

## PWH Series (PPG)

### High Lift Head, Heavy Duty Magnetic Drive Pumps

- Constructed with durable PPG wetted-end material for reliable chemical handling.
- Adaptable with standard IEC and NEMA motors.
- Available with flange connections.

**Materials in Contact** : PPG  
**Max Flow** : 900 L/min  
**Max Head** : 48 m  
**Liquid Temp.** : 0°C~70°C  
**Specific Gravity Limit** : Up to approx. 1.5  
**Motor Power** : 2.2 kW to 7.5 kW

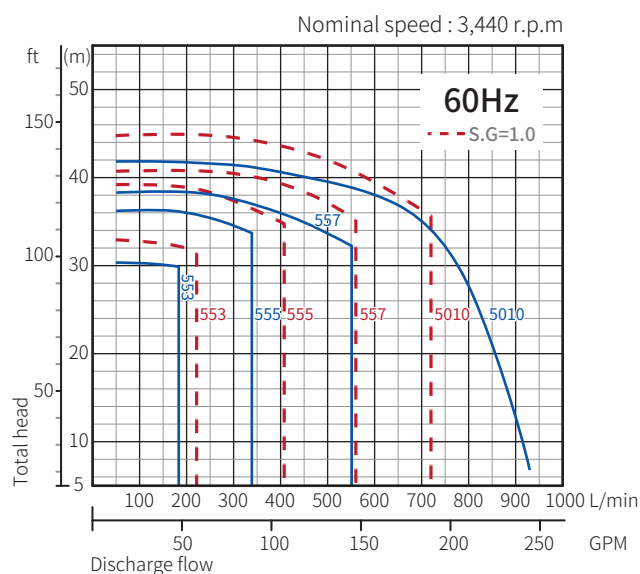
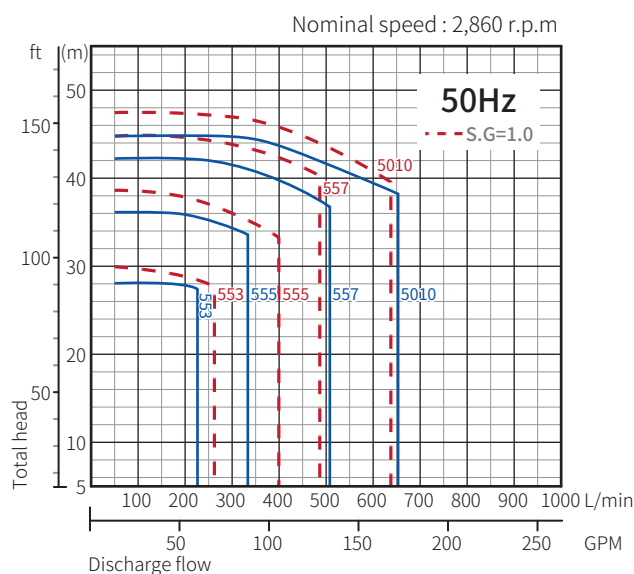


### Type indication

**N H - 5 5 3 P W H - C V - L - 2 2 C**  
 ①                      ②                      ③                      ④                      ⑤                      ⑥                      ⑦

- |         |          |                                                      |                                |                                                  |                                                          |                                                                 |
|---------|----------|------------------------------------------------------|--------------------------------|--------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|
| ① Model | ② Series | ③ Bearing                                            | ④ O. Ring                      | ⑤ Impeller size                                  | ⑥ Motor output                                           | ⑦ Required motor                                                |
|         |          | C : Carbon<br>R : Rulon<br>A : Oxide Alumina ceramic | V : FKM<br>N : NBR<br>E : EPDM | S S.G=1.0<br>L S.G=1.1<br>M S.G=1.3<br>H S.G=1.5 | 22 : 2.2 kW<br>37 : 3.7 kW<br>55 : 5.5 kW<br>75 : 7.5 kW | Without Indoor use<br>With B Explosion proof<br>C Weather proof |

