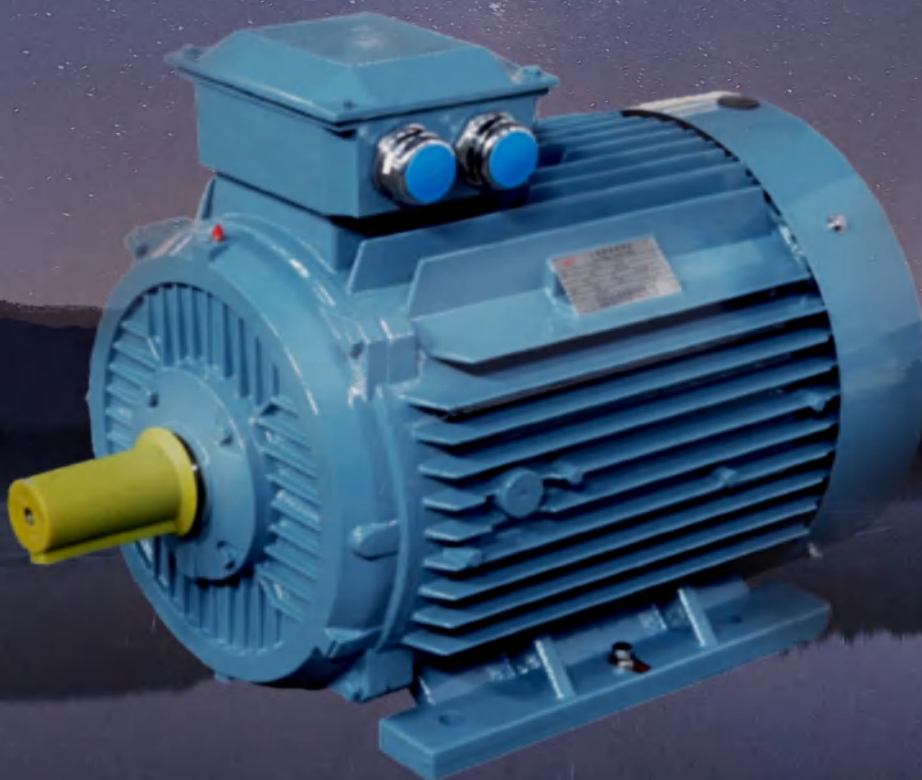


**StellarSpace**

**Permanent magnet  
Synchronous Motor**

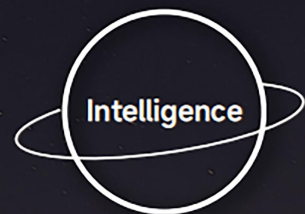
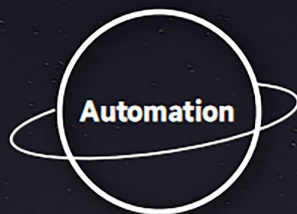




# About StellarSpace

Since its inception, StellarSpace focus on general industrial areas, including automation, digitalization, and intelligence in the industrial sector.

We have variable cutting edge technologies covering hundreds of hardware products and software products, as well as multiple industrial solutions. We built leading level R&D capability for industrial automation products, including Program mable Logic Controllers (PLC), Drives, Motors, etc. We also produce other general industrial products. These solutions are extensively applied across light industry, heavy industry, high-end equipment manufacturing, and other applications. Our customer can be benifit from our smart, precise, and high efficiency industrail solutions, driving intelligent manufacturing while empowering industrial digital and intelligent transformation.





# Technology highlights



## Higher Energy Efficiency

Compliant with GB Level 1 efficiency standards and featuring a permanent magnet synchronous design, it delivers up to 30% more efficient operation than traditional asynchronous motors—especially in variable.



## More Compact Design

Over 30% smaller in size compared to conventional asynchronous motors, reducing machine footprint and maximizing space utilization —ideal for compact installations.



## Lighter Weight

At least 30% lighter than standard asynchronous models,making installation easier and cutting transportation costs. Particularly beneficial for applications where the motor moves with the system,enhancing overall motion efficiency.



## Smarter, Safer Operation

Supports intelligent protection features such as AI-enhanced thermal protection, enabling adaptive performance based on real-time operating conditions. In abnormal scenarios, the system responds immediately to ensure safety and stability.

# Typical industries and applications



Healthcare



Printing



Wind turbine



Food and beverage



Metal



Automotive



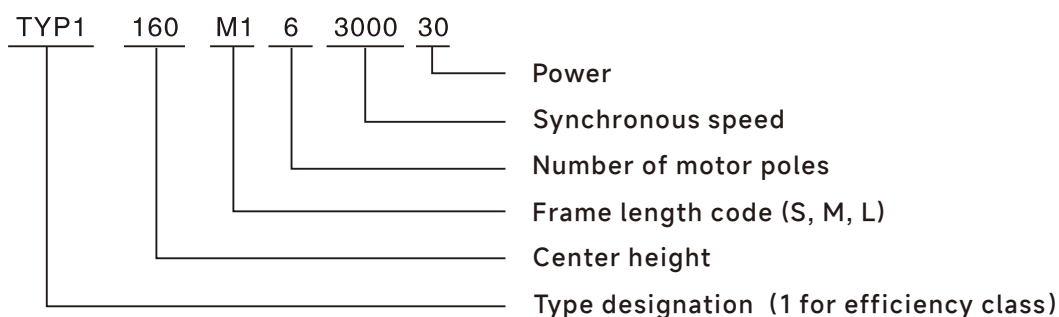
Water and wastewater



Logistics

# Ordering information

## Ordering information



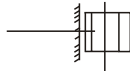
## Mounting arrangements

- ◆ B3: Foot-mounted
- ◆ B5: Flange-mounted, flange with through holes
- ◆ B35: Foot- and flange-mounted, flange with through holes
- ◆ B34: Foot- and flange-mounted, flange with threaded holes
- ◆ B14: Flange-mounted, flange with threaded holes

### Compliant with IEC 60034-7

|                       |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Mounting arrangements | B3                                                                                  |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
| Positioning           | B3                                                                                  | B6                                                                                  | B7                                                                                  | B8                                                                                    | V5                                                                                    | V6                                                                                    |
| Diagram               |  |  |  |  |  |  |
| Center height         | 80-355                                                                              | 80-160                                                                              |                                                                                     |                                                                                       |                                                                                       |                                                                                       |

|                       |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Mounting arrangements | B5                                                                                  |                                                                                     |                                                                                     | B35                                                                                   |                                                                                       |                                                                                       |
| Positioning           | B5                                                                                  | V1                                                                                  | V3                                                                                  | B35                                                                                   | V15                                                                                   | V36                                                                                   |
| Diagram               |  |  |  |  |  |  |
| Center height         | 80-280                                                                              | 80-355                                                                              | 80-160                                                                              | 80-355                                                                                | 80-160                                                                                |                                                                                       |

|                       |                                                                                     |  |                                                                                      |                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Mounting arrangements | Flange-mounted, small flange                                                        |  |                                                                                      |                                                                                       |
| Positioning           | B14                                                                                 |  | B34                                                                                  | V18                                                                                   |
| Diagram               |  |  |  |  |
| Center height         | 80-112                                                                              |  |                                                                                      |                                                                                       |



# Configuration Information

## Bearing type

| Motor size | D-end       |         | N-end       |         |
|------------|-------------|---------|-------------|---------|
|            | 2P          | 4/6/8P  | 2P          | 4/6/8P  |
| H80        | 6204-2RS/C3 |         | 6204-2RS/C3 |         |
| 90         | 6205-2RS/C3 |         | 6205-2RS/C3 |         |
| 100        | 6206-2RS/C3 |         | 6206-2RS/C3 |         |
| 112        | 6206-2RS/C3 |         | 6206-2RS/C3 |         |
| 132        | 6208-2RS/C3 |         | 6208-2RS/C3 |         |
| 160        | 6309/C3     |         | 6309/C3     |         |
| 180        | 6311/C3     |         | 6311/C3     |         |
| 200        | 6312/C3     |         | 6312/C3     |         |
| 225        | 6312/C3     | 6313/C3 | 6312/C3     | 6313/C3 |
| 250        | 6314/C3     |         | 6314/C3     |         |
| 280        | 6316/C3     |         | 6316/C3     |         |
| 315        | 6316/C3     | 6319/C3 | 6316/C3     | 6319/C3 |
| 355        | 6319/C3     | 6322/C3 | 6319/C3     |         |

## Terminal box

| Motor size    | Size of threads |             |           |
|---------------|-----------------|-------------|-----------|
|               | Main            |             | Auxiliary |
|               | Standard        | Nonstandard |           |
| TYP1-80-90    | M24×1.5         | M25×1.5     |           |
| TYP1-100      | M24×1.5         | M32×1.5     |           |
| TYP1-112-132  | 2-M30×2         | 2-M32×1.5   |           |
| TYP1-160-180  | 2-M36×2         | 2-M40×1.5   | M16×1.5   |
| TYP1-200-225  | 2-M48×2         | 2-M50×1.5   | M16×1.5   |
| TYP1-250-280  | 2-M64×2         | 2-M63×1.5   | M20×1.5   |
| TYP1-315      | 2-M64×2         | 2-M63×1.5   | M20×1.5   |
| TYP1-315(M、L) | 2-M72×2         | 2-M63×1.5   | M20×1.5   |
| TYP1-355(1、2) | 2-M72×2         | 2-M72×2     | M20×1.5   |

