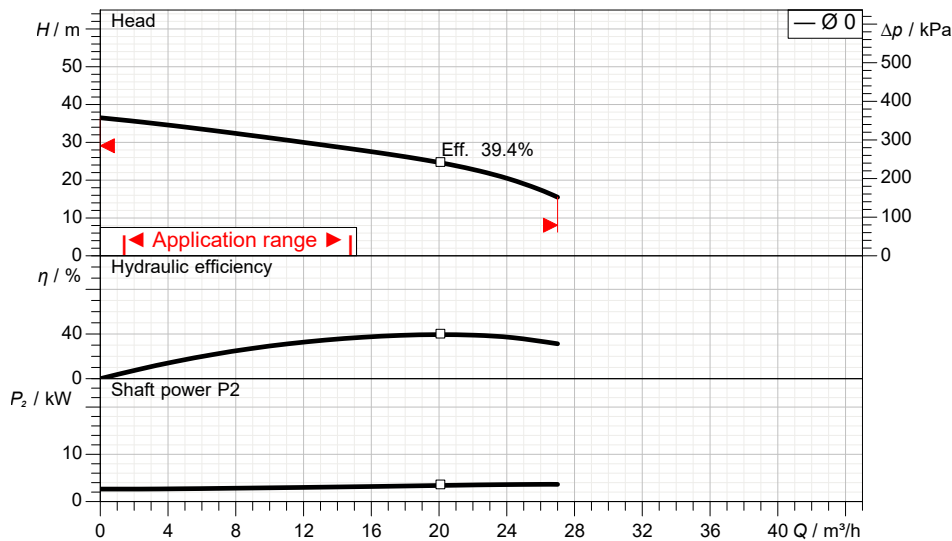


**KTZ23.7-54 380-415V**
**Technical specification**
**3~ 50 Hz**

**Pump**

|           |                     |
|-----------|---------------------|
| Series    | KTZ                 |
| Pump name | KTZ23.7-54 380-415V |
| Standard  |                     |

**Motor data**

|                 |                         |
|-----------------|-------------------------|
| Motor           | JT1-2-3.7-KZI 400V D UL |
| Rated voltage   | 380 V                   |
| Frequency       | 50 Hz                   |
| Motor phases    | 3~                      |
| Number of poles | 2                       |
| Rated power P2  | 3.7 kW                  |
| Rated current   | 8.4 A                   |
| rpm             | 2888 1/min              |
| Rated torque    | 12.2 Nm                 |
| Start*          | Direct starting         |

|                      |                  |
|----------------------|------------------|
| Degree of protection | IP 68            |
| Insulation class     | F                |
| Protection device    |                  |
| Type of oil          | Turbine oil VG32 |
| Oil amount           | 1.25 l           |

**Hydraulic**

|                           |                      |
|---------------------------|----------------------|
| Free passage              |                      |
| Impeller type             | Semi-open impeller   |
| Max. hydraulic efficiency | 39.4 %               |
| Discharge                 | 50 mm                |
| Curve tolerance           | UNI EN ISO 9906:2012 |

**Operating limits (standard pumps)**

|                                           |            |
|-------------------------------------------|------------|
| Max. liquid temperature                   | 40 °C      |
| Max. density treated liquid               | 1030 kg/m³ |
| pH treated liquid                         | 5-9        |
| Max. start per hour (equally distributed) | 10         |
| Wet/dry use                               | WET        |
| Operating mode                            | S1         |

**Construction materials**

|                 |                          |
|-----------------|--------------------------|
| Motor enclosure | Gray Iron Casting 150    |
| Shaft           | 420J2 Stainless Steel    |
| Pump Casing     | Gray Iron Casting 200    |
| Impeller        | High chromium casting    |
| Suction Cover   | Ductile Iron Casting 500 |
| Suction plate   | N/A                      |
| Painting        | -                        |
| Screws          | 304 Stainless Steel      |
| Gaskets         | NBR                      |

