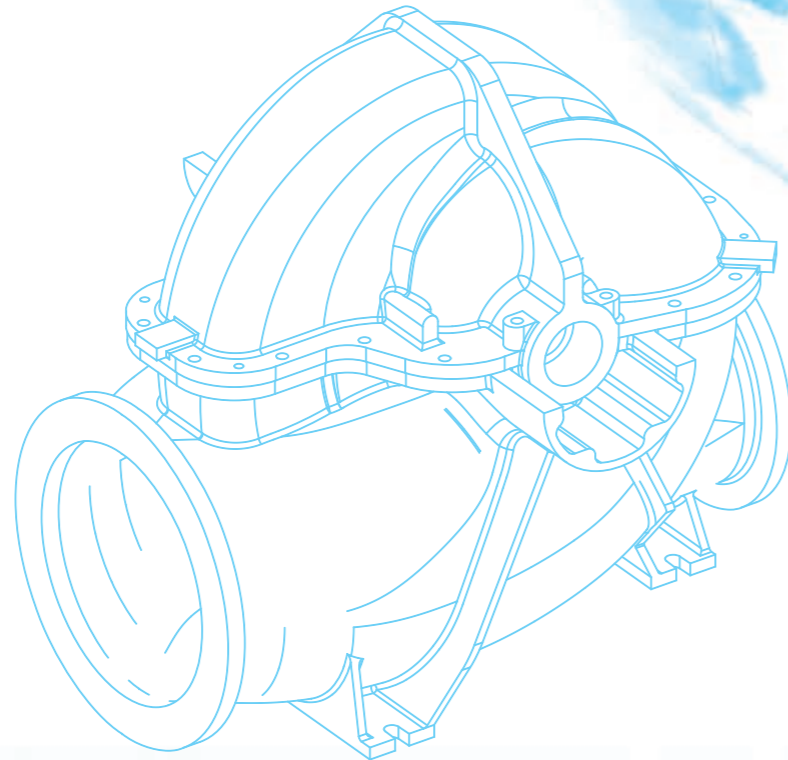




KUBOTA Double suction volute pump

DV-L type JC series



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Post Code: 238200

KUBOTA Double suction volute pump

DV-L type JC series

The double suction volute pump with higher efficiency and enhanced suction performance.

Double suction volute pump DV-LJC has been developed by Kubota Sanlian Pump using the state-of-the-art hydraulic analysis. It achieves both high suction performance and high efficiency, enabling stable and economical operation for a long time. Suitable pump can be selected from wide range of line-up. It can be used for various applications.

Features

1 High efficiency

High efficiency has been achieved using the state-of-the-art hydraulic analysis. This new design features energy saving and CO₂ reduction.

2 Wide operation range

High efficiency is maintained in wide operating range. It provides advantage in cost saving in long-time operation

3 High suction performance

Improvement of suction performance reduces harmful cavitation to the minimum. Stable operation even at lower water level can be achievable.

4 High durability and reliability

Its standard material, stainless steel, for impeller and shaft offers better durability and reliability. This pump also achieves high durability and reliability through optimum design using the FEM structural analysis.

5 Light weight and compact

We have pursued maximum reduction in weight and size. Installation space is minimized and handling of the pump is much easier.

Application

1 City

For water intake, water conveyance, pressurization, water distribution, front and back wash etc.

2 Industry

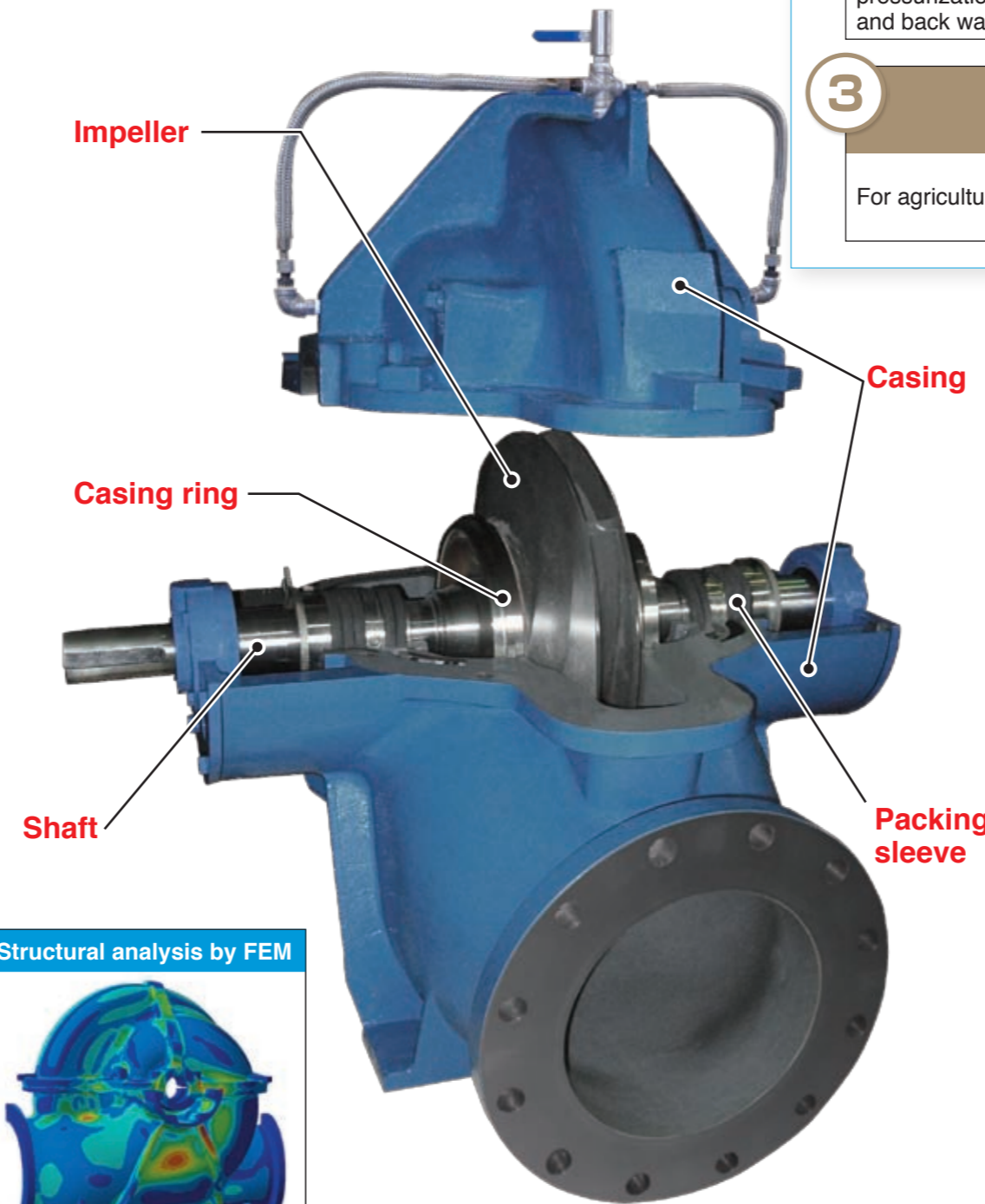
For water supply, cooling water circulation etc.

