G 1 1/4 | 14,2         | 13,8        |
| 2CDXM 70/15  | 2CDX 70/15  | 232             | 380 | 199   | 12,5 | 8  | 250 | 118 | 132 | 235 | 249 | 55 | 40 | 140 | 180 | 140   | PG13,5 | PG11   | 95,5  | 9      | G 1 1/4 | 17,4         | 16,4        |
| 2CDXM 70/20  | 2CDX 70/20  | 232             | 385 | 199   | 12,5 | 8  | 250 | 118 | 132 | 235 | 249 | 55 | 40 | 140 | 180 | 140   | PG13,5 | PG11   | 95,5  | 9      | G 1 1/4 | 18,6         | 18,2        |
| 2CDXM 120/15 | 2CDX 120/15 | 208             | 380 | 199   | 12,5 | 8  | 229 | 106 | 123 | 223 | 237 | 55 | 40 | 140 | 180 | 140   | PG13,5 | PG11   | 95,5  | 9      | G 1 1/4 | 15,5         | 15,3        |
| 2CDXM 120/20 | 2CDX 120/20 | 208             | 380 | 199   | 12,5 | 8  | 229 | 106 | 123 | 223 | 237 | 55 | 40 | 140 | 180 | 140   | PG13,5 | PG11   | 95,5  | 9      | G 1 1/4 | 18,0         | 16,9        |
| -            | 2CDX 120/30 | 232             | 390 | 209,5 | 12,5 | 8  | 250 | 118 | 132 | 240 | -   | 65 | 40 | 140 | 180 | 145   | -      | PG13,5 | 110,5 | 9      | G 1 1/4 | -            | 23,2        |
| -            | 2CDX 120/40 | 232             | 420 | 231,5 | 12,5 | 8  | 250 | 118 | 132 | 240 | -   | 65 | 40 | 140 | 180 | 145   | -      | PG13,5 | 110,5 | 9      | G 1 1/4 | -            | 26,4        |
| -            | 2CDX 200/30 | 208             | 394 | 210   | 12,5 | 8  | 229 | 106 | 123 | 240 | -   | 65 | 40 | 140 | 180 | 145   | -      | PG13,5 | 110,5 | 9      | G 1 1/2 | -            | 25,0        |
| -            | 2CDX 200/40 | 232             | 420 | 231,5 | 12,5 | 8  | 250 | 118 | 132 | 240 | -   | 65 | 40 | 140 | 180 | 145   | -      | PG13,5 | 110,5 | 9      | G 1 1/2 | -            | 25,0        |
| -            | 2CDX 200/50 | 232             | 445 | 231,5 | 16,0 | 13 | 250 | 118 | 132 | 252 | -   | 68 | 50 | 160 | 210 | 145   | -      | PG16   | 110,0 | 12     | G 1 1/2 | -            | 32,7        |

