



# Technical data

|           |           |
|-----------|-----------|
| Date      | 6/22/2022 |
| Offer N.  | ---       |
| Pump Type | CM50-250A |
|           |           |

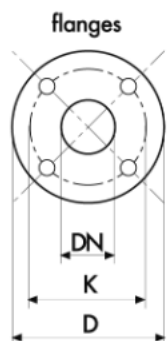
|        |                   |           |     |
|--------|-------------------|-----------|-----|
| Client | NTD Pumps Co.,LTD | Reference | --- |
|--------|-------------------|-----------|-----|

## Pump data

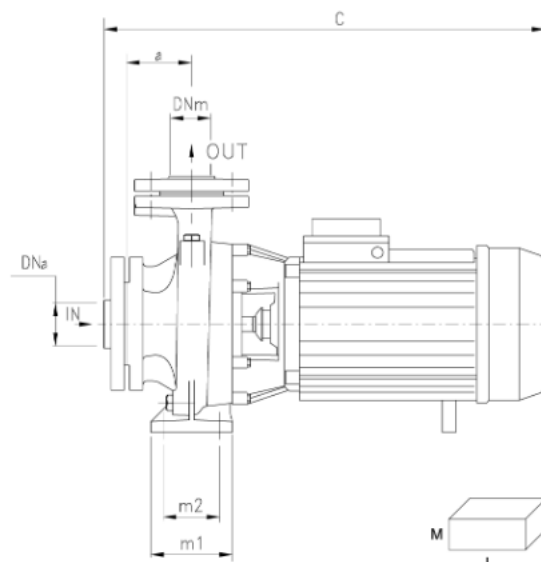
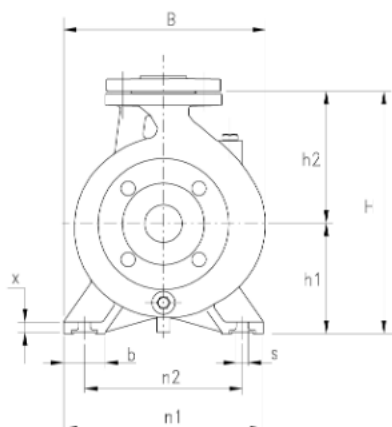
|                    |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pump body          | Cast iron GJL-250                                                  | Monobloc horizontal centrifugal pumps, constructed to EN 733 standards; widely used in water supplies, pressurisation and fire-fighting systems, cooling, heating, irrigation, industrial and agricultural applications. The pumps are equipped with cast iron impeller in standard configuration; on request, they are available with bronze or AISI 316 stainless steel impeller. Pumps are supplied with counter-flange. |
| Motor bracket      | Cast iron GJL-250                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Impeller           | Cast iron GJL-250<br>On request bronze or stainless steel AISI 316 |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mechanical seal    | Ceramic-Graphite                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Motor shaft        | Stainless steel AISI 304 EN X5CrNi18-10                            |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Liquid temperature | -10°C +90°C                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operating pressure | Max 10 bar                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                    |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                             |

| P2   |      | P1 (kW) |      | A      |        | Q (m3/h - l/min) |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|---------|------|--------|--------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (HP) | (kW) | 1~      | 3~   | 1x230V | 3x400V | 0                | 27   | 30   | 33   | 36   | 39   | 42   | 45   | 48   | 54   | 60   | 66   | 72   | 78   |
|      |      |         |      |        |        | 0                | 450  | 500  | 550  | 600  | 650  | 700  | 750  | 800  | 900  | 1000 | 1100 | 1200 | 1300 |
|      |      |         |      |        |        | H (m)            |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 30   | 22.5 | ---     | 24.8 | ---    | 40.9   | 88.5             | 88.3 | 88.1 | 87.7 | 87.2 | 86.6 | 85.8 | 84.8 | 83.8 | 81.4 | 78.5 | 75   | 70.2 | 64.8 |

## Technical Sheet



| DIMENSIONS (mm) |     |     |    |    |
|-----------------|-----|-----|----|----|
| DN              | D   | K   | n° | Ø  |
| 32              | 140 | 100 | 4  | 18 |
| 40              | 150 | 110 | 4  | 18 |
| 50              | 165 | 125 | 4  | 18 |
| 65              | 185 | 145 | 4  | 18 |
| 80              | 200 | 160 | 8  | 18 |
| 100             | 220 | 180 | 8  | 18 |
| 125             | 250 | 210 | 8  | 18 |



| DNA | DNM | DIMENSIONS (mm) |     |     |     |    |     |     |    |    |    |     |     |     |     |     |     | Kg  |
|-----|-----|-----------------|-----|-----|-----|----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
|     |     | a               | h1  | h2  | m1  | m2 | n1  | n2  | b  | x  | s  | C   | B   | H   | I   | L   | M   |     |
| 65  | 50  | 100             | 180 | 225 | 125 | 95 | 320 | 250 | 65 | 14 | 14 | 750 | 332 | 405 | 810 | 354 | 480 | 164 |

## Notes

The information may be subject to change without notice. It is always advisable to contact our commercial department in order to get further information about the products, their technical specifications and warranty conditions. The Company is expressly relieved of any liability for the purchasing of a product not in line with the customer's needs, if not consulted beforehand for a specific consultancy.