### Pump performance curve



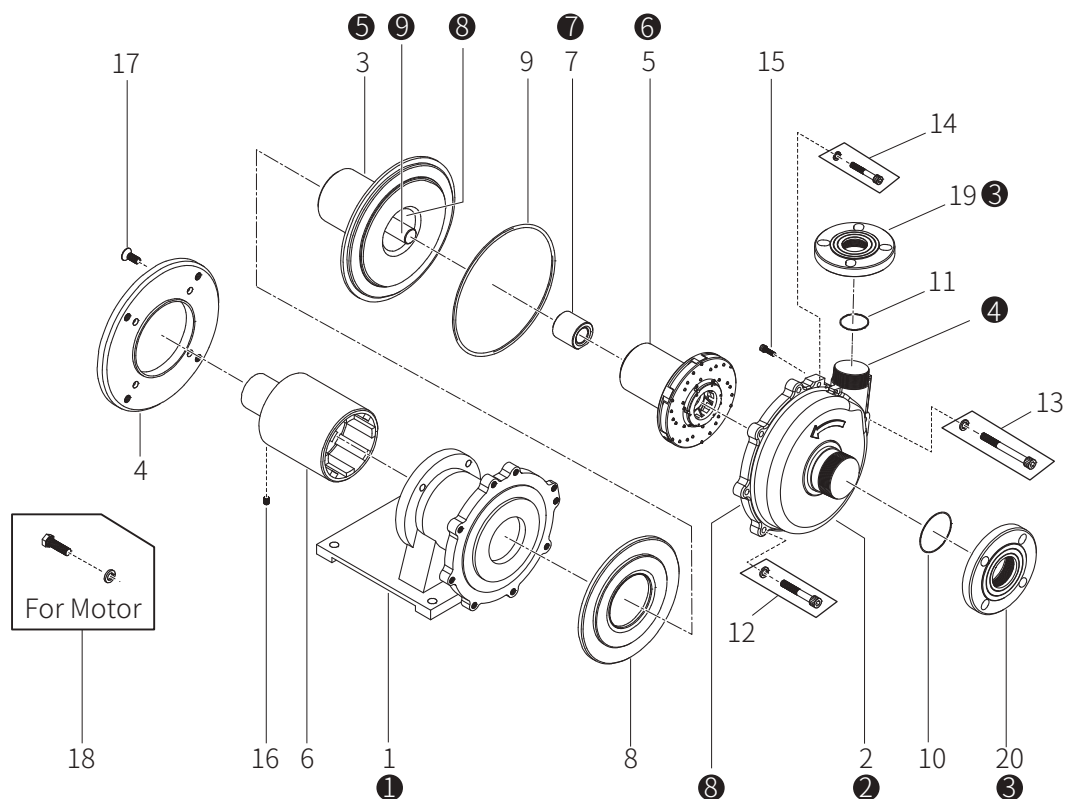
### Specification table

| Model      | Flange size |            | Pump performance at specified point (m-L/min) |            |            | Applicable Motor output (kW) | Net weight w/t motor (kg) |
|------------|-------------|------------|-----------------------------------------------|------------|------------|------------------------------|---------------------------|
|            | Inlet(mm)   | Outlet(mm) | Specific Gravity                              | 50Hz       | 60Hz       |                              |                           |
| NH-553PWH  | 65          | 50         | 1.0                                           | 29.0 - 200 | 32.0 - 200 | 2.2                          | 74                        |
|            |             |            | 1.1                                           | 27.9 - 200 | 30.0 - 150 |                              |                           |
|            |             |            | 1.3                                           | 23.9 - 200 | 27.0 - 150 |                              |                           |
|            |             |            | 1.5                                           | 21.4 - 200 | 24.5 - 130 |                              |                           |
| NH-555PWH  | 65          | 50         | 1.0                                           | 32.0 - 400 | 35.0 - 400 | 3.7                          | 87                        |
|            |             |            | 1.1                                           | 34.0 - 300 | 34.5 - 300 |                              |                           |
|            |             |            | 1.3                                           | 31.0 - 300 | 30.5 - 300 |                              |                           |
|            |             |            | 1.5                                           | 28.0 - 300 | 28.0 - 300 |                              |                           |
| NH-557PWH  | 65          | 50         | 1.0                                           | 40.0 - 500 | 36.5 - 500 | 5.5                          | 120                       |
|            |             |            | 1.1                                           | 37.1 - 500 | 33.6 - 500 |                              |                           |
|            |             |            | 1.3                                           | 33.2 - 500 | 29.6 - 500 |                              |                           |
|            |             |            | 1.5                                           | 29.6 - 500 | 26.1 - 500 |                              |                           |
| NH-5010PWH | 65          | 50         | 1.0                                           | 41.2 - 600 | 36.6 - 700 | 7.5                          | 132                       |
|            |             |            | 1.1                                           | 39.0 - 600 | 35.1 - 700 |                              |                           |
|            |             |            | 1.3                                           | 35.0 - 600 | 30.7 - 700 |                              |                           |
|            |             |            | 1.5                                           | 32.0 - 600 | 29.0 - 600 |                              |                           |