# Technical specifications

## Permanent magnet synchronous motor 3000r/min

| Type              | Power (kw) | Rated current (A) | Rated frequency (Hz) | Rated speed (r/min) | Efficiency (%) | Power factor | Rated torque (N.m) | Break-down torque | Cooling method |
|-------------------|------------|-------------------|----------------------|---------------------|----------------|--------------|--------------------|-------------------|----------------|
| TYP1-90S-6-3000   | 1.5        | 2.6               | 150                  | 3000                | 90.9           | 0.95         | 4.8                | 1.8               | IC411          |
| TYP1-90L-6-3000   | 2.2        | 3.8               | 150                  | 3000                | 91.8           | 0.95         | 7.0                | 1.8               | IC411          |
| TYP1-100L-6-3000  | 3          | 5.2               | 150                  | 3000                | 92.6           | 0.95         | 9.6                | 1.8               | IC411          |
| TYP1-112M-6-3000  | 4          | 6.8               | 150                  | 3000                | 93.3           | 0.95         | 12.7               | 1.8               | IC411          |
| TYP1-132S1-6-3000 | 5.5        | 9.3               | 150                  | 3000                | 94.5           | 0.95         | 17.5               | 1.8               | IC411          |
| TYP1-132S2-6-3000 | 7.5        | 12.7              | 150                  | 3000                | 94.5           | 0.95         | 23.9               | 1.8               | IC411          |
| TYP1-160M1-6-3000 | 11         | 18.5              | 150                  | 3000                | 95.0           | 0.95         | 35.0               | 1.8               | IC411          |
| TYP1-160M2-6-3000 | 15         | 25.1              | 150                  | 3000                | 95.3           | 0.95         | 47.8               | 1.8               | IC411          |
| TYP1-160L-6-3000  | 18.5       | 30.9              | 150                  | 3000                | 95.6           | 0.95         | 58.9               | 1.8               | IC411          |
| TYP1-180M-6-3000  | 22         | 36.6              | 150                  | 3000                | 95.9           | 0.95         | 70.0               | 1.8               | IC411          |
| TYP1-200L1-6-3000 | 30         | 49.8              | 150                  | 3000                | 96.1           | 0.95         | 95.5               | 1.8               | IC411          |
| TYP1-200L2-6-3000 | 37         | 61.3              | 150                  | 3000                | 96.3           | 0.95         | 117.8              | 1.8               | IC411          |
| TYP1-225M-6-3000  | 45         | 74.5              | 150                  | 3000                | 96.4           | 0.95         | 143.3              | 1.8               | IC411          |
| TYP1-250M-6-3000  | 55         | 90.9              | 150                  | 3000                | 96.5           | 0.95         | 175.1              | 1.8               | IC411          |
| TYP1-280S-6-3000  | 75         | 123.8             | 150                  | 3000                | 96.6           | 0.95         | 238.8              | 1.8               | IC411          |
| TYP1-280M-6-3000  | 90         | 148.4             | 150                  | 3000                | 96.7           | 0.95         | 286.5              | 1.8               | IC411          |
| TYP1-315S-6-3000  | 110        | 181.2             | 150                  | 3000                | 96.8           | 0.95         | 350.2              | 1.8               | IC411          |
| TYP1-315M-6-3000  | 132        | 217.3             | 150                  | 3000                | 96.9           | 0.95         | 420.2              | 1.8               | IC411          |
| TYP1-315L1-6-3000 | 160        | 263.1             | 150                  | 3000                | 97.0           | 0.95         | 509.3              | 1.8               | IC411          |
| TYP1-315L2-6-3000 | 200        | 328.2             | 150                  | 3000                | 97.2           | 0.95         | 636.7              | 1.8               | IC411          |
| TYP1-355M-6-3000  | 250        | 410.2             | 150                  | 3000                | 97.2           | 0.95         | 795.8              | 1.8               | IC411          |
| TYP1-355L-6-3000  | 315        | 516.9             | 150                  | 3000                | 97.2           | 0.95         | 1002.8             | 1.8               | IC411          |



# Technical specifications

## Permanent magnet synchronous motor 1500r/min

| Type              | Power (kw) | Rated current (A) | Rated frequency (Hz) | Rated speed (r/min) | Efficiency (%) | Power factor | Rated torque (N.m) | Break-down torque | Cooling method |
|-------------------|------------|-------------------|----------------------|---------------------|----------------|--------------|--------------------|-------------------|----------------|
| TYP1-80M1-8-1500  | 0.55       | 1.0               | 100                  | 1500                | 85.6           | 0.95         | 3.5                | 1.8               | IC411          |
| TYP1-80M2-8-1500  | 0.75       | 1.4               | 100                  | 1500                | 85.6           | 0.95         | 4.8                | 1.8               | IC411          |
| TYP1-90S-8-1500   | 1.1        | 2.0               | 100                  | 1500                | 87.4           | 0.95         | 7.0                | 1.8               | IC411          |
| TYP1-90L-8-1500   | 1.5        | 2.7               | 100                  | 1500                | 88.1           | 0.95         | 9.6                | 1.8               | Ic411          |
| TYP1-100L1-8-1500 | 2.2        | 3.9               | 100                  | 1500                | 89.7           | 0.95         | 14.0               | 1.8               | IC411          |
| TYP1-100L1-8-1500 | 3          | 5.3               | 100                  | 1500                | 90.3           | 0.95         | 19.1               | 1.8               | IC411          |
| TYP1-112M-8-1500  | 4          | 7.0               | 100                  | 1500                | 90.9           | 0.95         | 25.5               | 1.8               | IC411          |
| TYP1-132S-8-1500  | 5.5        | 9.5               | 100                  | 1500                | 92.1           | 0.95         | 35.0               | 1.8               | IC411          |
| TYP1-132M-8-1500  | 7.5        | 12.9              | 100                  | 1500                | 92.6           | 0.95         | 47.8               | 1.8               | IC411          |
| TYP1-160M-8-1500  | 11         | 18.7              | 100                  | 1500                | 93.6           | 0.95         | 70.0               | 1.8               | IC411          |
| TYP1-160L-8-1500  | 15         | 25.5              | 100                  | 1500                | 94.0           | 0.95         | 95.5               | 1.8               | IC411          |
| TYP1-180M-8-1500  | 18.5       | 31.3              | 100                  | 1500                | 94.3           | 0.95         | 117.8              | 1.8               | IC411          |
| TYP2-180L-8-1500  | 22         | 37.1              | 100                  | 1500                | 94.7           | 0.95         | 140.1              | 1.8               | IC411          |
| TYP1-200L-8-1500  | 30         | 50.4              | 100                  | 1500                | 95.0           | 0.95         | 191.0              | 1.8               | IC411          |
| TYP1-225S-8-1500  | 37         | 61.9              | 100                  | 1500                | 95.3           | 0.95         | 235.6              | 1.8               | IC411          |
| TYP1-225M-8-1500  | 45         | 75.1              | 100                  | 1500                | 95.6           | 0.95         | 286.5              | 1.8               | IC411          |
| TYP1-250M-8-1500  | 55         | 91.6              | 100                  | 1500                | 95.8           | 0.95         | 350.2              | 1.8               | IC411          |
| TYP1-280S-8-1500  | 75         | 124.6             | 100                  | 1500                | 96.0           | 0.95         | 477.5              | 1.8               | IC411          |
| TYP1-280M-8-1500  | 90         | 149.2             | 100                  | 1500                | 96.2           | 0.95         | 573.0              | 1.8               | IC411          |
| TYP1-315S-8-1500  | 110        | 180.9             | 100                  | 1500                | 97.0           | 0.95         | 700.3              | 1.8               | IC411          |
| TYP1-315M-8-1500  | 132        | 216.8             | 100                  | 1500                | 97.1           | 0.95         | 840.4              | 1.8               | IC411          |
| TYP1-315L1-8-1500 | 160        | 262.5             | 100                  | 1500                | 97.2           | 0.95         | 1018.7             | 1.8               | IC411          |
| TYP1-315L2-8-1500 | 200        | 327.5             | 100                  | 1500                | 97.4           | 0.95         | 1273.3             | 1.8               | IC411          |
| TYP1-355M-8-1500  | 250        | 409.4             | 100                  | 1500                | 97.4           | 0.95         | 1591.7             | 1.8               | IC411          |
| TYP1-355L-8-1500  | 315        | 515.8             | 100                  | 1500                | 97.4           | 0.95         | 2005.5             | 1.8               | IC411          |