3 Irrigation

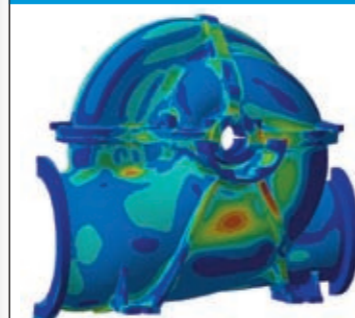
For agriculture, drainage etc.

4 Building, air-conditioning

For water supply, fire-extinguish, etc.



Structural analysis by FEM



FEM... Finite Element Method

Specification scope

- Suction bore : $\Phi 200 \sim \Phi 700$
- Capacity : $3.2 \text{m}^3/\text{min} \sim 108 \text{m}^3/\text{min}$
- Total head : $8 \text{m} \sim 180 \text{m}$
- Number of poles : 4P, 6P, 8P (See the selection table.)

Standard Material

| Parts name | Material/ Eq. JIS grade |
|----------------|--------------------------------|
| Casing | Gray iron casting/ FC250 |
| Impeller | Stainless steel casting/ SCS13 |
| Shaft | Stainless steel/ SUS403 |
| Casing ring | Stainless steel/ SUS304 |
| Packing sleeve | Stainless steel/ SUS304 |

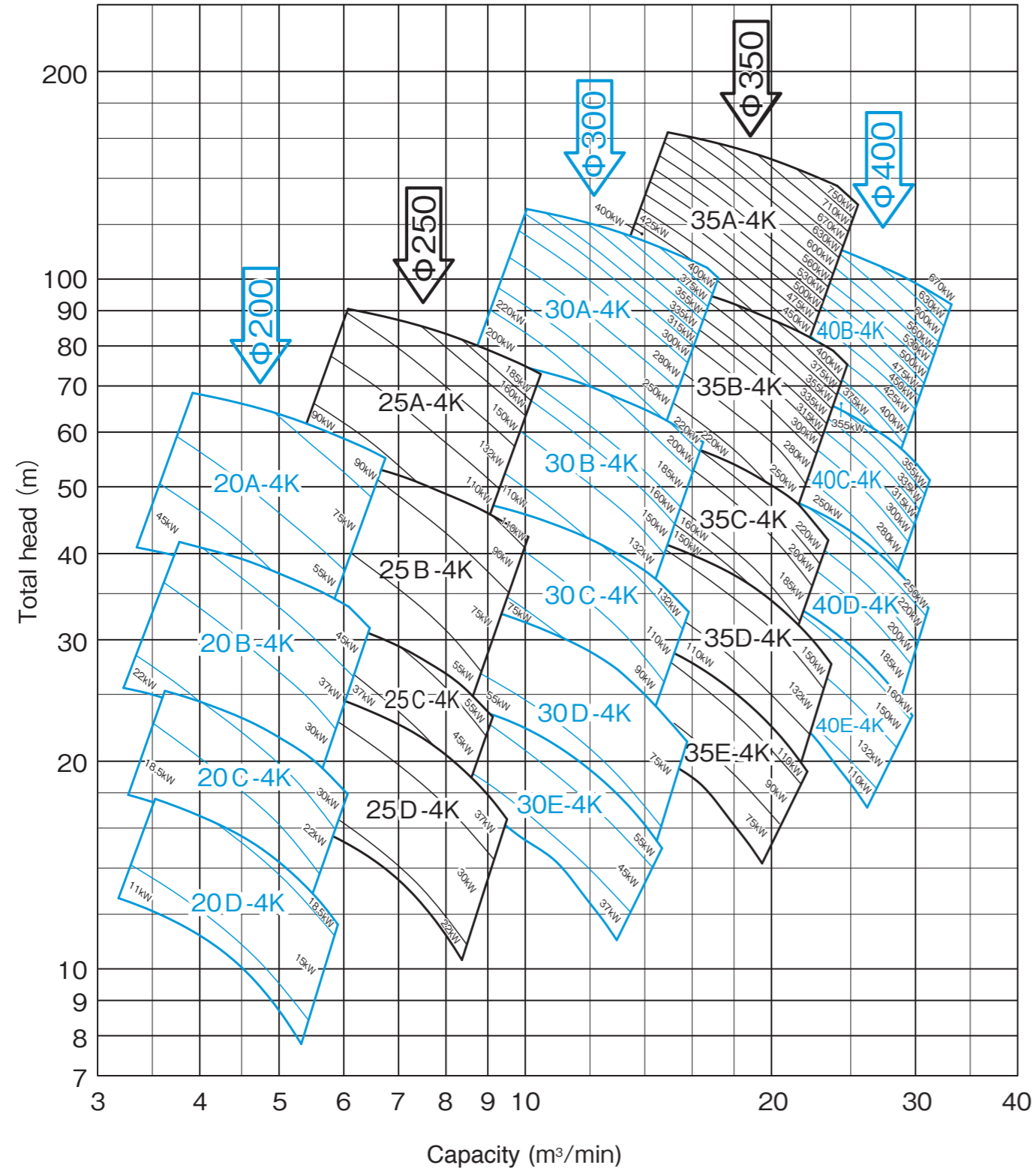
Pump specification

| | Standard | Optional |
|------------------------------------|--|----------------------------------|
| Liquid | Fresh water, river water, industrial water | Sea water |
| Liquid temperature | 0°C to 80°C | |
| Suction pressure | Max. 0.1MPa | |
| Flange | ISO | JIS |
| Bearing | Ball bearing | |
| Bearing lubrication | Grease | |
| Shaft seal | Gland packing | Mechanical seal |
| Sleeve | Only gland packing section | |
| Painting | Water contact part: Epoxy resin painting Water non-contact part: Epoxy resin painting | |
| Driving machine ^{Note 1)} | Electric motor (totally-enclosed-fan-cooled type) | |
| Rotating direction | Clockwise (viewed from drive machine) | Counterclockwise |
| Suction, discharge direction | horizontal-horizontal | |
| Accessory | Common base, foundation bolt coupling, coupling cover | Priming detector, pressure gauge |

Note 1) Contact us for driving machine other than electric motor.