# PWH / PWH-F Series

## Parts List

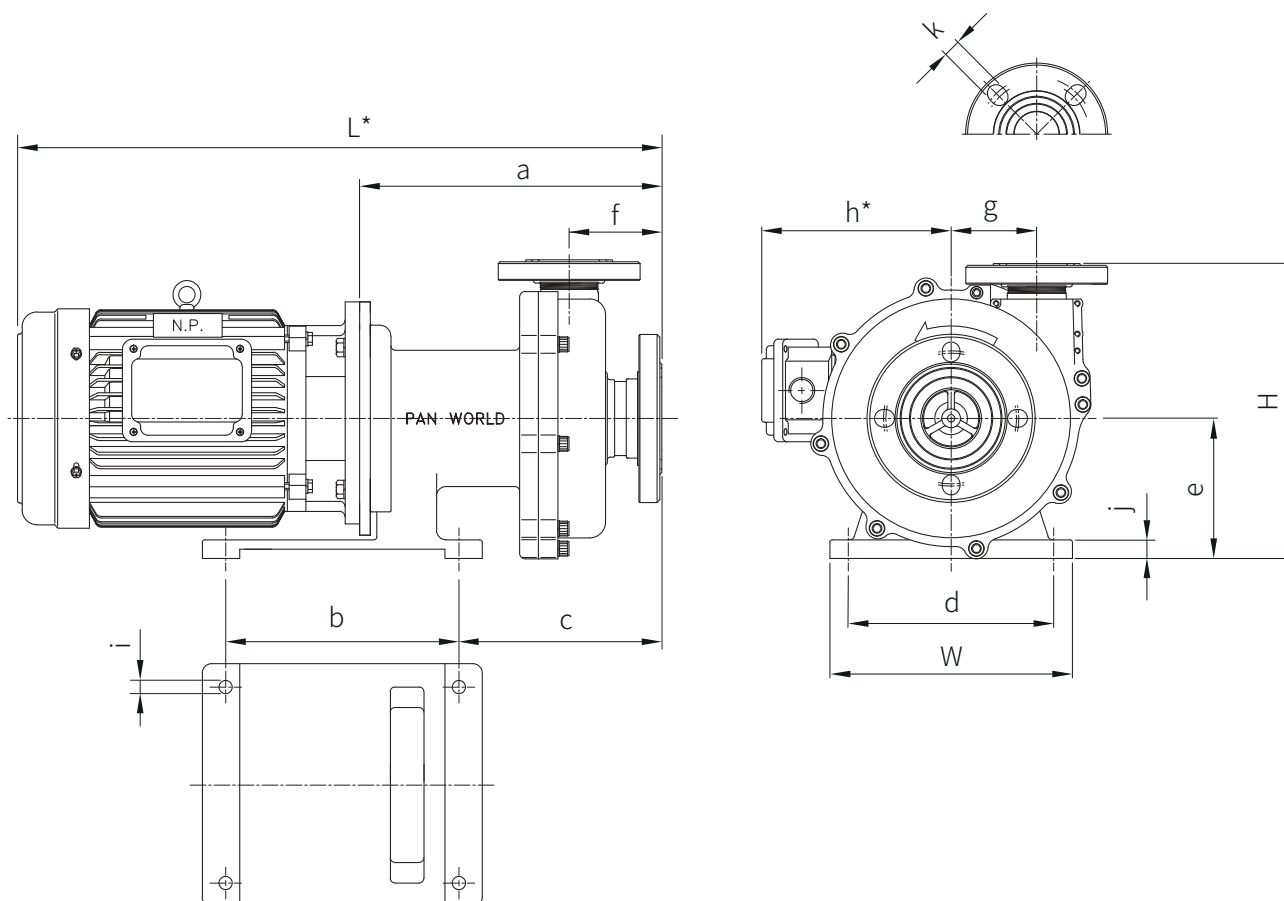


| Position | Description             |
|----------|-------------------------|
| 1        | Bracket                 |
| 2        | Front casing + cover AB |
| 3        | Rear casing             |
| 4        | Transition flange       |
| 5        | Impeller ass'y          |
| 6        | Outer drive ring        |
| 7        | Bearing ass'y           |
| 8        | Back up ring            |
| 9        | O. Ring                 |
| 10       | O. Ring                 |

| Position | Description                                       |
|----------|---------------------------------------------------|
| 11       | O. Ring                                           |
| 12       | Hexagon socket bolt w/t spring washer M10x40 (x6) |
| 13       | Hexagon socket bolt w/t spring washer M10x60 (x2) |
| 14       | Hexagon socket bolt w/t spring washer M8x40 (x1)  |
| 15       | Hexagon socket bolt M6x16 (x4)                    |
| 16       | Set screw M8x10 (x2)                              |
| 17       | Counter sunk head bolt M10x20 (x4)                |
| 18       | Hexagon head bolt w/t spring washer M12x30 (x4)   |
| 19       | Flange (50mm)                                     |
| 20       | Flange (65mm)                                     |

| Part name        | PWH series  |       |         |     | PWH-F series |       |         |     |
|------------------|-------------|-------|---------|-----|--------------|-------|---------|-----|
|                  | CV          | RV    | AV      | Si  | FV           | RV    | AV      | Si  |