**Construction features**

|                  |         |
|------------------|---------|
| Power cable1     | 4C*2mm2 |
| Power cable2     | N/A     |
| Sheath           | 2PNCT.F |
| Control cable    | N/A     |
| Sheath           | N/A     |
| Cable length*    | 8 m     |
| Mechanical seals | H-25T   |
| Weight**         | 60 kg   |

\* Please inquire about cable extensions

\*\* cable's weight not included

**Monitoring features**

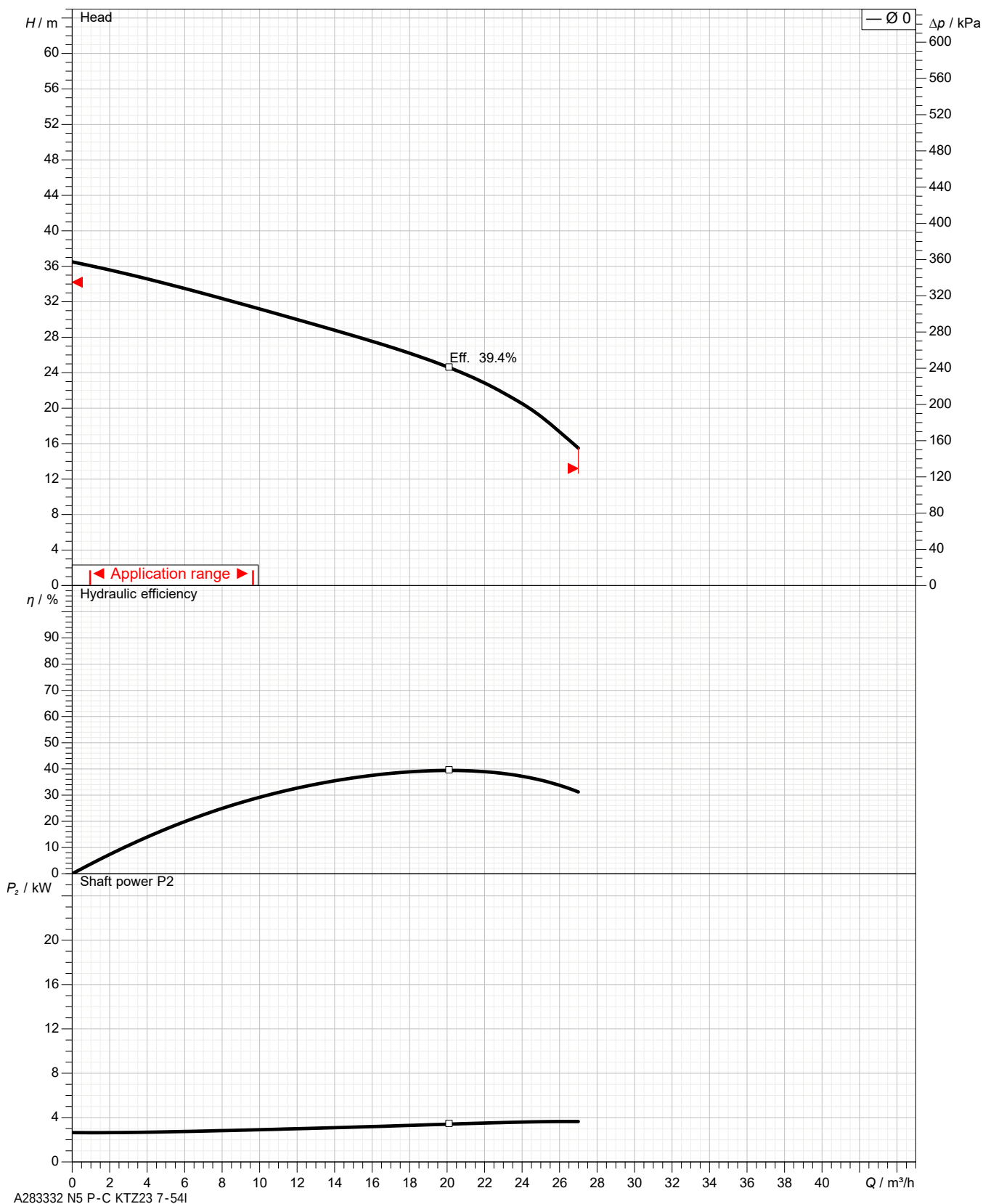
|                        |  |
|------------------------|--|
| Monitoring option      |  |
| leaking sensor -       |  |
| monitoring equipment - |  |