# Technical specifications

## Permanent magnet synchronous motor 1000r/min

| Type               | Power (kw) | Rated current (A) | Rated frequency (Hz) | Rated speed (r/min) | Efficiency (%) | Power factor | Rated torque (N.m) | Break-down torque | Cooling method |
|--------------------|------------|-------------------|----------------------|---------------------|----------------|--------------|--------------------|-------------------|----------------|
| TYP1-80M1-8-1000   | 0.55       | 1.0               | 66.7                 | 1000                | 85.9           | 0.95         | 5.3                | 1.8               | IC411          |
| TYP1-90S-8-1000    | 0.75       | 1.4               | 66.7                 | 1000                | 87.4           | 0.95         | 7.2                | 1.8               | IC411          |
| TYP 1-90L-8-1000   | 1.1        | 2.0               | 66.7                 | 1000                | 88.7           | 0.95         | 10.5               | 1.8               | IC411          |
| TYP 1-100L-8-1000  | 1.5        | 2.7               | 66.7                 | 1000                | 89.9           | 0.95         | 14.3               | 1.8               | Ic411          |
| TYP 1-2M-8-1000    | 2.2        | 3.9               | 66.7                 | 1000                | 90.9           | 0.95         | 21.0               | 1.8               | IC411          |
| TYP -1B2S-8-1000   | 3          | 5.2               | 66.7                 | 1000                | 91.8           | 0.95         | 28.7               | 1.8               | IC411          |
| TYP -1B2M1-8-1000  | 4          | 6.9               | 66.7                 | 1000                | 92.7           | 0.95         | 38.2               | 1.8               | IC411          |
| TYP -1B2M2-8-1000  | 5.5        | 9.4               | 66.7                 | 1000                | 93.4           | 0.95         | 52.5               | 1.8               | IC411          |
| TYP -1B60M- 8-1000 | 7.5        | 12.7              | 66.7                 | 1000                | 94.0           | 0.95         | 71.6               | 1.8               | IC411          |
| TYP 1-160L-8-1000  | 11         | 18.6              | 66.7                 | 1000                | 94.5           | 0.95         | 105.1              | 1.8               | IC411          |
| TYP 1-180L-8-1000  | 15         | 25.2              | 66.7                 | 1000                | 94.9           | 0.95         | 143.3              | 1.8               | IC411          |
| TYP 1-200L1-8-1000 | 18.5       | 31.0              | 66.7                 | 1000                | 95.3           | 0.95         | 176.7              | 1.8               | IC411          |
| TYP 1-200L2-8-1000 | 22         | 36.7              | 66.7                 | 1000                | 95.6           | 0.95         | 210.1              | 1.8               | IC411          |
| TYP 1-225M-8-1000  | 30         | 49.9              | 66.7                 | 1000                | 95.8           | 0.95         | 286.5              | 1.8               | IC411          |
| TYP 1-250M-8-1000  | 37         | 61.5              | 66.7                 | 1000                | 96.0           | 0.95         | 353.4              | 1.8               | IC411          |
| TYP 1-280S-8-1000  | 45         | 74.6              | 66.7                 | 1000                | 96.2           | 0.95         | 429.8              | 1.8               | IC411          |
| TYP 1-280M-8-100 0 | 55         | 91.1              | 66.7                 | 1000                | 96.3           | 0.95         | 525.3              | 1.8               | IC411          |
| TYP1-315S-8-1000   | 75         | 124.1             | 66.7                 | 1000                | 96.4           | 0.95         | 716.3              | 1.8               | IC411          |
| TYP1-315M-8-1000   | 90         | 148.7             | 66.7                 | 1000                | 96.5           | 0.95         | 859.5              | 1.8               | IC411          |
| TYP -315L1-8-1000  | 110        | 181.6             | 66.7                 | 1000                | 96.6           | 0.95         | 1050.5             | 1.8               | IC411          |
| TYP -315L2-8-1000  | 132        | 217.5             | 66.7                 | 1000                | 96.8           | 0.95         | 1260.6             | 1.8               | IC411          |
| TYP -355M1-8-1000  | 160        | 263.3             | 66.7                 | 1000                | 96.9           | 0.95         | 1528.0             | 1.8               | IC411          |
| TYP -355M2-8-1000  | 200        | 328.8             | 66.7                 | 1000                | 97.0           | 0.95         | 1910.0             | 1.8               | IC411          |
| T YP 1-355L-8-1000 | 250        | 411.1             | 66.7                 | 1000                | 97.0           | 0.95         | 2387.5             | 1.8               | Ic411          |

# Technical specifications

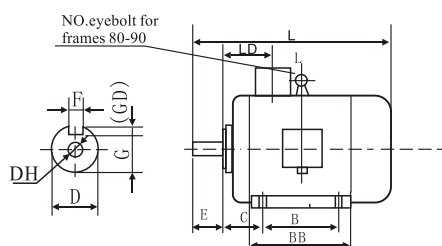
## Permanent magnet synchronous motor 750r/min

| Type             | Power (kw) | Rated current (A) | Rated frequency (Hz) | Rated speed (r/min) | Efficiency (%) | Power factor | Rated torque (N.m) | Break-down torque | Cooling method |
|------------------|------------|-------------------|----------------------|---------------------|----------------|--------------|--------------------|-------------------|----------------|
| TYP1-90L-8-750   | 0.55       | 1.1               | 50                   | 750                 | 80.6           | 0.95         | 7.0                | 1.8               | IC411          |
| TYP1-100L1-8-750 | 0.75       | 1.5               | 50                   | 750                 | 82.0           | 0.95         | 9.6                | 1.8               | IC411          |
| TYP1-100L2-8-750 | 1.1        | 2.1               | 50                   | 750                 | 84.0           | 0.95         | 14.0               | 1.8               | IC411          |
| TYP1-112M-8-750  | 1.5        | 2.8               | 50                   | 750                 | 85.5           | 0.95         | 19.1               | 1.8               | IC411          |
| TYP1-132S-8-750  | 2.2        | 4.0               | 50                   | 750                 | 87.2           | 0.95         | 28.0               | 1.8               | IC411          |
| TYP1-132M-8-750  | 3          | 5.4               | 50                   | 750                 | 88.4           | 0.95         | 38.2               | 1.8               | IC411          |
| TYP1-160M1-8-750 | 4          | 7.1               | 50                   | 750                 | 89.4           | 0.95         | 50.9               | 1.8               | IC411          |
| TYP1-160M2-8-750 | 5.5        | 9.7               | 50                   | 750                 | 90.4           | 0.95         | 70.0               | 1.8               | IC411          |
| TYP1-160L-8-750  | 7.5        | 13.1              | 50                   | 750                 | 91.3           | 0.95         | 95.5               | 1.8               | IC411          |
| TYP1-180L-8-750  | 11         | 19.0              | 50                   | 750                 | 92.2           | 0.95         | 140.1              | 1.8               | IC411          |
| TYP1-200L-8-750  | 15         | 25.8              | 50                   | 750                 | 92.9           | 0.95         | 191.0              | 1.8               | IC411          |
| TYP1-225S-8-750  | 18.5       | 31.6              | 50                   | 750                 | 93.3           | 0.95         | 235.6              | 1.8               | IC411          |
| TYP1-225M-8-750  | 22         | 37.5              | 50                   | 750                 | 93.6           | 0.95         | 280.1              | 1.8               | IC411          |
| TYP1-250M-8-750  | 30         | 50.8              | 50                   | 750                 | 94.1           | 0.95         | 382.0              | 1.8               | IC411          |
| TYP1-280S-8-750  | 37         | 62.5              | 50                   | 750                 | 94.4           | 0.95         | 471.1              | 1.8               | IC411          |
| TYP1-280M-8-750  | 45         | 75.8              | 50                   | 750                 | 94.7           | 0.95         | 573.0              | 1.8               | IC411          |
| TYP1-315S-8-750  | 55         | 92.4              | 50                   | 750                 | 94.9           | 0.95         | 700.3              | 1.8               | IC411          |
| TYP1-315M-8-750  | 75         | 125.5             | 50                   | 750                 | 95.3           | 0.95         | 955.0              | 1.8               | IC411          |
| TYP1-315L1-8-750 | 90         | 150.3             | 50                   | 750                 | 95.5           | 0.95         | 1146.0             | 1.8               | IC411          |
| TYP1-315L2-8-750 | 110        | 183.3             | 50                   | 750                 | 95.7           | 0.95         | 1400.7             | 1.8               | IC411          |
| TYP1-355M1-8-750 | 132        | 219.5             | 50                   | 750                 | 95.9           | 0.95         | 1680.8             | 1.8               | IC411          |
| TYP1-355M2-8-750 | 160        | 265.5             | 50                   | 750                 | 96.1           | 0.95         | 2037.3             | 1.8               | IC411          |
| TYP1-355M1-8-750 | 200        | 331.2             | 50                   | 750                 | 96.3           | 0.95         | 2546.7             | 1.8               | IC411          |
| TYP1-355M2-8-750 | 250        | 414               | 50                   | 750                 | 96.3           | 0.95         | 3183.3             | 1.8               | IC411          |