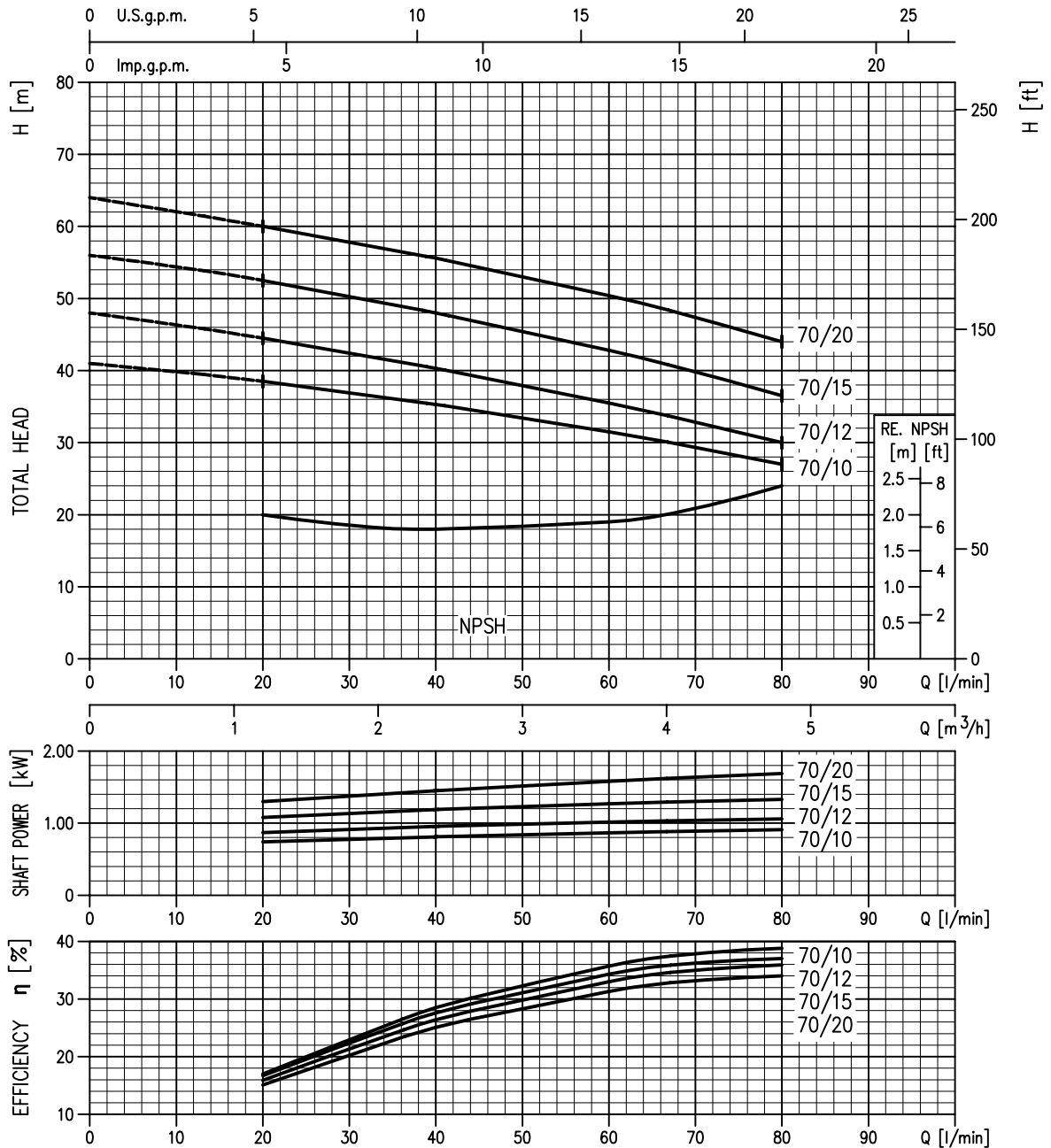
## PERFORMANCE CHART (according to ISO 9906 Annex A)