# KTZ23.7-54 380-415V

## Pump performance curves

3 ~ 50 Hz

| Discharge | Head | Capacity | Rated power | Voltage | Current | rpm        |
|-----------|------|----------|-------------|---------|---------|------------|
| 50 mm     |      |          | 3.7 kW      | 380 V   | 8.4 A   | 2888 1/min |



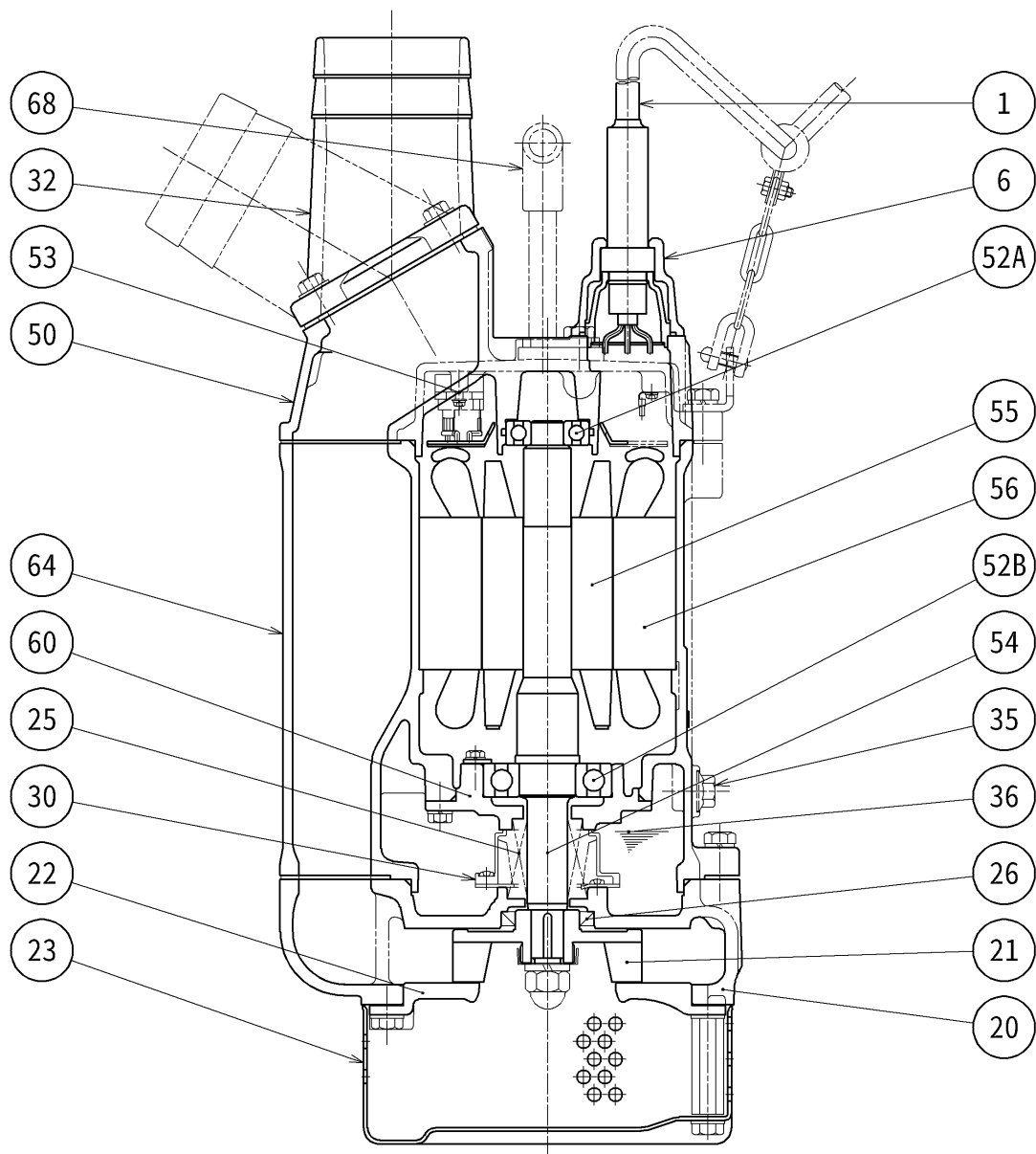
Characteristic curves according to UNI EN ISO 9906:2012 for pumps with standard material combination  
P2<10kW: paragraph 4.4.2, 10kW<P2<100kW: Grade 3B, P2>100kW: Grade 2B  
Pump performance is based on tests conducted with clean water at 20 °C.