Selection chart (Suction bore 200 to 400)

50Hz x 4P (Speed 1500min⁻¹)

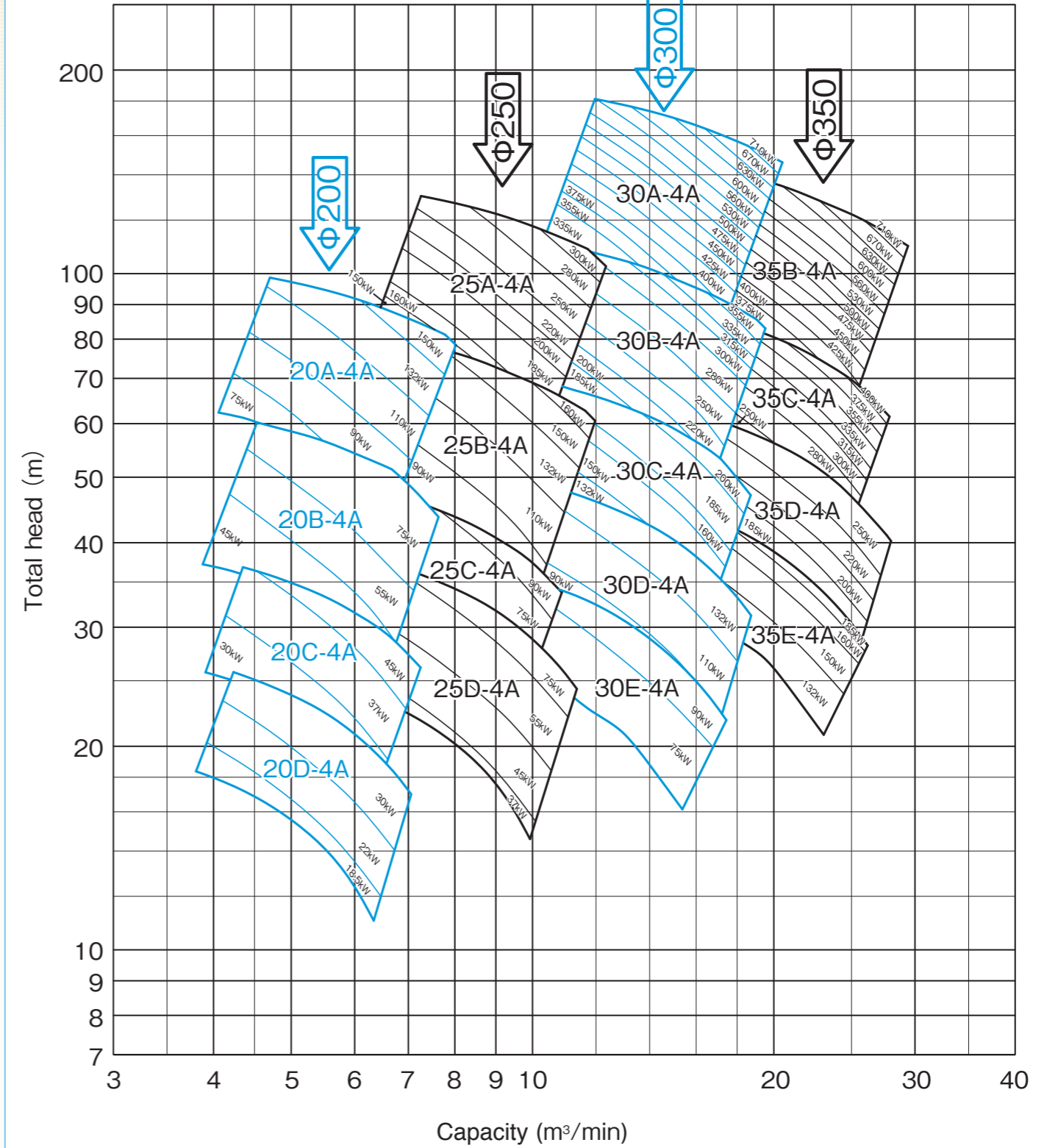


Description of symbol

20A-4A

Frame No. |
Number of poles (P) |
Frequency |
K:50Hz, A:60Hz

60Hz x 4P (Speed 1800min⁻¹)