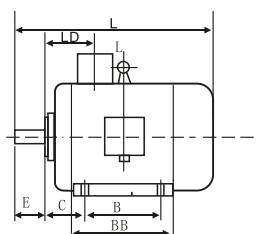


# Installation and dimensions

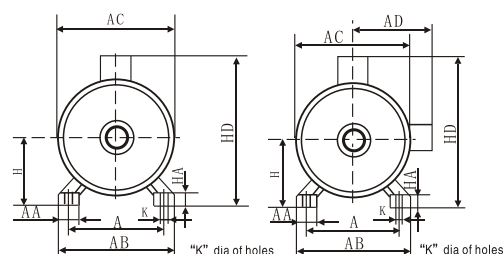
## IM B3 H80-355



Frame size  
H80-132



Frame size  
H160-355



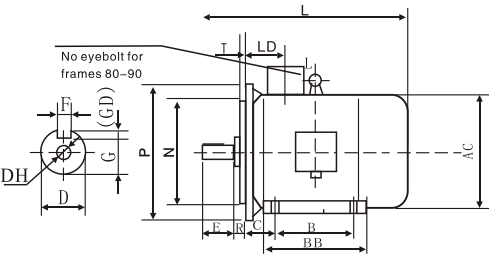
Frame size  
H80-355

| Type       | Poles          | Dimensions in mm |     |     |     |    |     |    |      |     |      |     |     |     |      |       |       |     |    |     |        |
|------------|----------------|------------------|-----|-----|-----|----|-----|----|------|-----|------|-----|-----|-----|------|-------|-------|-----|----|-----|--------|
|            |                | A                | AA  | B   | C   | D* | E   | F  | G    | H   | K    | AB  | AC  | AD  | HD   | L     |       | BB  | HA | LD  | (DH)*  |
|            |                |                  |     |     |     |    |     |    |      |     |      |     |     |     |      | IC411 | IC416 |     |    |     |        |
| TYP1-80    | 2, 4, 6, 8     | 125              | 34  | 100 | 50  | 19 | 40  | 6  | 15.5 | 80  | 10   | 165 | 167 | 165 | 245  | 300   | 405   | 142 | 10 | 74  | M6×16  |
| TYP1-90S   | 2, 4, 6, 8     | 140              | 36  | 100 | 56  | 24 | 50  | 8  | 20   | 90  | 10   | 180 | 190 | 175 | 265  | 355   | 455   | 180 | 12 | 76  | M8×19  |
| TYP1-90L   | 2, 4, 6, 8     | 140              | 36  | 125 | 56  | 24 | 50  | 8  | 20   | 90  | 10   | 180 | 190 | 175 | 265  | 385   | 485   | 220 | 12 | 76  | M8×19  |
| TYP1-100L  | 2, 4, 6, 8     | 160              | 40  | 140 | 63  | 28 | 60  | 8  | 24   | 100 | 12   | 205 | 215 | 200 | 290  | 435   | 535   | 233 | 14 | 83  | M10×22 |
| TYP1-112M  | 2, 4, 6, 8     | 190              | 45  | 140 | 70  | 28 | 60  | 8  | 24   | 112 | 12   | 230 | 240 | 220 | 325  | 468   | 566   | 248 | 15 | 87  | M10×22 |
| TYP1-132S  | 2, 4, 6, 8     | 216              | 55  | 140 | 89  | 38 | 80  | 10 | 33   | 132 | 12   | 270 | 275 | 240 | 365  | 510   | 587   | 230 | 18 | 102 | M12×28 |
| TYP1-132M  | 2, 4, 6, 8     | 216              | 55  | 178 | 89  | 38 | 80  | 10 | 33   | 132 | 12   | 270 | 275 | 240 | 365  | 548   | 625   | 262 | 18 | 102 | M12×28 |
| TYP1-160M  | 2, 4, 6, 8     | 254              | 65  | 210 | 108 | 42 | 110 | 12 | 37   | 160 | 14.5 | 320 | 320 | 285 | 440  | 675   | 740   | 304 | 20 | 149 | M16×36 |
| TYP1-160L  | 2, 4, 6, 8     | 254              | 65  | 254 | 108 | 42 | 110 | 12 | 37   | 160 | 14.5 | 320 | 320 | 285 | 440  | 705   | 770   | 334 | 20 | 149 | M16×36 |
| TYP1-180M  | 2, 4, 6, 8     | 279              | 70  | 241 | 121 | 48 | 110 | 14 | 42.5 | 180 | 14.5 | 355 | 380 | 310 | 470  | 740   | 815   | 355 | 22 | 161 | M16×36 |
| TYP1-180L  | 2, 4, 6, 8     | 279              | 70  | 279 | 121 | 48 | 110 | 14 | 42.5 | 180 | 14.5 | 355 | 380 | 310 | 470  | 788   | 895   | 397 | 22 | 161 | M16×36 |
| TYP1-200L  | 2, 4, 6, 8, 10 | 318              | 70  | 305 | 133 | 55 | 110 | 16 | 49   | 200 | 18.5 | 395 | 410 | 335 | 525  | 785   | 870   | 375 | 25 | 186 | M20×42 |
| TYP1-225S  | 4, 6, 8, 10    | 356              | 75  | 286 | 149 | 60 | 140 | 18 | 53   | 225 | 18.5 | 435 | 470 | 370 | 580  | 830   | 900   | 370 | 28 | 189 | M20×42 |
| TYP1-225M  | 2              | 356              | 75  | 311 | 149 | 55 | 110 | 16 | 49   | 225 | 18.5 | 435 | 470 | 370 | 580  | 825   | 895   | 395 | 28 | 189 | M20×42 |
|            | 4, 6, 8, 10    | 356              | 75  | 311 | 149 | 60 | 140 | 18 | 53   | 225 | 18.5 | 435 | 470 | 370 | 580  | 855   | 925   | 395 | 28 | 189 | M20×42 |
| TYP1-250M  | 2              | 406              | 80  | 349 | 168 | 60 | 140 | 18 | 53   | 250 | 24   | 490 | 490 | 380 | 635  | 930   | 1105  | 445 | 30 | 207 | M20×42 |
|            | 4, 6, 8, 10    | 406              | 80  | 349 | 168 | 65 | 140 | 18 | 58   | 250 | 24   | 490 | 490 | 380 | 635  | 930   | 1105  | 445 | 30 | 207 | M20×42 |
| TYP1-280S  | 2              | 457              | 85  | 368 | 190 | 65 | 140 | 18 | 58   | 280 | 24   | 550 | 580 | 410 | 698  | 981   | 1150  | 490 | 35 | 215 | M20×42 |
|            | 4, 6, 8, 10    | 457              | 85  | 368 | 190 | 75 | 140 | 20 | 67.5 | 280 | 24   | 550 | 580 | 410 | 698  | 981   | 1150  | 490 | 35 | 215 | M20×42 |
| TYP1-280M  | 2              | 457              | 85  | 419 | 190 | 65 | 140 | 18 | 58   | 280 | 24   | 550 | 580 | 410 | 698  | 1032  | 1205  | 540 | 35 | 215 | M20×42 |
|            | 4, 6, 8, 10    | 457              | 85  | 419 | 190 | 75 | 140 | 20 | 67.5 | 280 | 24   | 550 | 580 | 410 | 698  | 1032  | 1205  | 540 | 35 | 215 | M20×42 |
| TYP1-315S  | 2              | 508              | 120 | 406 | 216 | 65 | 140 | 18 | 58   | 315 | 28   | 630 | 645 | 535 | 885  | 1200  | 1310  | 570 | 45 | 257 | M20×42 |
|            | 4, 6, 8, 10    | 508              | 120 | 406 | 216 | 80 | 170 | 22 | 71   | 315 | 28   | 630 | 645 | 535 | 885  | 1230  | 1340  | 570 | 45 | 257 | M20×42 |
| TYP1-315M  | 2              | 508              | 120 | 457 | 216 | 65 | 140 | 18 | 58   | 315 | 28   | 630 | 645 | 535 | 885  | 1310  | 1420  | 680 | 45 | 257 | M20×42 |
|            | 4, 6, 8, 10    | 508              | 120 | 457 | 216 | 80 | 170 | 22 | 71   | 315 | 28   | 630 | 645 | 535 | 885  | 1340  | 1450  | 680 | 45 | 257 | M20×42 |
| TYP1-315L1 | 2              | 508              | 120 | 508 | 216 | 65 | 140 | 18 | 58   | 315 | 28   | 630 | 645 | 535 | 885  | 1310  | 1420  | 680 | 45 | 257 | M20×42 |
|            | 4, 6, 8, 10    | 508              | 120 | 508 | 216 | 80 | 170 | 22 | 71   | 315 | 28   | 630 | 645 | 535 | 885  | 1340  | 1450  | 680 | 45 | 257 | M20×42 |
| TYP1-315L2 | 2              | 508              | 120 | 508 | 216 | 65 | 140 | 18 | 58   | 315 | 28   | 630 | 645 | 535 | 885  | 1460  | 1570  | 830 | 45 | 257 | M20×42 |
|            | 4              | 508              | 120 | 508 | 216 | 80 | 170 | 22 | 71   | 315 | 28   | 630 | 645 | 535 | 885  | 1490  | 1600  | 830 | 45 | 257 | M20×42 |
| TYP1-355M  | 2              | 610              | 120 | 560 | 254 | 75 | 140 | 20 | 67.5 | 355 | 28   | 730 | 720 | 650 | 1065 | 1495  | 1655  | 760 | 52 | 284 | M20×42 |
|            | 4, 6, 8, 10    | 610              | 120 | 560 | 254 | 95 | 170 | 25 | 86   | 355 | 28   | 730 | 720 | 650 | 1065 | 1525  | 1600  | 760 | 52 | 284 | M24×47 |
| TYP1-355L  | 2              | 610              | 120 | 630 | 254 | 75 | 140 | 20 | 67.5 | 355 | 28   | 730 | 720 | 650 | 1065 | 1495  | 1655  | 760 | 52 | 284 | M20×42 |
|            | 4, 6, 8, 10    | 610              | 120 | 630 | 254 | 95 | 170 | 25 | 86   | 355 | 28   | 730 | 720 | 650 | 1065 | 1525  | 1600  | 760 | 52 | 284 | M24×47 |
| TYP1-355L2 | 6              | 610              | 120 | 630 | 254 | 95 | 170 | 25 | 86   | 355 | 28   | 730 | 720 | 650 | 1065 | 1735  | 1895  | 760 | 52 | 284 | M24×47 |

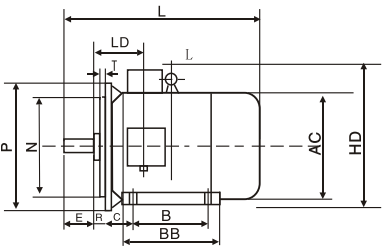
Notes: 1) Dimension R is the distance from the flange mounting surface to the auxiliary shoulder.