A283332\_N5\_P-C\_KTZ23.7-54I

Created on: 2026-06-23

All data shown are not binding. Tsurumi reserves the right to change data and dimensions without notice.

|                   |                             |       |                 |
|-------------------|-----------------------------|-------|-----------------|
| SECTIONAL DRAWING |                             | No.   | No. A-28342-25X |
| TYPE              | Submersible Dewatering Pump | MODEL | KTZ23.7 -54     |



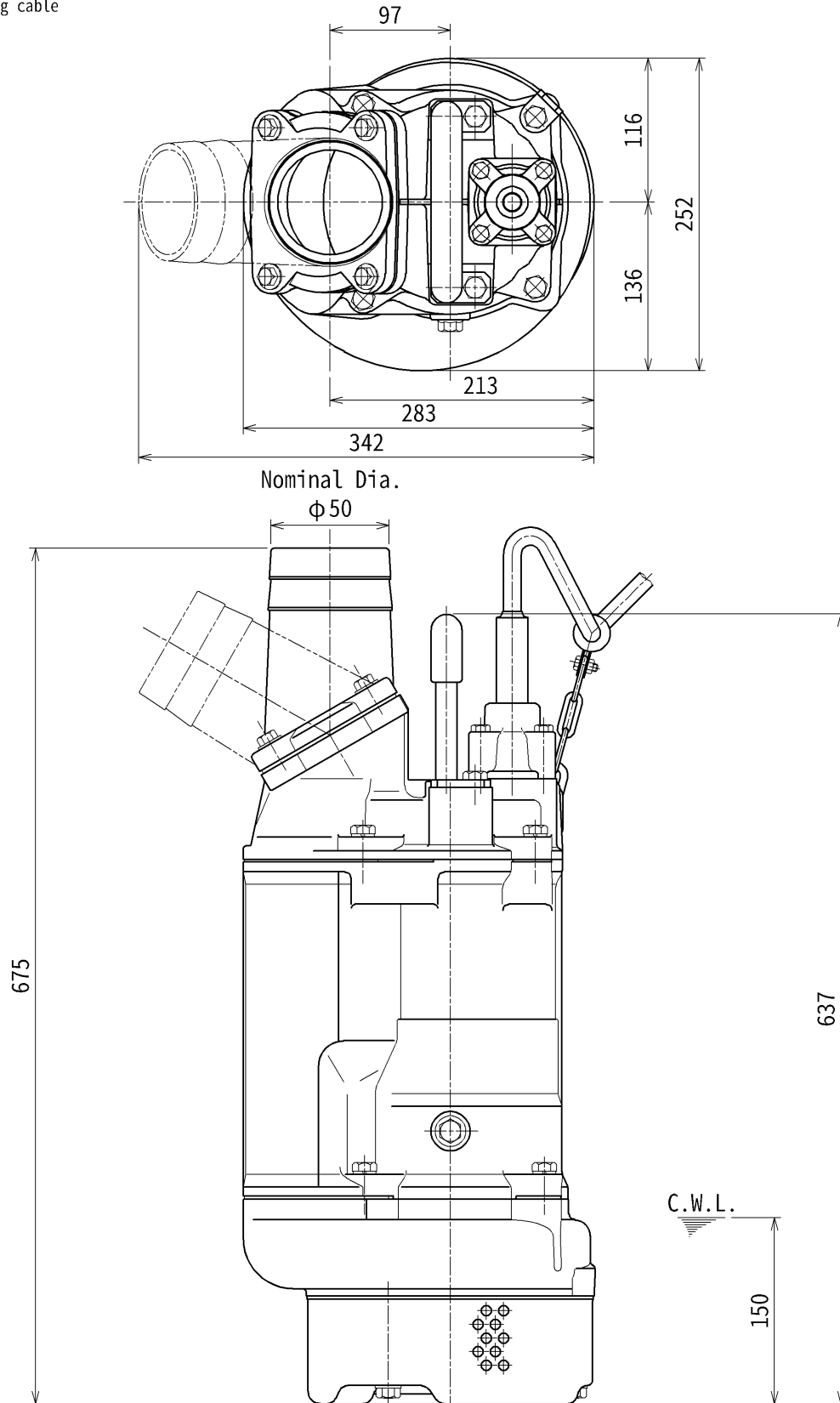
# REQ. SPECIFICATION

| No. | DESCRIPTION     | Q'TY | MATERIAL / NOTE          | No. | DESCRIPTION     | Q'TY | MATERIAL / NOTE                     |
|-----|-----------------|------|--------------------------|-----|-----------------|------|-------------------------------------|
| 1   | Cabtyre Cable   | 1    | Chloroprene Sheath       | 50  | Motor Bracket   | 1    | Gray Iron Casting 200               |
| 6   | Stuffing Box    | 1    | Gray Iron Casting 200    | 52A | Upper Bearing   | 1    | 6304ZZC3                            |
| 20  | Pump Casing     | 1    | Gray Iron Casting 200    | 52B | Lower Bearing   | 1    | 6307ZZC3                            |
| 21  | Impeller        | 1    | Chromium Iron Casting    | 53  | Motor Protector | 1    |                                     |
| 22  | Suction Cover   | 1    | Ductile Iron Casting 500 | 54  | Shaft           | 1    | 420J2 Stainless Steel               |