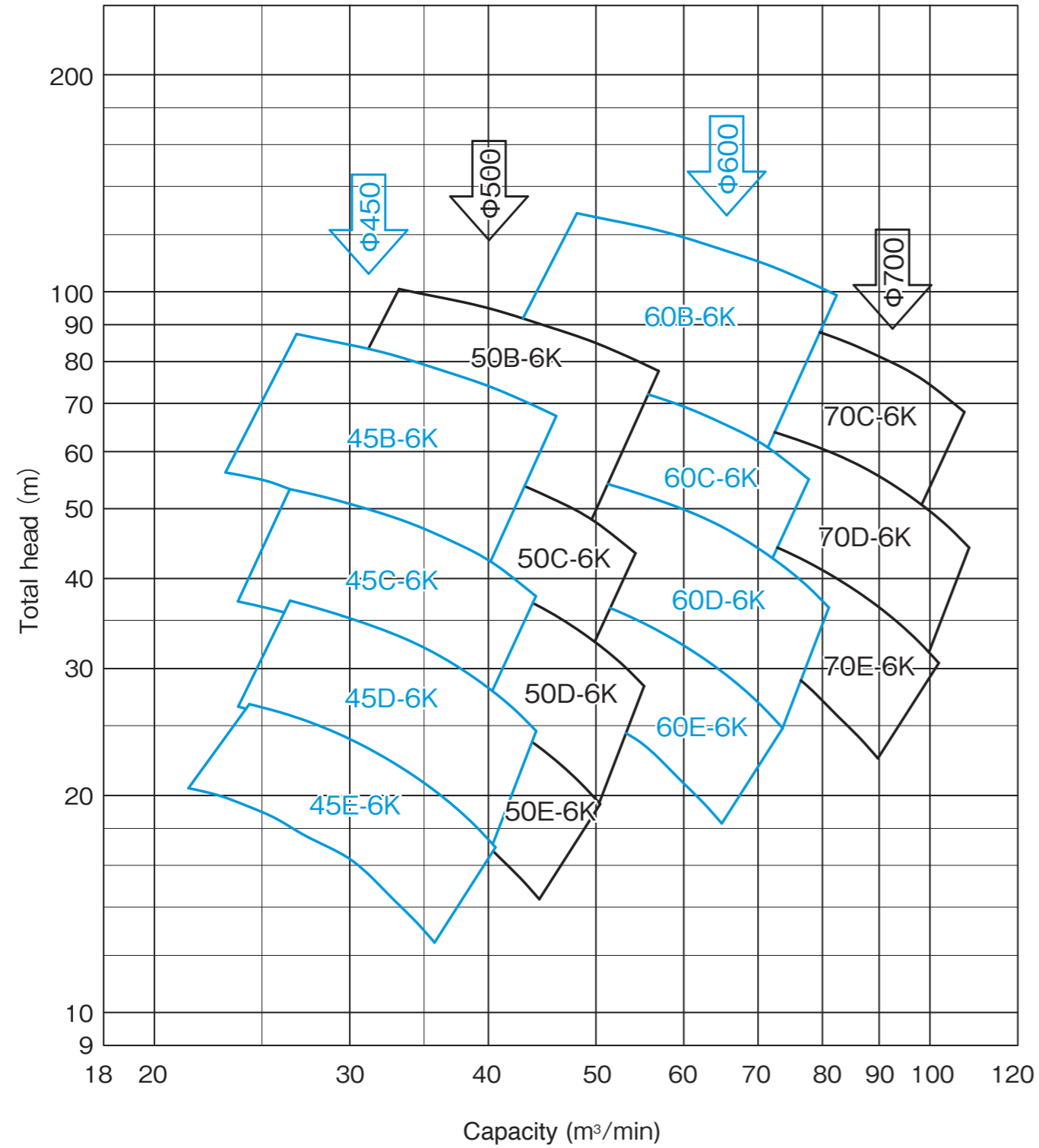
Description of symbol

20A-4A

Frame No. |
Number of poles (P) |
Frequency |
K:50Hz, A:60Hz

Selection chart (Suction bore 450 to 700)

50Hz x 6P (Speed 1000min⁻¹)

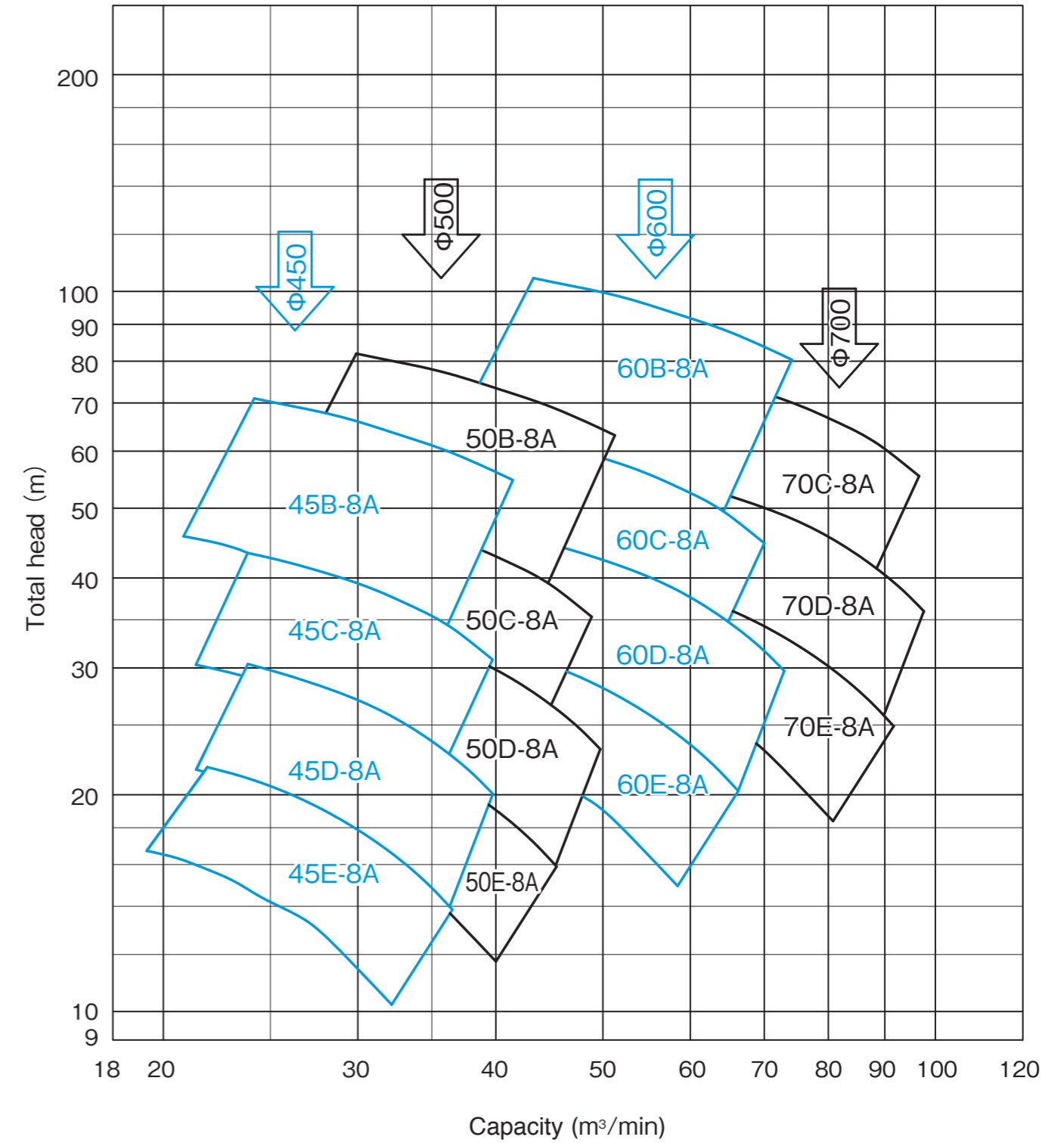


Description of symbol

20A-4A

Frame No. —
Number of poles (P) —
Frequency
K:50Hz, A:60Hz

60Hz x 8P (Speed 900min⁻¹)