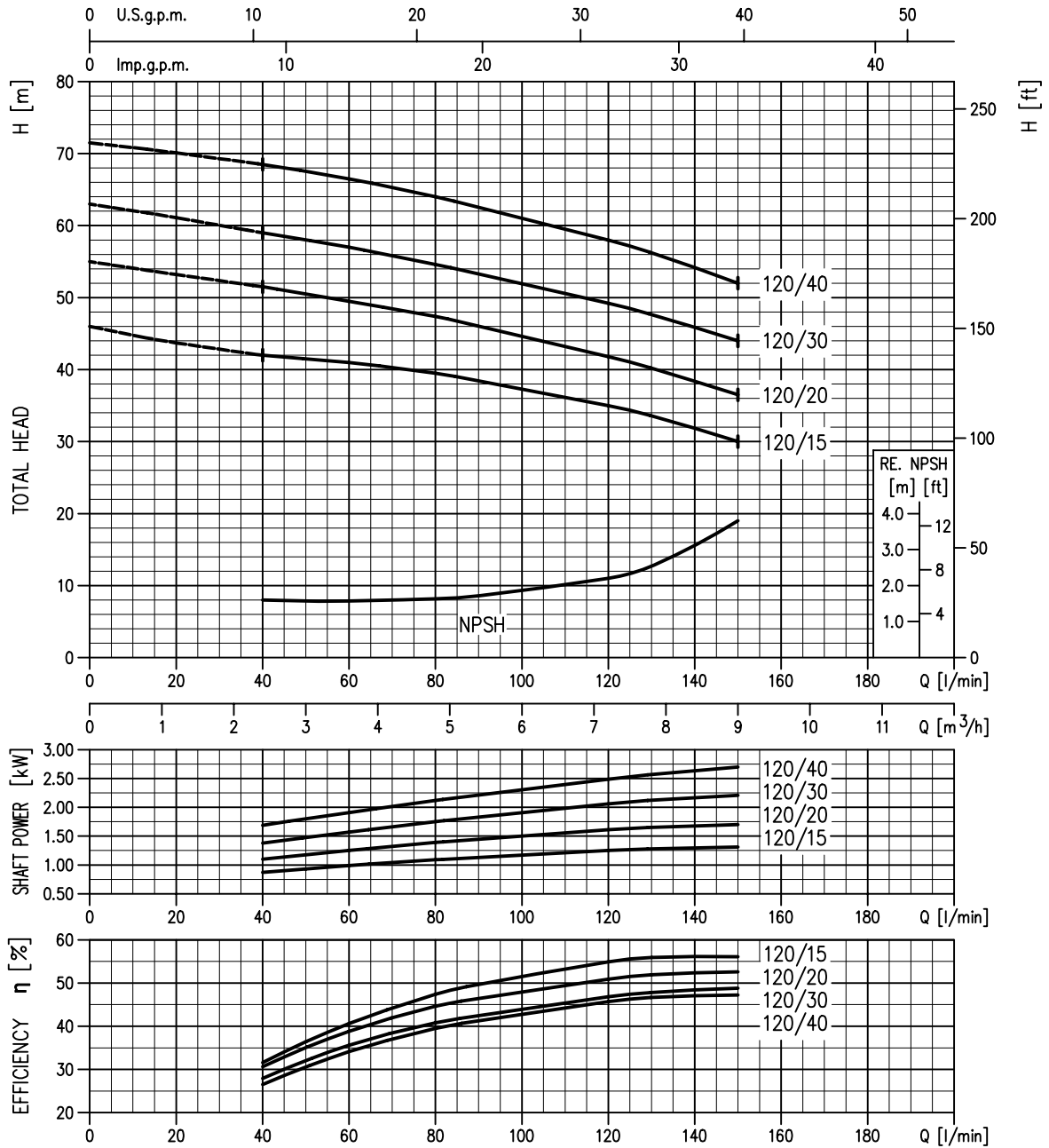
### PERFORMANCE TABLE

| Pump type                 |                              | kW   | Capacitor |                | Absorbed Current (A) |                          |     | l/min<br>m <sup>3</sup> /h | Q=Capacity |      |      |      |      |      |      |     |
|---------------------------|------------------------------|------|-----------|----------------|----------------------|--------------------------|-----|----------------------------|------------|------|------|------|------|------|------|-----|
| Single-phase<br>230V 50Hz | Three-phase<br>230/400V 50Hz |      | μF        | V <sub>c</sub> | Single-phase         | Three-phase<br>230V 400V |     |                            | 20         | 40   | 60   | 80   | 120  | 150  | 180  | 210 |
|                           |                              |      |           |                |                      |                          |     | H=Total head               |            |      |      |      |      |      |      |     |
| 2CDXM 70/10               | 2CDX 70/10                   | 0,75 | 20        | 450            | 6,0                  | 4,0                      | 2,3 | 38,5                       | 35,3       | 31,5 | 27   | -    | -    | -    | -    |     |
| 2CDXM 70/12               | 2CDX 70/12                   | 0,9  | 31,5      | 450            | 7,0                  | 5,0                      | 2,9 | 44,5                       | 40,3       | 35,5 | 30   | -    | -    | -    | -    |     |
| 2CDXM 70/15               | 2CDX 70/15                   | 1,1  | 35        | 450            | 8,0                  | 5,6                      | 3,2 | 52,5                       | 48         | 42,8 | 36,5 | -    | -    | -    | -    |     |
| 2CDXM 70/20               | 2CDX 70/20                   | 1,5  | 40        | 450            | 9,9                  | 7,0                      | 4,0 | 60                         | 55,6       | 50,4 | 44   | -    | -    | -    | -    |     |
| 2CDXM 120/15              | 2CDX 120/15                  | 1,1  | 35        | 450            | 8,3                  | 5,6                      | 3,2 | -                          | 42         | 41   | 39,5 | 35   | 30   | -    | -    |     |
| 2CDXM 120/20              | 2CDX 120/20                  | 1,5  | 40        | 450            | 10,2                 | 7,0                      | 4,0 | -                          | 51,5       | 49,5 | 47,4 | 41,8 | 36,5 | -    | -    |     |
| -                         | 2CDX 120/30                  | 2,2  | -         | -              | -                    | 8,7                      | 5,0 | -                          | 59         | 57   | 54,6 | 49,2 | 44   | -    | -    |     |
| -                         | 2CDX 120/40                  | 3,0  | -         | -              | -                    | 10,8                     | 6,2 | -                          | 68,5       | 66,5 | 64   | 58   | 52   | -    | -    |     |
| -                         | 2CDX 200/30                  | 2,2  | -         | -              | -                    | 10,4                     | 6,0 | -                          | -          | 52   | 50,8 | 48,1 | 45,5 | 42,7 | 39,5 |     |
| -                         | 2CDX 200/40                  | 3,0  | -         | -              | -                    | 11,4                     | 6,6 | -                          | -          | 62,5 | 61,1 | 58   | 55,2 | 52,3 | 49   |     |
| -                         | 2CDX 200/50                  | 3,7  | -         | -              | -                    | 15                       | 8,7 | -                          | -          | 71,5 | 70,1 | 67   | 64,3 | 61,2 | 57,5 |     |

## PERFORMANCE CURVES series 2CDX 70 (according to ISO 9906 Annex A)



## PERFORMANCE CURVES 2CDX 120 series (according to ISO 9906 Annex A)



## PERFORMANCE CURVES 2CDX 200 series (according to ISO 9906 Annex A)