# Installation and dimensions

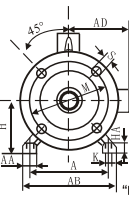
## IM B35 H80-355



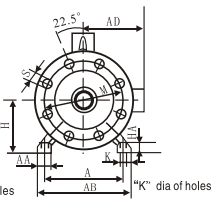
Frame size  
H80-132



Frame size  
H160-355



Frame size  
H80-200



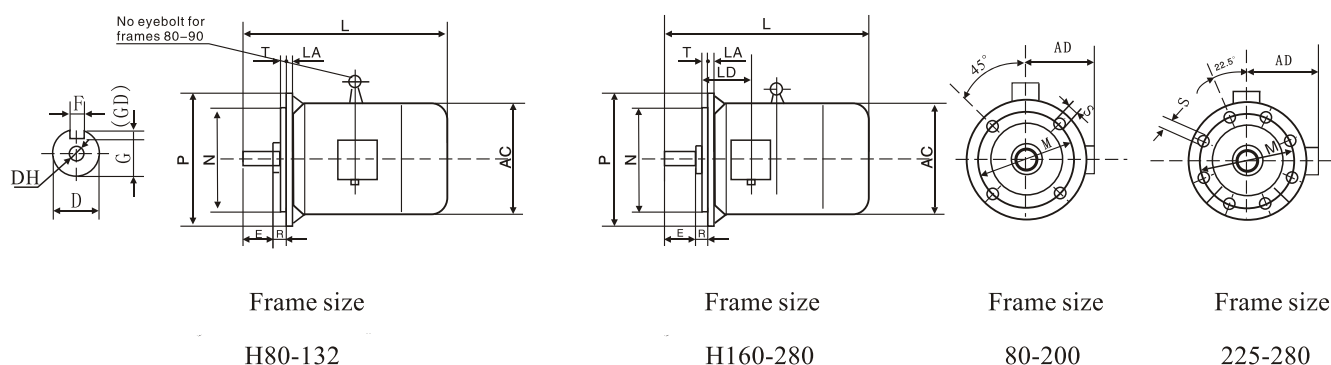
Frame size  
H225-355

| Type       | Flange NO. | Poles          | Dimensions in mm |     |     |     |    |     |    |      |     |      |     |     |     |      |       |       |     |    |     |              |     |     |     |    |      |     |        |
|------------|------------|----------------|------------------|-----|-----|-----|----|-----|----|------|-----|------|-----|-----|-----|------|-------|-------|-----|----|-----|--------------|-----|-----|-----|----|------|-----|--------|
|            |            |                | A                | AA  | B   | C   | D* | E   | F  | G    | H   | K    | AB  | AC  | AD  | HD   | L     |       | BB  | HA | LD  | Flange holes | M   | N*  | P   | R* | S    | T   | (DH)*  |
|            |            |                |                  |     |     |     |    |     |    |      |     |      |     |     |     |      | IC411 | IC416 |     |    |     |              |     |     |     |    |      |     |        |
| TYP1-80    | FF165      | 2, 4, 6, 8     | 125              | 34  | 100 | 50  | 19 | 40  | 6  | 15.5 | 80  | 10   | 165 | 167 | 165 | 245  | 300   | 405   | 142 | 10 | 74  | 4            | 165 | 130 | 200 | 0  | 12   | 3.5 | M6×16  |
| TYP1-90S   | FF165      | 2, 4, 6, 8     | 140              | 36  | 100 | 56  | 24 | 50  | 8  | 20   | 90  | 10   | 180 | 190 | 175 | 265  | 355   | 455   | 180 | 12 | 76  | 4            | 165 | 130 | 200 | 0  | 12   | 3.5 | M8×19  |
| TYP1-90L   | FF165      | 2, 4, 6, 8     | 140              | 36  | 125 | 56  | 24 | 50  | 8  | 20   | 90  | 10   | 180 | 190 | 175 | 265  | 385   | 485   | 220 | 12 | 76  | 4            | 165 | 130 | 200 | 0  | 12   | 3.5 | M8×19  |
| TYP1-100L  | FF215      | 2, 4, 6, 8     | 160              | 40  | 140 | 63  | 28 | 60  | 8  | 24   | 100 | 12   | 205 | 215 | 200 | 290  | 435   | 535   | 233 | 14 | 83  | 4            | 215 | 180 | 250 | 0  | 14.5 | 4   | M10×22 |
| TYP1-112M  | FF215      | 2, 4, 6, 8     | 190              | 45  | 140 | 70  | 28 | 60  | 8  | 24   | 112 | 12   | 230 | 240 | 220 | 325  | 468   | 566   | 248 | 15 | 87  | 4            | 215 | 180 | 250 | 0  | 14.5 | 4   | M10×22 |
| TYP1-132S  | FF265      | 2, 4, 6, 8     | 216              | 55  | 140 | 89  | 38 | 80  | 10 | 33   | 132 | 12   | 270 | 275 | 240 | 365  | 510   | 587   | 230 | 18 | 102 | 4            | 265 | 230 | 300 | 0  | 14.5 | 4   | M12×28 |
| TYP1-132M  | FF265      | 2, 4, 6, 8     | 216              | 55  | 178 | 89  | 38 | 80  | 10 | 33   | 132 | 12   | 270 | 275 | 240 | 365  | 548   | 625   | 262 | 18 | 102 | 4            | 265 | 230 | 300 | 0  | 14.5 | 4   | M12×28 |
| TYP1-160M  | FF300      | 2, 4, 6, 8     | 254              | 65  | 210 | 108 | 42 | 110 | 12 | 37   | 160 | 14.5 | 320 | 320 | 285 | 440  | 675   | 740   | 304 | 20 | 149 | 4            | 300 | 250 | 350 | 0  | 18.5 | 5   | M16×36 |
| TYP1-160L  | FF300      | 2, 4, 6, 8     | 254              | 65  | 254 | 108 | 42 | 110 | 12 | 37   | 160 | 14.5 | 320 | 320 | 285 | 440  | 705   | 770   | 334 | 20 | 149 | 4            | 300 | 250 | 350 | 0  | 18.5 | 5   | M16×36 |
| TYP1-180M  | FF300      | 2, 4, 6, 8     | 279              | 70  | 241 | 121 | 48 | 110 | 14 | 42.5 | 180 | 14.5 | 355 | 380 | 310 | 470  | 740   | 815   | 355 | 22 | 161 | 4            | 300 | 250 | 350 | 0  | 18.5 | 5   | M16×36 |
| TYP1-180L  | FF300      | 2, 4, 6, 8     | 279              | 70  | 279 | 121 | 48 | 110 | 14 | 42.5 | 180 | 14.5 | 355 | 380 | 310 | 470  | 788   | 895   | 397 | 22 | 161 | 4            | 300 | 250 | 350 | 0  | 18.5 | 5   | M16×36 |
| TYP1-200L  | FF350      | 2, 4, 6, 8, 10 | 318              | 70  | 305 | 133 | 55 | 110 | 16 | 49   | 200 | 18.5 | 395 | 410 | 335 | 525  | 785   | 870   | 375 | 25 | 186 | 4            | 350 | 300 | 400 | 0  | 18.5 | 5   | M20×42 |
| TYP1-225S  | FF400      | 4, 6, 8, 10    | 356              | 75  | 286 | 149 | 60 | 140 | 18 | 53   | 225 | 18.5 | 435 | 470 | 370 | 580  | 830   | 900   | 370 | 28 | 189 | 8            | 400 | 350 | 450 | 0  | 18.5 | 5   | M20×42 |
| TYP1-225M  | FF400      | 2              | 356              | 75  | 311 | 149 | 55 | 110 | 16 | 49   | 225 | 18.5 | 435 | 470 | 370 | 580  | 825   | 895   | 395 | 28 | 189 | 8            | 400 | 350 | 450 | 0  | 18.5 | 5   | M20×42 |
|            | FF400      | 4, 6, 8, 10    | 356              | 75  | 311 | 149 | 60 | 140 | 18 | 53   | 225 | 18.5 | 435 | 470 | 370 | 580  | 855   | 925   | 395 | 28 | 189 | 8            | 400 | 350 | 450 | 0  | 18.5 | 5   | M20×42 |
| TYP1-250M  | FF500      | 2              | 406              | 80  | 349 | 168 | 60 | 140 | 18 | 53   | 250 | 24   | 490 | 490 | 380 | 635  | 930   | 1105  | 445 | 30 | 207 | 8            | 500 | 450 | 550 | 0  | 18.5 | 5   | M20×42 |
|            | FF500      | 4, 6, 8, 10    | 406              | 80  | 349 | 168 | 65 | 140 | 18 | 58   | 250 | 24   | 490 | 490 | 380 | 635  | 930   | 1105  | 445 | 30 | 207 | 8            | 500 | 450 | 550 | 0  | 18.5 | 5   | M20×42 |
| TYP1-280S  | FF500      | 2              | 457              | 85  | 368 | 190 | 65 | 140 | 18 | 58   | 280 | 24   | 550 | 580 | 410 | 698  | 981   | 1150  | 490 | 35 | 215 | 8            | 500 | 450 | 550 | 0  | 18.5 | 5   | M20×42 |
|            | FF500      | 4, 6, 8, 10    | 457              | 85  | 368 | 190 | 75 | 140 | 20 | 67.5 | 280 | 24   | 550 | 580 | 410 | 698  | 981   | 1150  | 490 | 35 | 215 | 8            | 500 | 450 | 550 | 0  | 18.5 | 5   | M20×42 |
| TYP1-280M  | FF500      | 2              | 457              | 85  | 419 | 190 | 65 | 140 | 18 | 58   | 280 | 24   | 550 | 580 | 410 | 698  | 1032  | 1205  | 540 | 35 | 215 | 8            | 500 | 450 | 550 | 0  | 18.5 | 5   | M20×42 |
|            | FF500      | 4, 6, 8, 10    | 457              | 85  | 419 | 190 | 75 | 140 | 20 | 67.5 | 280 | 24   | 550 | 580 | 410 | 698  | 1032  | 1205  | 540 | 35 | 215 | 8            | 500 | 450 | 550 | 0  | 18.5 | 5   | M20×42 |
| TYP1-315S  | FF600      | 2              | 508              | 120 | 406 | 216 | 65 | 140 | 18 | 58   | 315 | 28   | 630 | 645 | 535 | 885  | 1200  | 1310  | 570 | 45 | 257 | 8            | 600 | 550 | 660 | 0  | 24   | 6   | M20×42 |
|            | FF600      | 4, 6, 8, 10    | 508              | 120 | 406 | 216 | 80 | 170 | 22 | 71   | 315 | 28   | 630 | 645 | 535 | 885  | 1230  | 1340  | 570 | 45 | 257 | 8            | 600 | 550 | 660 | 0  | 24   | 6   | M20×42 |
| TYP1-315M  | FF600      | 2              | 508              | 120 | 457 | 216 | 65 | 140 | 18 | 58   | 315 | 28   | 630 | 645 | 535 | 885  | 1310  | 1420  | 680 | 45 | 257 | 8            | 600 | 550 | 660 | 0  | 24   | 6   | M20×42 |
|            | FF600      | 4, 6, 8, 10    | 508              | 120 | 457 | 216 | 80 | 170 | 22 | 71   | 315 | 28   | 630 | 645 | 535 | 885  | 1340  | 1450  | 680 | 45 | 257 | 8            | 600 | 550 | 660 | 0  | 24   | 6   | M20×42 |
| TYP1-315L1 | FF600      | 2              | 508              | 120 | 508 | 216 | 65 | 140 | 18 | 58   | 315 | 28   | 630 | 645 | 535 | 885  | 1310  | 1420  | 680 | 45 | 257 | 8            | 600 | 550 | 660 | 0  | 24   | 6   | M20×42 |
|            | FF600      | 4, 6, 8, 10    | 508              | 120 | 508 | 216 | 80 | 170 | 22 | 71   | 315 | 28   | 630 | 645 | 535 | 885  | 1340  | 1450  | 680 | 45 | 257 | 8            | 600 | 550 | 660 | 0  | 24   | 6   | M20×42 |
| TYP1-315L2 | FF600      | 2              | 508              | 120 | 508 | 216 | 65 | 140 | 18 | 58   | 315 | 28   | 630 | 645 | 535 | 885  | 1460  | 1570  | 680 | 45 | 257 | 8            | 600 | 550 | 660 | 0  | 24   | 6   | M20×42 |
|            | FF600      | 4              | 508              | 120 | 508 | 216 | 80 | 170 | 22 | 71   | 315 | 28   | 630 | 645 | 535 | 885  | 1490  | 1600  | 680 | 45 | 257 | 8            | 600 | 550 | 660 | 0  | 24   | 6   | M20×42 |
| TYP1-355M  | FF740      | 2              | 610              | 120 | 560 | 254 | 75 | 140 | 20 | 67.5 | 355 | 28   | 730 | 720 | 650 | 1065 | 1495  | 1655  | 760 | 52 | 284 | 8            | 740 | 680 | 800 | 0  | 24   | 6   | M20×42 |
|            | FF740      | 4, 6, 8, 10    | 610              | 120 | 560 | 254 | 95 | 170 | 25 | 86   | 355 | 28   | 730 | 720 | 650 | 1065 | 1525  | 1600  | 760 | 52 | 284 | 8            | 740 | 680 | 800 | 0  | 24   | 6   | M24×47 |
| TYP1-355L  | FF740      | 2              | 610              | 120 | 630 | 254 | 75 | 140 | 20 | 67.5 | 355 | 28   | 730 | 720 | 650 | 1065 | 1495  | 1655  | 760 | 52 | 284 | 8            | 740 | 680 | 800 | 0  | 24   | 6   | M20×42 |
|            | FF740      | 4, 6, 8, 10    | 610              | 120 | 630 | 254 | 95 | 170 | 25 | 86   | 355 | 28   | 730 | 720 | 650 | 1065 | 1525  | 1600  | 760 | 52 | 284 | 8            | 740 | 680 | 800 | 0  | 24   | 6   | M24×47 |
| TYP1-355L2 | FF741      | 6              | 610              | 120 | 630 | 254 | 95 | 170 | 25 | 86   | 355 | 28   | 730 | 720 | 650 | 1065 | 1735  | 1895  | 760 | 52 | 284 | 8            | 740 | 680 | 800 | 0  | 24   | 6   | M24×47 |