Description of symbol

20A-4A

Frame No. —
Number of poles (P) —
Frequency
K:50Hz, A:60Hz

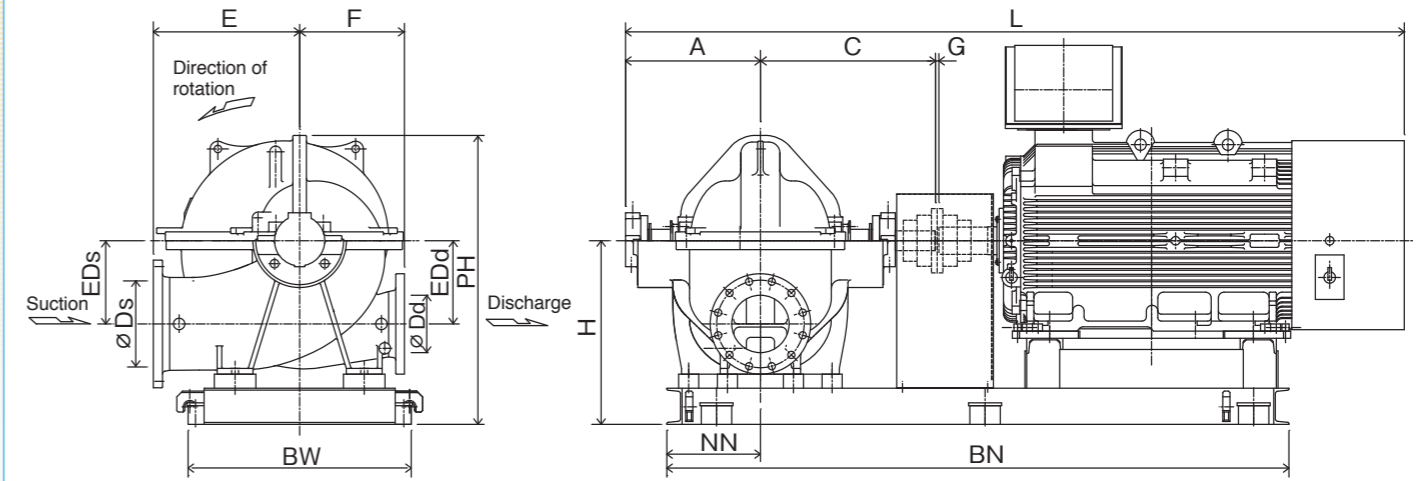
Outline dimension (Suction bore 200 to 400)

50Hz Frame No. 20A~40E

| | |
|--------------|---------------|
| Motor output | Motor voltage |
| ~150kW | 400V |
| 160kW~ | 3000V |

Unit (mm)