| ① Bracket        | FC-200      |       |         |     |              |       |         |     |
| ② Cover A & B    |             |       |         |     |              |       |         |     |
| ③ Flange         | PPG         |       |         |     | ETFE         |       |         |     |
| ④ Front casing   |             |       |         |     |              |       |         |     |
| ⑤ Rear casing    |             |       |         |     |              |       |         |     |
| ⑥ Impeller Ass'y |             |       |         |     |              |       |         |     |
| ⑦ Bearing        | H.D. Carbon | Rulon | Ceramic | Sic | H.D. Carbon  | Rulon | Ceramic | Sic |
| ⑧ Thrust pad     | Ceramic     |       |         |     | Ceramic      |       |         |     |
| ⑨ Spindle        |             |       |         |     |              |       |         |     |

## ■ Installation dimension



| Model              | W   | H   | L*  | a   | b   | c   | d   | e   | f   | g    | h*    | i  | j  | k  |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|----|----|----|
| NH-553PWH / PWH-F  | 260 | 316 | 596 | 313 | 250 | 218 | 210 | 150 | 100 | 91.7 | 170   | 14 | 20 | 19 |
| NH-555PWH / PWH-F  | 260 | 316 | 690 | 325 | 250 | 218 | 210 | 150 | 100 | 91.7 | 203   | 14 | 20 | 19 |
| NH-557PWH / PWH-F  | 260 | 366 | 710 | 345 | 270 | 218 | 210 | 200 | 100 | 91.7 | (246) | 14 | 20 | 19 |
| NH-5010PWH / PWH-F | 260 | 366 | 719 | 345 | 270 | 218 | 210 | 200 | 100 | 91.7 | (246) | 14 | 20 | 19 |

Remarks :

1. This size in the table is shown with JIS motor.
2. Over all size & construction may be changed without notice.
3. \* Depending on type of motor used.

Unit : mm