Notes: 1) Dimension R is the distance from the flange mounting surface to the auxiliary shoulder.  
2)Dimension D Tolerance:  $\phi$  19-28: j6;  $\phi$  38-48: K6;  $\phi$  55-80: m6;  $\phi$  95: m6  
3)Dimension N Tolerance: j6

# Installation and dimensions

## IMB5 H80-280



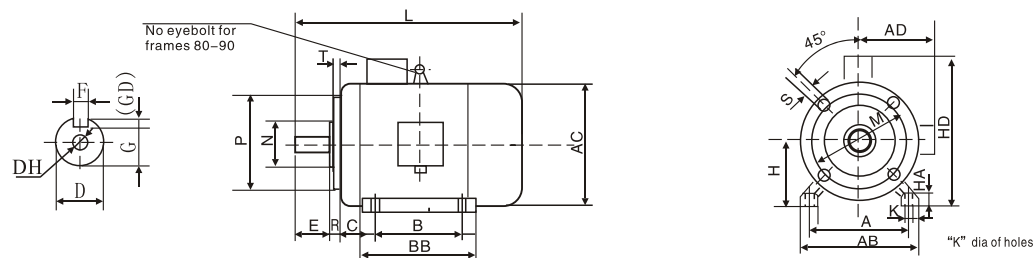
| Type      | Flange NO. | Poles          | Dimensions in mm |     |    |      |     |     |     |      |     |              |     |       |       |     |    |        |   |
|-----------|------------|----------------|------------------|-----|----|------|-----|-----|-----|------|-----|--------------|-----|-------|-------|-----|----|--------|---|
|           |            |                | D*               | E   | F  | G    | M   | N*  | P   | S    | T   | Flange holes | AC  | L     |       | LD  | LA | (DH)*  | R |
|           |            |                |                  |     |    |      |     |     |     |      |     |              |     | IC411 | IC416 |     |    |        |   |
| TYP1-80   | FF105      | 2, 4, 6, 8     | 19               | 40  | 6  | 15.5 | 165 | 130 | 200 | 12   | 3.5 | 4            | 167 | 300   | 405   | 74  | 12 | M6×16  | 0 |
| TYP1-90S  | FF165      | 2, 4, 6, 8     | 24               | 50  | 8  | 20   | 165 | 130 | 200 | 12   | 3.5 | 4            | 190 | 355   | 455   | 76  | 12 | M8×19  | 0 |
| TYP1-90L  | FF165      | 2, 4, 6, 8     | 24               | 50  | 8  | 20   | 165 | 130 | 200 | 12   | 3.5 | 4            | 190 | 385   | 485   | 76  | 12 | M8×19  | 0 |
| TYP1-100L | FF215      | 2, 4, 6, 8     | 28               | 60  | 8  | 24   | 215 | 180 | 250 | 14.5 | 4   | 4            | 215 | 435   | 535   | 83  | 13 | M10×22 | 0 |
| TYP1-112M | FF215      | 2, 4, 6, 8     | 28               | 60  | 8  | 24   | 215 | 180 | 250 | 14.5 | 4   | 4            | 240 | 468   | 566   | 87  | 14 | M10×22 | 0 |
| TYP1-132S | FF265      | 2, 4, 6, 8     | 38               | 80  | 10 | 33   | 265 | 230 | 300 | 14.5 | 4   | 4            | 275 | 510   | 587   | 102 | 14 | M12×28 | 0 |
| TYP1-132M | FF265      | 2, 4, 6, 8     | 38               | 80  | 10 | 33   | 265 | 230 | 300 | 14.5 | 4   | 4            | 275 | 548   | 625   | 102 | 14 | M12×28 | 0 |
| TYP1-160M | FF300      | 2, 4, 6, 8     | 42               | 110 | 12 | 37   | 300 | 250 | 350 | 18.5 | 5   | 4            | 320 | 675   | 740   | 149 | 15 | M16×36 | 0 |
| TYP1-160L | FF300      | 2, 4, 6, 8     | 42               | 110 | 12 | 37   | 300 | 250 | 350 | 18.5 | 5   | 4            | 320 | 705   | 770   | 149 | 15 | M16×36 | 0 |
| TYP1-180M | FF300      | 2, 4, 6, 8     | 48               | 110 | 14 | 42.5 | 300 | 250 | 350 | 18.5 | 5   | 4            | 380 | 740   | 815   | 161 | 15 | M16×36 | 0 |
| TYP1-180L | FF300      | 2, 4, 6, 8     | 48               | 110 | 14 | 42.5 | 300 | 250 | 350 | 18.5 | 5   | 4            | 380 | 788   | 895   | 161 | 15 | M16×36 | 0 |
| TYP1-200L | FF350      | 2, 4, 6, 8, 10 | 55               | 110 | 16 | 49   | 350 | 300 | 400 | 18.5 | 5   | 4            | 410 | 785   | 870   | 186 | 17 | M20×42 | 0 |
| TYP1-225S | FF400      | 4, 6, 8, 10    | 60               | 140 | 18 | 53   | 400 | 350 | 450 | 18.5 | 5   | 8            | 470 | 830   | 900   | 189 | 20 | M20×42 | 0 |
| TYP1-225M | FF400      | 2              | 55               | 110 | 16 | 49   | 400 | 350 | 450 | 18.5 | 5   | 8            | 470 | 825   | 895   | 189 | 20 | M20×42 | 0 |
|           | FF400      | 4, 6           | 60               | 140 | 18 | 53   | 400 | 350 | 450 | 18.5 | 5   | 8            | 470 | 855   | 925   | 189 | 20 | M20×42 | 0 |
| TYP1-250M | FF500      | 2              | 60               | 140 | 18 | 53   | 500 | 450 | 550 | 18.5 | 5   | 8            | 490 | 930   | 1105  | 207 | 22 | M20×42 | 0 |
|           | FF500      | 4, 6, 8, 10    | 65               | 140 | 18 | 58   | 500 | 450 | 550 | 18.5 | 5   | 8            | 490 | 930   | 1105  | 207 | 22 | M20×42 | 0 |
| TYP1-280S | FF500      | 2              | 65               | 140 | 18 | 58   | 500 | 450 | 550 | 18.5 | 5   | 8            | 580 | 981   | 1150  | 215 | 22 | M20×42 | 0 |
|           | FF500      | 4, 6, 8, 10    | 75               | 140 | 20 | 67.5 | 500 | 450 | 550 | 18.5 | 5   | 8            | 580 | 981   | 1150  | 215 | 22 | M20×42 | 0 |
| TYP1-280M | FF500      | 2              | 65               | 140 | 18 | 58   | 500 | 450 | 550 | 18.5 | 5   | 8            | 580 | 1032  | 1205  | 215 | 22 | M20×42 | 0 |
|           | FF500      | 4, 6, 8, 10    | 75               | 140 | 20 | 67.5 | 500 | 450 | 550 | 18.5 | 5   | 8            | 580 | 1032  | 1205  | 215 | 22 | M20×42 | 0 |