| Frame No. | Motor output (kW) | Pole | Ds | Dd | A | C | E | F | EDs | EDd | H | PH | G | L | BN | BW | NN | Mass (kg) |
|-----------|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|----|------|------|-----|-----|-----------|
| 20A-4K | 45 | 4 | 200 | 125 | 400 | 530 | 385 | 335 | 230 | 260 | 480 | 799 | 4 | 1734 | 1440 | 614 | 250 | 760 |
| | 55 | 4 | 200 | 125 | 400 | 530 | 385 | 335 | 230 | 260 | 480 | 799 | 4 | 1747 | 1440 | 614 | 250 | 830 |
| | 75 | 4 | 200 | 125 | 400 | 530 | 385 | 335 | 230 | 260 | 480 | 799 | 4 | 1866 | 1480 | 634 | 250 | 920 |
| 20B-4K | 22 | 4 | 200 | 125 | 385 | 500 | 335 | 280 | 215 | 215 | 465 | 726 | 3 | 1560 | 1300 | 534 | 250 | 570 |
| | 37.45 | 4 | 200 | 125 | 385 | 500 | 335 | 280 | 215 | 215 | 465 | 726 | 4 | 1689 | 1410 | 534 | 250 | 670 |
| 20C-4K | 18.5,22 | 4 | 200 | 150 | 360 | 465 | 315 | 280 | 200 | 200 | 450 | 673 | 3 | 1500 | 1270 | 534 | 250 | 490 |
| | 30 | 4 | 200 | 150 | 360 | 465 | 315 | 280 | 200 | 200 | 450 | 673 | 4 | 1539 | 1310 | 534 | 250 | 520 |
| 20D-4K | 11 | 4 | 200 | 150 | 355 | 450 | 310 | 280 | 190 | 190 | 440 | 647 | 3 | 1433 | 1210 | 534 | 250 | 360 |
| | 15 | 4 | 200 | 150 | 355 | 450 | 310 | 280 | 190 | 190 | 440 | 647 | 3 | 1433 | 1250 | 534 | 250 | 380 |
| | 18.5 | 4 | 200 | 150 | 355 | 450 | 310 | 280 | 190 | 190 | 440 | 647 | 3 | 1480 | 1250 | 534 | 250 | 440 |
| 25A-4K | 90 | 4 | 250 | 150 | 450 | 595 | 505 | 380 | 265 | 300 | 565 | 938 | 4 | 1981 | 1610 | 714 | 280 | 1210 |
| | 110 | 4 | 250 | 150 | 450 | 595 | 505 | 380 | 265 | 300 | 565 | 938 | 10 | 2131 | 1690 | 714 | 280 | 1290 |
| | 132 | 4 | 250 | 150 | 450 | 595 | 505 | 380 | 265 | 300 | 565 | 938 | 10 | 2131 | 1740 | 714 | 280 | 1360 |
| | 150,160 | 4 | 250 | 150 | 450 | 595 | 505 | 380 | 265 | 300 | 565 | 938 | 10 | 2221 | 1760 | 714 | 280 | 1650 |
| 25B-4K | 55 | 4 | 250 | 150 | 420 | 550 | 390 | 310 | 250 | 250 | 500 | 803 | 4 | 1787 | 1480 | 594 | 270 | 850 |
| | 75 | 4 | 250 | 150 | 420 | 550 | 390 | 310 | 250 | 250 | 500 | 803 | 4 | 1906 | 1520 | 584 | 270 | 940 |
| | 90 | 4 | 250 | 150 | 420 | 550 | 390 | 310 | 250 | 250 | 500 | 803 | 4 | 1906 | 1560 | 584 | 270 | 970 |
| | 110 | 4 | 250 | 150 | 420 | 550 | 390 | 310 | 250 | 250 | 500 | 803 | 10 | 2056 | 1630 | 654 | 270 | 1050 |
| 25C-4K | 37.45 | 4 | 250 | 150 | 400 | 515 | 360 | 310 | 230 | 230 | 480 | 736 | 4 | 1719 | 1440 | 594 | 270 | 710 |
| | 55 | 4 | 250 | 150 | 400 | 515 | 360 | 310 | 230 | 230 | 480 | 736 | 4 | 1732 | 1440 | 594 | 270 | 780 |
| 25D-4K | 22 | 4 | 250 | 200 | 375 | 490 | 355 | 310 | 220 | 220 | 470 | 711 | 3 | 1540 | 1310 | 594 | 270 | 560 |
| | 30 | 4 | 250 | 200 | 375 | 490 | 355 | 310 | 220 | 220 | 470 | 711 | 4 | 1579 | 1350 | 594 | 270 | 600 |
| | 37 | 4 | 250 | 200 | 375 | 490 | 355 | 310 | 220 | 220 | 470 | 711 | 4 | 1669 | 1420 | 594 | 270 | 660 |
| 30A-4K | 200~250 | 4 | 300 | 200 | 530 | 690 | 600 | 450 | 310 | 350 | 710 | 1170 | 10 | 2647 | 1960 | 852 | 330 | 2530 |
| | 280~400 | 4 | 300 | 200 | 530 | 690 | 600 | 450 | 310 | 350 | 710 | 1170 | 12 | 2854 | 2280 | 852 | 340 | 3130 |
| 30B-4K | 110 | 4 | 300 | 200 | 480 | 625 | 510 | 365 | 290 | 290 | 590 | 957 | 10 | 2191 | 1760 | 714 | 320 | 1340 |
| | 132 | 4 | 300 | 200 | 480 | 625 | 510 | 365 | 290 | 290 | 590 | 957 | 10 | 2191 | 1810 | 714 | 320 | 1410 |
| | 150,160 | 4 | 300 | 200 | 480 | 625 | 510 | 365 | 290 | 290 | 590 | 957 | 10 | 2281 | 1810 | 714 | 320 | 1690 |
| | 185~220 | 4 | 300 | 200 | 480 | 625 | 510 | 365 | 290 | 290 | 590 | 957 | 10 | 2532 | 1870 | 714 | 320 | 2010 |
| 30C-4K | 75 | 4 | 300 | 200 | 445 | 585 | 425 | 365 | 270 | 270 | 570 | 878 | 4 | 1966 | 1600 | 714 | 320 | 1040 |
| | 90 | 4 | 300 | 200 | 445 | 585 | 425 | 365 | 270 | 270 | 570 | 878 | 4 | 1966 | 1640 | 714 | 320 | 1070 |
| | 110 | 4 | 300 | 200 | 445 | 585 | 425 | 365 | 270 | 270 | 570 | 878 | 10 | 2116 | 1720 | 714 | 320 | 1140 |
| | 132 | 4 | 300 | 200 | 445 | 585 | 425 | 365 | 270 | 270 | 570 | 878 | 10 | 2116 | 1770 | 714 | 320 | 1220 |
| 30D-4K | 55 | 4 | 300 | 250 | 435 | 565 | 410 | 365 | 260 | 260 | 560 | 843 | 4 | 1817 | 1540 | 694 | 320 | 890 |
| | 75 | 4 | 300 | 250 | 435 | 565 | 410 | 365 | 260 | 260 | 560 | 843 | 4 | 1936 | 1580 | 714 | 320 | 980 |
| 30E-4K | 37.45 | 4 | 300 | 250 | 415 | 530 | 390 | 365 | 245 | 245 | 545 | 810 | 4 | 1749 | 1500 | 694 | 310 | 780 |
| | 55 | 4 | 300 | 250 | 415 | 530 | 390 | 365 | 245 | 245 | 545 | 810 | 4 | 1762 | 1500 | 694 | 310 | 850 |
| 35A-4K | 400 | 4 | 350 | 200 | 590 | 750 | 650 | 510 | 355 | 400 | 805 | 1311 | 12 | 2974 | 2400 | 922 | 370 | 3580 |
| | 425~630 | 4 | 350 | 200 | 590 | 750 | 650 | 510 | 355 | 400 | 855 | 1361 | 12 | 3242 | 2720 | 922 | 380 | 4560 |
| | 670~750 | 4 | 350 | 200 | 590 | 750 | 650 | 510 | 355 | 400 | 855 | 1361 | 14 | 3404 | 2850 | 934 | 380 | 5220 |
| 35B-4K | 220,250 | 4 | 350 | 200 | 560 | 720 | 565 | 415 | 335 | 335 | 735 | 1161 | 10 | 2707 | 2030 | 774 | 360 | 2490 |
| | 280~400 | 4 | 350 | 200 | 560 | 720 | 565 | 415 | 335 | 335 | 735 | 1161 | 12 | 2914 | 2340 | 792 | 370 | 3090 |
| 35C-4K | 150,160 | 4 | 350 | 200 | 510 | 655 | 520 | 415 | 310 | 310 | 710 | 1068 | 10 | 2341 | 1920 | 774 | 360 | 1830 |
| | 185~220 | 4 | 350 | 200 | 510 | 655 | 520 | 415 | 310 | 310 | 710 | 1068 | 10 | 2592 | 1960 | 774 | 360 | 2130 |
| 35D-4K | 110 | 4 | 350 | 250 | 480 | 620 | 450 | 415 | 295 | 295 | 595 | 920 | 10 | 2186 | 1780 | 774 | 350 | 1240 |
| | 132 | 4 | 350 | 250 | 480 | 620 | 450 | 415 | 295 | 295 | 645 | 970 | 10 | 2186 | 1870 | 774 | 360 | 1340 |
| | 150 | 4 | 350 | 250 | 480 | 620 | 450 | 415 | 295 | 295 | 645 | 970 | 10 | 2276 | 1870 | 774 | 360 | 1480 |
| 35E-4K | 75 | 4 | 350 | 250 | 460 | 590 | 435 | 415 | 280 | 280 | 580 | 880 | 4 | 1986 | 1640 | 774 | 350 | 1060 |
| | 90 | 4 | 350 | 250 | 460 | 590 | 435 | 415 | 280 | 280 | 580 | 880 | 4 | 1986 | 1680 | 774 | 350 | 1090 |
| | 110 | 4 | 350 | 250 | 460 | 590 | 435 | 415 | 280 | 280 | 580 | 880 | 10 | 2136 | 1750 | 774 | 350 | 1160 |
| 40B-4K | 355~400 | 4 | 400 | 250 | 570 | 730 | 610 | 455 | 365 | 365 | 815 | 1276 | 12 | 2934 | 2400 | 852 | 400 | 3370 |
| | 425~630 | 4 | 400 | 250 | 570 | 730 | 610 | 455 | 365 | 365 | 865 | 1326 | 12 | 3202 | 2730 | 852 | 410 | 4340 |
| | 670 | 4 | 400 | 250 | 570 | 730 | 610 | 455 | 365 | 365 | 865 | 1326 | 14 | 3364 | 2860 | 934 | 410 | 5020 |
| 40C-4K | 250 | 4 | 400 | 250 | 530 | 675 | 565 | 455 | 340 | 340 | 740 | 1130 | 10 | 2632 | 2010 | 834 | 390 | 2330 |
| | 280~355 | 4 | 400 | 250 | 530 | 675 | 565 | 455 | 340 | 340 | 790 | 1180 | 12 | 2839 | 2350 | 852 | 400 | 2890 |
| 40D-4K | 185~250 | 4 | 400 | 300 | 510 | 645 | 555 | 455 | 320 | 320 | 720 | 1074 | 10 | 2582 | 1980 | 834 | 390 | 2140 |
| 40E-4K | 110 | 4 | 400 | 300 | 480 | 610 | 475 | 455 | 310 | 310 | 660 | 989 | 10 | 2176 | 1820 | 834 | 380 | 1290 |
| | 132 | 4 | 400 | 300 | 480 | 610 | 475 | 455 | 310 | 310 | 660 | 989 | 10 | 2176 | 1880 | 834 | 380 | 1370 |
| | 150,160 | 4 | 400 | 300 | 480 | 610 | 475 | 455 | 310 | 310 | 660 | 989 | 10 | 2266 | 1880 | 834 | 380 | 1650 |