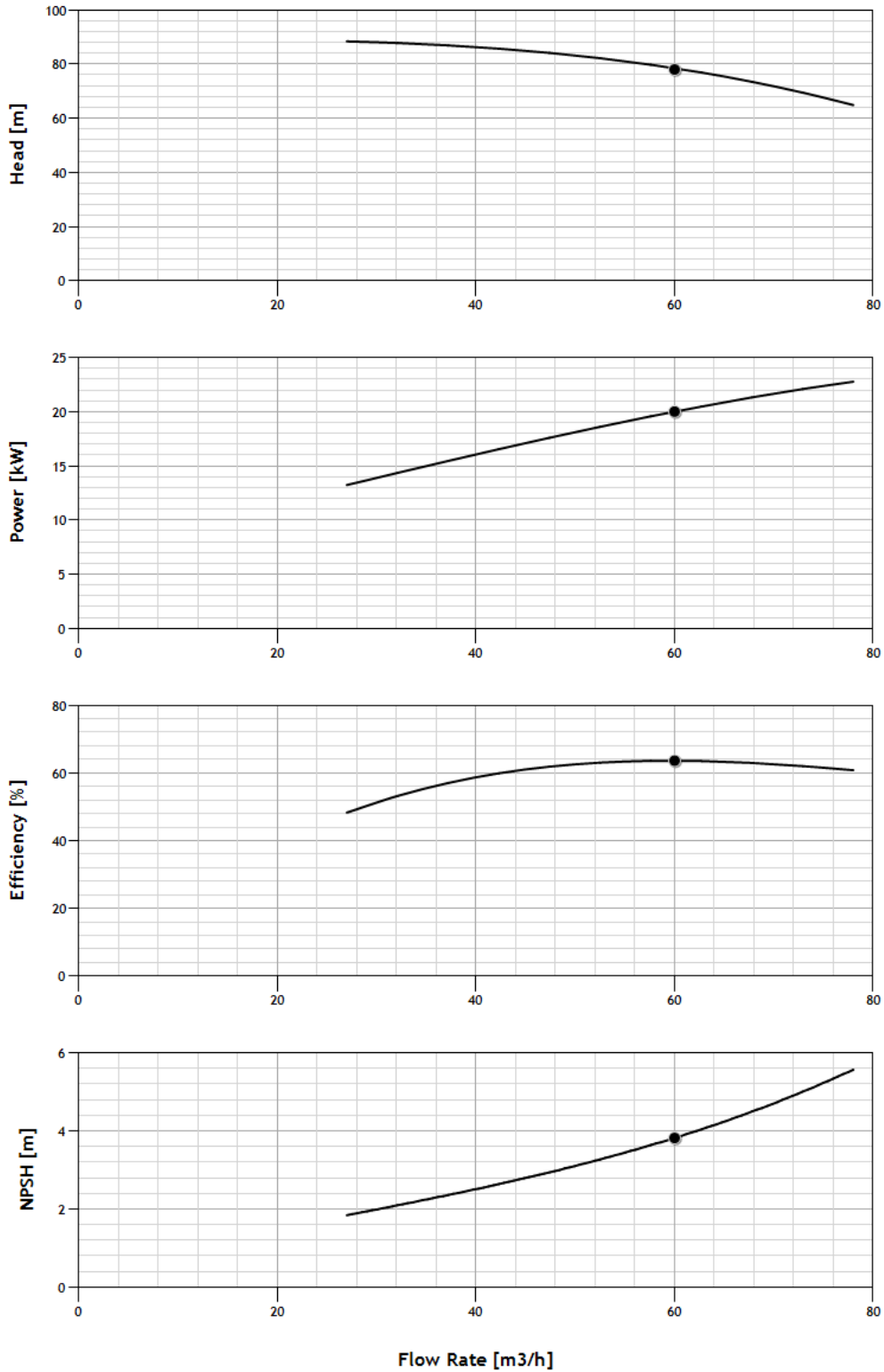


## Working Curves

Pump type: CM50-250A

|          |           |
|----------|-----------|
| Curv n°: | CM50-250A |
| Date:    | 6/22/2022 |
|          |           |

Q (m<sup>3</sup>/h) 60 | H (m) 78 | Power [kW] 20.01 | Efficiency % 63.62 | NPSH (m) 3.82



MEI ≥ 0,4 (regulation EU N. 547/2012)  
Tolerances according to UNI ISO 9906 grade 3B