Notes: 1) Dimension R is the distance from the flange mounting surface to the auxiliary shoulder.

2) Dimension D Tolerance:  $\phi 19-28$ : j6;  $\phi 38-48$ : K6;  $\phi 55-80$ : m6;  $\phi 95$ : m6

# Installation and dimensions

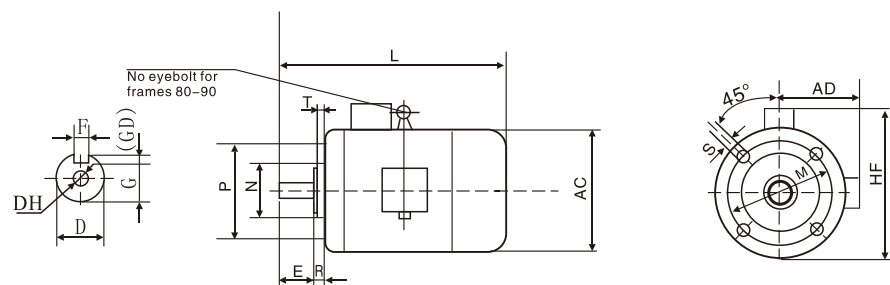
## IMB34 H80-112



| Type      | Poles      | Mounting dimensions |     |    |    |    |   |      |     |    |     |     |     |   |    |     | Flange holes | Overall dimensions |     |     |     |     |     |        |
|-----------|------------|---------------------|-----|----|----|----|---|------|-----|----|-----|-----|-----|---|----|-----|--------------|--------------------|-----|-----|-----|-----|-----|--------|
|           |            | A                   | B   | C  | D* | E  | F | G    | H   | K  | M   | N*  | P   | R | S  | T   |              | AB                 | AC  | AD  | HD  | L   |     | (DH)*  |
| TYP1-80   | 2, 4, 6, 8 | 125                 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80  | 10 | 100 | 80  | 120 | 0 | M6 | 3.0 | 4            | 165                | 167 | 165 | 245 | 300 | 405 | M6×16  |
| TYP1-90S  | 2, 4, 6, 8 | 140                 | 100 | 56 | 24 | 50 | 8 | 20   | 90  | 10 | 115 | 95  | 140 | 0 | M8 | 3.0 | 4            | 180                | 190 | 175 | 250 | 355 | 455 | M8×19  |
| TYP1-90L  | 2, 4, 6, 8 | 140                 | 125 | 56 | 24 | 50 | 8 | 20   | 90  | 10 | 115 | 95  | 140 | 0 | M8 | 3.0 | 4            | 180                | 190 | 175 | 250 | 385 | 485 | M8×19  |
| TYP1-100L | 2, 4, 6, 8 | 160                 | 140 | 63 | 28 | 60 | 8 | 24   | 100 | 12 | 130 | 110 | 160 | 0 | M8 | 3.5 | 4            | 205                | 215 | 200 | 270 | 435 | 535 | M10×22 |
| TYP1-112M | 2, 4, 6, 8 | 190                 | 140 | 70 | 28 | 60 | 8 | 24   | 112 | 12 | 130 | 110 | 160 | 0 | M8 | 3.5 | 4            | 230                | 240 | 220 | 325 | 468 | 566 | M10×22 |

Notes:1)Dimension N Tolerance: j6

## IMB14 H80-112

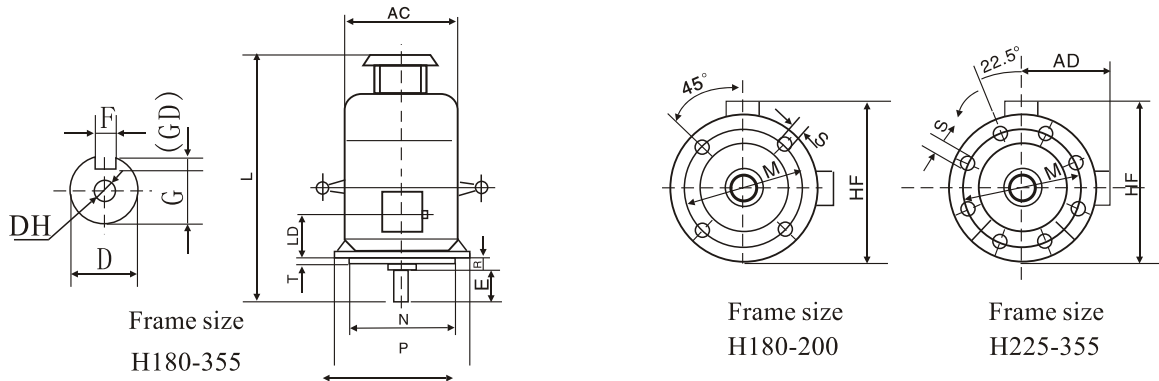


| Type      | Poles   | Mounting dimensions |    |   |      |     |     |     |   |    |     | Flange holes | Overall dimensions |     |     |       |       |        |
|-----------|---------|---------------------|----|---|------|-----|-----|-----|---|----|-----|--------------|--------------------|-----|-----|-------|-------|--------|
|           |         | D*                  | E  | F | G    | P   | M   | N   | R | S  | T   |              | AD                 | AC  | HF  | L     |       | (DH)*  |
|           |         |                     |    |   |      |     |     |     |   |    |     |              |                    |     |     | IC411 | IC416 |        |
| TYP1-80   | 2、4、6、8 | 19                  | 40 | 6 | 15.5 | 120 | 100 | 80  | 0 | M6 | 3.0 | 4            | 165                | 167 | 230 | 300   | 405   | M6×16  |
| TYP1-90S  | 2、4、6、8 | 24                  | 50 | 8 | 20   | 140 | 115 | 95  | 0 | M8 | 3.0 | 4            | 175                | 190 | 245 | 355   | 455   | M8×19  |
| TYP1-90L  | 2、4、6、8 | 24                  | 50 | 8 | 20   | 140 | 115 | 95  | 0 | M8 | 3.0 | 4            | 175                | 190 | 245 | 385   | 485   | M8×19  |
| TYP1-100L | 2、4、6、8 | 28                  | 60 | 8 | 24   | 160 | 130 | 110 | 0 | M8 | 3.5 | 4            | 200                | 215 | 285 | 435   | 535   | M10×22 |
| TYP1-112M | 2、4、6、8 | 28                  | 60 | 8 | 24   | 160 | 130 | 110 | 0 | M8 | 3.5 | 4            | 220                | 240 | 320 | 468   | 566   | M10×22 |



