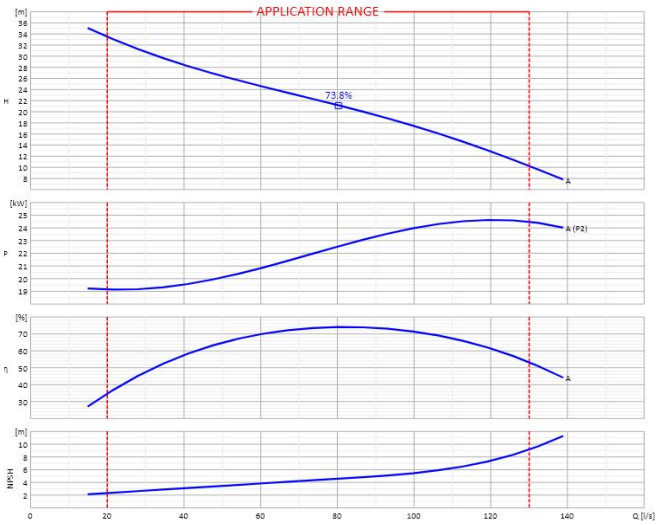
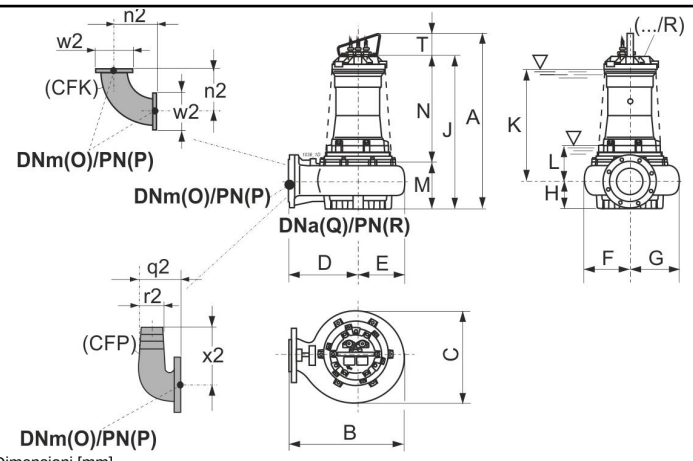
# caprari

# TECHNICAL DATA SHEET

PumpTutor NG NEXT GENERATION

| Customer: | | | | Ref.: | | | |
|---|---|---|---|---|---|---|---|
| Item | | Quantity | | Required flow rate | n.d. | Required head | n.d. |
| Type | SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER | | | Model | KCM150NA+025042N1 | | |




Dimensioni [mm]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | 1071 | J | 900 | Q | 150 | | |
| B | 658 | K | 650 | q2 | 315 | | |
| C | 508 | L | 120 | R | 16 | | |
| D | 405 | M | 265 | r2 | 150 | | |
| E | 253 | N | 635 | T | 171 | | |
| F | 230 | n2 | 395 | w2 | 285 | | |
| G | 278 | O | 150 | x2 | 380 | | |
| H | 160 | P | 16 | | | | |

## OPERATING DATA- ISO 9906:2012 3B -

| Q [l/s] | H [m] | P [kW] | η [%] | NPSH [m] |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

## CONSTRUCTION CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| Delivery diameter | | 150 | | mm |
| Type of Impeller | | Single channel | | |
| Moment of inertia | | 0.61304 Kgm² | | |
| Electric pump weight | Installation | 391 | | Kg |
| Seal on pump side | Motor side | Mechanical | | Mechanical |
| Type of installation | | n.d. | | |
| Operation | | Continuous (S1) | | |

## OPERATING LIMITS

| | | |
|---|---|---|
| Pumped liquid | Waste water | |
| Max. temperature of pumped liquid | 40 | °C |
| Maximum density | 1 | kg/dm³ |
| Maximum viscosity | 1 | mm²/s |
| Max. solid content | 4 | % |
| Max. number of starts/hr | 10 | |
| Free passage | 115 | mm |
| Minimum immersion depth | 650 | mm |

## OPERATING CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| Service flow rate | | n.d. | | n.d. |
| Service head | | n.d. | | n.d. |
| H (Q=0) | Hmax | 39.7 | 33.47 | m |
| Qmin | Qmax | 20 | 130 | l/s |
| Power consumption at duty point | | n.d. | | n.d. |
| Max power consumption | | 24.59 | | kW |
| Pump efficiency | Overall | n.d. | n.d. | n.d. |
| Sense of rotation (*) | | Clockwise | | |
| Number of pumps installed | | Operating | | Stand-by |
| | | 1 | | 0 |

## ELECTRIC PUMP MATERIALS

| | |
|---|---|
| Support bearing | Cast iron |
| Head cover | Cast iron |
| Cable clamp | Cast iron |
| Motor casing | Cast iron |
| Shaft | Stainless steel |
| Handle | Stainless steel |
| Conductivity probe | n.d. |
| Delivery body | Cast iron |
| Impeller | Cast iron |
| Oil box | Cast iron |
| Ring impeller seat | Steel/Rubber |
| Mechanical seal on pump side | Silicon carbide/silicon carbide |
| Mechanical seal on motor side | Stainless steel/graphite |
| Screws and nuts | Stainless steel |

## ELECTRIC MOTOR CHARACTERISTICS

| | | | | |
|---|---|---|---|---|
| Nominal power | | 25 | | kW |
| Rated frequency | | 50 | | Hz |
| Rated voltage | | 400 | | V |
| Rated current | | 48 | | A |
| No. Poles | Rotation speed | 4 | 1460 | 1/min |
| Type of motor | | 3 ~ | | |
| Efficiency 4/4 | | 87.0 % | | |
| Power factor 4/4 | | 0.860 | | |
| Is/In | Ts/Tn | 8.7 | | n.d. |
| Thermal protection | | Klixon | | |
| Insulation class | | F | | |
| Protection class | | IP68 | | |
| Explosion-proof | | n.a. | | |
| Power supply cable | Length | NSSHO | 10 | m |
| Efficiency class | S.F | | | n.d. |

**Notes:** (*) Viewed from motor coupling side

| OFFER No. | Pos. | Date 14/01/2020 |
|---|---|---|

T400IT-V01