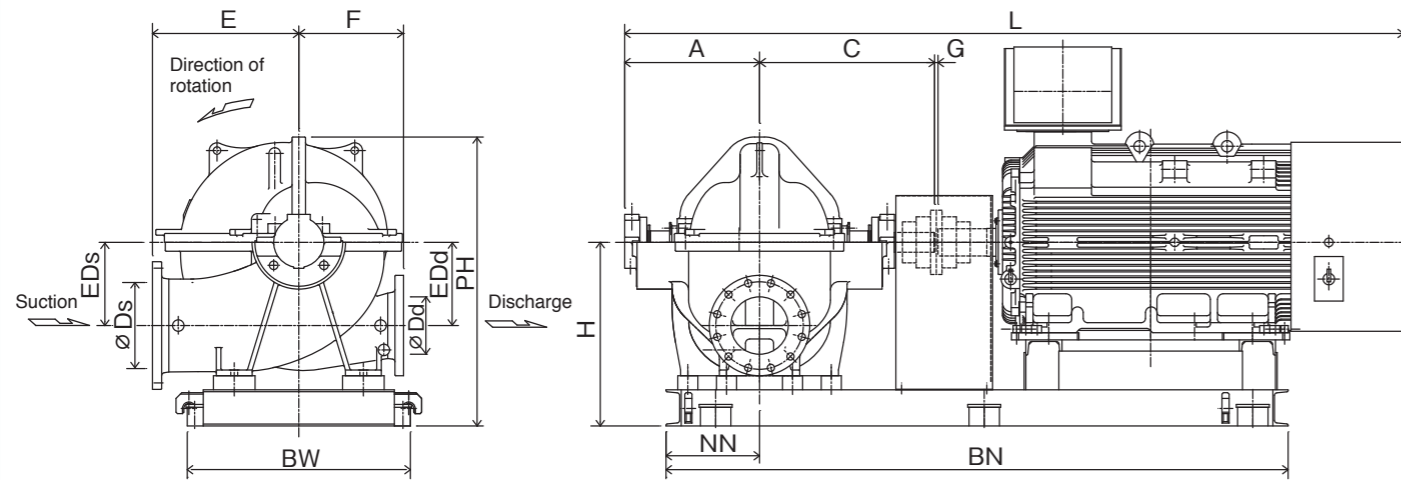
| | |
|--------------|---------------|
| Motor output | Motor voltage |
| ~150kW | 440V |
| 160kW~ | 3300V |

Unit (mm)