# Installation and dimensions

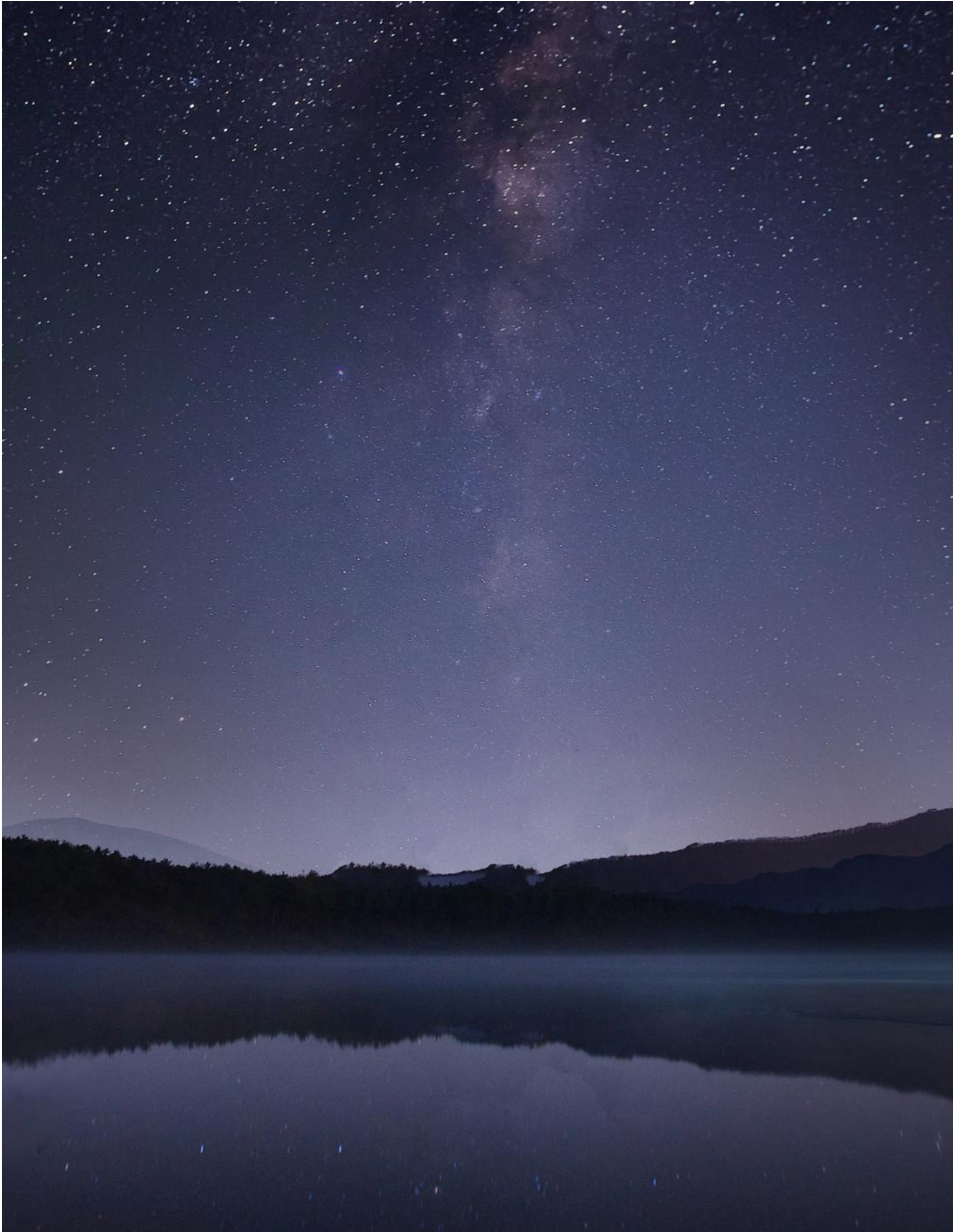
## IMV1 H180-355



| Type       | Poles          | Mounting dimensions |     |    |      |     |     |     |   |      |   | Flange<br>holes | Overall dimensions |     |      |       |       |        |
|------------|----------------|---------------------|-----|----|------|-----|-----|-----|---|------|---|-----------------|--------------------|-----|------|-------|-------|--------|
|            |                | D*                  | E   | F  | G    | M   | N*  | P   | R | S    | T |                 | AC                 | AD  | HF   | L     |       | (DH)*  |
|            |                |                     |     |    |      |     |     |     |   |      |   |                 |                    |     |      | IC411 | IC416 |        |
| TYP1-180M  | 2, 4, 6, 8     | 48                  | 110 | 14 | 42.5 | 300 | 250 | 350 | 0 | 18.5 | 5 | 4               | 380                | 310 | 500  | 800   | 905   | M16×36 |
| TYP1-180L  | 2, 4, 6, 8     | 48                  | 110 | 14 | 42.5 | 300 | 250 | 350 | 0 | 18.5 | 5 | 4               | 380                | 310 | 500  | 848   | 955   | M16×36 |
| TYP1-200L  | 2, 4, 6, 8, 10 | 55                  | 110 | 16 | 49   | 350 | 300 | 400 | 0 | 18.5 | 5 | 4               | 410                | 335 | 540  | 855   | 950   | M20×42 |
| TYP1-225S  | 4, 6, 8, 10    | 60                  | 140 | 18 | 53   | 400 | 350 | 450 | 0 | 18.5 | 5 | 8               | 470                | 370 | 605  | 925   | 1005  | M20×42 |
| TYP1-225M  | 2              | 55                  | 140 | 16 | 49   | 400 | 350 | 450 | 0 | 18.5 | 5 | 8               | 470                | 370 | 605  | 920   | 1000  | M20×42 |
|            | 4, 6, 8, 10    | 60                  | 140 | 18 | 53   | 400 | 350 | 450 | 0 | 18.5 | 5 | 8               | 470                | 370 | 605  | 950   | 1030  | M20×42 |
| TYP1-250M  | 2              | 60                  | 140 | 18 | 53   | 500 | 450 | 550 | 0 | 18.5 | 5 | 8               | 490                | 380 | 630  | 1035  | 1210  | M20×42 |
|            | 4, 6, 8, 10    | 65                  | 140 | 18 | 58   | 500 | 450 | 550 | 0 | 18.5 | 5 | 8               | 490                | 380 | 630  | 1035  | 1210  | M20×42 |
| TYP1-280S  | 2              | 65                  | 140 | 18 | 58   | 500 | 450 | 550 | 0 | 18.5 | 5 | 8               | 580                | 410 | 700  | 1115  | 1285  | M20×42 |
|            | 4, 6, 8, 10    | 75                  | 140 | 20 | 67.5 | 500 | 450 | 550 | 0 | 18.5 | 5 | 8               | 580                | 410 | 700  | 1115  | 1285  | M20×42 |
| TYP1-280M  | 2              | 65                  | 140 | 18 | 58   | 500 | 450 | 550 | 0 | 18.5 | 5 | 8               | 580                | 410 | 700  | 1157  | 1330  | M20×42 |
|            | 4, 6, 8, 10    | 75                  | 140 | 20 | 67.5 | 500 | 450 | 550 | 0 | 18.5 | 5 | 8               | 580                | 410 | 700  | 1157  | 1330  | M20×42 |
| TYP1-315S  | 2              | 65                  | 140 | 18 | 58   | 600 | 550 | 660 | 0 | 24   | 6 | 8               | 645                | 535 | 858  | 1325  | 1435  | M20×42 |
|            | 4, 6, 8, 10    | 80                  | 170 | 22 | 71   | 600 | 550 | 660 | 0 | 24   | 6 | 8               | 645                | 535 | 858  | 1355  | 1465  | M20×42 |
| TYP1-315M  | 2              | 65                  | 140 | 18 | 58   | 600 | 550 | 660 | 0 | 24   | 6 | 8               | 645                | 535 | 858  | 1440  | 1550  | M20×42 |
|            | 4, 6, 8, 10    | 80                  | 170 | 22 | 71   | 600 | 550 | 660 | 0 | 24   | 6 | 8               | 645                | 535 | 858  | 1465  | 1575  | M20×42 |
| TYP1-315L1 | 2              | 65                  | 140 | 18 | 58   | 600 | 550 | 660 | 0 | 24   | 6 | 8               | 645                | 535 | 858  | 1440  | 1550  | M20×42 |
|            | 4, 6, 8, 10    | 80                  | 170 | 22 | 71   | 600 | 550 | 660 | 0 | 24   | 6 | 8               | 645                | 535 | 858  | 1465  | 1575  | M20×42 |
| TYP1-315L2 | 2              | 65                  | 140 | 18 | 58   | 600 | 550 | 660 | 0 | 24   | 6 | 8               | 645                | 535 | 858  | 1580  | 1690  | M20×42 |
|            | 4              | 80                  | 170 | 22 | 71   | 600 | 550 | 660 | 0 | 24   | 6 | 8               | 645                | 535 | 858  | 1615  | 1725  | M20×42 |
| TYP1-355M  | 2              | 75                  | 140 | 20 | 67.5 | 740 | 680 | 800 | 0 | 24   | 6 | 8               | 720                | 650 | 1010 | 1640  | 1800  | M20×42 |
|            | 4, 6, 8, 10    | 95                  | 170 | 25 | 86   | 740 | 680 | 800 | 0 | 24   | 6 | 8               | 720                | 650 | 1010 | 1670  | 1830  | M20×42 |
| TYP1-355L  | 2              | 75                  | 140 | 20 | 67.5 | 740 | 680 | 800 | 0 | 24   | 6 | 8               | 720                | 650 | 1010 | 1640  | 1800  | M20×42 |
|            | 4, 6, 8, 10    | 95                  | 170 | 25 | 86   | 740 | 680 | 800 | 0 | 24   | 6 | 8               | 720                | 650 | 1010 | 1670  | 1830  | M24×47 |
| TYP1-355L2 | 4, 6, 8, 10    | 95                  | 170 | 25 | 86   | 740 | 680 | 800 | 0 | 24   | 6 | 8               | 720                | 650 | 1010 | 1880  | 2040  | M24×47 |

Notes: 1) Dimension R is the distance from the flange mounting surface to the auxiliary shoulder.

2) Dimension D Tolerance:  $\phi 19-28$ : j6;  $\phi 38-48$ : K6;  $\phi 55-80$ : m6;  $\phi 95$ : m6



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