| 23  | Strainer Stand  | 1    | Steel Sheet              | 55  | Rotor           | 1    |                                     |
| 25  | Mechanical Seal | 1    | H-25T                    | 56  | Stator          | 1    |                                     |
| 26  | Oil Seal        | 1    | TC40588                  | 60  | Bearing Housing | 1    | Gray Iron Casting 150               |
| 30  | Oil Lifter      | 1    | Plastic                  | 64  | Motor Frame     | 1    | Gray Iron Casting 150               |
| 32  | Hose Coupling   | 1    | Aluminium Die Casting 12 | 68  | Handle          | 1    | Carbon Steel Pipe & Structure Steel |
| 35  | Oil Plug        | 1    | 304 Stainless Steel      |     |                 |      |                                     |
| 36  | Lubricant       |      | Turbine Oil(ISO VG32)    |     |                 |      |                                     |

|                   |                             |     |       |             |             |
|-------------------|-----------------------------|-----|-------|-------------|-------------|
| DIMENSION DRAWING |                             | No. |       | No.         | A-28340-25X |
| TYPE              | Submersible Dewatering Pump |     | MODEL | KTZ23.7 -54 |             |

|                       |
|-----------------------|
| Approximate Weight(※) |
| 60kg                  |

※excluding cable



C.W.L.:Continuous running Water Level

TSURUMI MFG. CO., LTD.

unit:mm

Created on: 2026-06-23