60Hz Frame No. 20A~35E

| Frame No. | Motor output (kW) | Pole | Ds | Dd | A | C | E | F | EDs | EDd | H | PH | G | L | BN | BW | NN | Mass (kg) |
|-----------|-------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|------|-----|-----|-----------|
| 20A-4A | 75 | 4 | 200 | 125 | 400 | 530 | 385 | 335 | 230 | 260 | 480 | 799 | 4 | 1866 | 1480 | 634 | 250 | 920 |
| | 90 | 4 | 200 | 125 | 400 | 530 | 385 | 335 | 230 | 260 | 480 | 799 | 4 | 1866 | 1520 | 634 | 250 | 950 |
| | 110 | 4 | 200 | 125 | 400 | 530 | 385 | 335 | 230 | 260 | 480 | 799 | 10 | 2016 | 1590 | 654 | 250 | 1030 |
| | 132 | 4 | 200 | 125 | 400 | 530 | 385 | 335 | 230 | 260 | 480 | 799 | 10 | 2016 | 1650 | 654 | 250 | 1100 |
| 20B-4A | 45 | 4 | 200 | 125 | 385 | 500 | 335 | 280 | 215 | 215 | 465 | 726 | 4 | 1689 | 1410 | 534 | 250 | 670 |
| | 55 | 4 | 200 | 125 | 385 | 500 | 335 | 280 | 215 | 215 | 465 | 726 | 4 | 1702 | 1410 | 534 | 250 | 750 |
| 20C-4A | 30 | 4 | 200 | 150 | 360 | 465 | 315 | 280 | 200 | 200 | 450 | 673 | 3 | 1539 | 1310 | 534 | 250 | 490 |
| | 37.45 | 4 | 200 | 150 | 360 | 465 | 315 | 280 | 200 | 200 | 450 | 673 | 4 | 1629 | 1370 | 534 | 250 | 590 |
| | 18.5,22 | 4 | 200 | 150 | 355 | 450 | 310 | 280 | 190 | 190 | 440 | 647 | 3 | 1480 | 1250 | 534 | 250 | 440 |
| | 30 | 4 | 200 | 150 | 355 | 450 | 310 | 280 | 190 | 190 | 440 | 647 | 4 | 1519 | 1290 | 534 | 250 | 490 |
| 25A-4A | 150~185 | 4 | 250 | 150 | 450 | 595 | 505 | 380 | 265 | 300 | 615 | 988 | 10 | 2221 | 1800 | 714 | 290 | 1680 |
| | 200~280 | 4 | 250 | 150 | 450 | 595 | 505 | 380 | 265 | 300 | 615 | 988 | 10 | 2472 | 1830 | 714 | 290 | 2040 |
| | 300 | 4 | 250 | 150 | 450 | 595 | 505 | 380 | 265 | 300 | 615 | 988 | 12 | 2679 | 2110 | 752 | 290 | 2360 |
| | 90 | 4 | 250 | 150 | 420 | 550 | 390 | 310 | 250 | 250 | 500 | 803 | 4 | 1906 | 1560 | 584 | 270 | 970 |
| 25B-4A | 110 | 4 | 250 | 150 | 420 | 550 | 390 | 310 | 250 | 250 | 500 | 803 | 10 | 2056 | 1630 | 654 | 270 | 1050 |
| | 132 | 4 | 250 | 150 | | | | | | | | | | | | | | |

Outline dimension (Suction bore 450 to 700)



50Hz Frame No. 45B~70E

| Motor output | Motor voltage |
|--------------|---------------|
| ~150kW | 400V |
| 160kW~ | 300V |

Unit (mm)

| Frame No. | Motor output (kW) | Poles | Ds | Dd | A | C | E | F | EDs | EDd | H | PH | G | L | BN | BW | NN | Mass (kg) |
|-----------|-------------------|-------|-----|-----|-----|------|-----|-----|-----|-----|------|------|----|------|------|------|-----|-----------|
| 45B-6K | 670 | 6 | 450 | 300 | 675 | 835 | 760 | 580 | 470 | 470 | 970 | 1550 | 14 | 3574 | 3050 | 1074 | 500 | 6020 |
| 45C-6K | 375 | 6 | 450 | 300 | 635 | 795 | 705 | 580 | 440 | 440 | 940 | 1434 | 12 | 3332 | 2880 | 1052 | 500 | 4280 |
| 45D-6K | 250 | 6 | 450 | 350 | 615 | 760 | 610 | 580 | 415 | 415 | 865 | 1313 | 12 | 3009 | 2530 | 1052 | 490 | 3220 |
| 45E-6K | 160 | 6 | 450 | 400 | 565 | 700 | 595 | 580 | 395 | 395 | 795 | 1208 | 10 | 2441 | 2090 | 1034 | 480 | 2050 |
| 50B-6K | 950 | 6 | 500 | 300 | 770 | 950 | 825 | 625 | 505 | 505 | 1055 | 1683 | 14 | 4119 | 3480 | 1128 | 520 | 8100 |
| 50C-6K | 530 | 6 | 500 | 300 | 700 | 860 | 760 | 625 | 470 | 470 | 1020 | 1554 | 14 | 3624 | 3100 | 1124 | 520 | 5860 |
| 50D-6K | 335 | 6 | 500 | 400 | 645 | 805 | 740 | 625 | 445 | 445 | 995 | 1476 | 12 | 3352 | 2910 | 1102 | 520 | 4240 |
| 50E-6K | 220 | 6 | 500 | 400 | 600 | 745 | 710 | 625 | 425 | 425 | 925 | 1369 | 12 | 2979 | 2530 | 1102 | 510 | 3170 |
| 60B-6K | 1700 | 6 | 600 | 350 | 875 | 1095 | 935 | 700 | 570 | 570 | 1220 | 1938 | 16 | 5141 | 4340 | 1328 | 590 | 12110 |
| 60C-6K | 950 | 6 | 600 | 350 | 815 | 1005 | 860 | 700 | 525 | 525 | 1125 | 1730 | 14 | 4219 | 3590 | 1268 | 580 | 8430 |
| 60D-6K | 630 | 6 | 600 | 450 | 735 | 895 | 840 | 650 | 505 | 505 | 1105 | 1654 | 14 | 3694 | 3190 | 1254 | 580 | 6240 |
| 60E-6K | 400 | 6 | 600 | 450 | 680 | 840 | 800 | 650 | 480 | 480 | 1080 | 1581 | 12 | 3422 | 3010 | 1232 | 580 | 4660 |
| 70C-6K | 1600 | 6 | 700 | 400 | 910 | 1130 | 965 | 780 | 585 | 585 | 1285 | 1964 | 16 | 4791 | 4050 | 1426 | 640 | 12600 |
| 70D-6K | 1000 | 6 | 700 | 500 | 845 | 1025 | 930 | 725 | 555 | 555 | 1205 | 1814 | 14 | 4269 | 3670 | 1388 | 640 | 8710 |
| 70E-6K | 670 | 6 | 700 | 500 | 765 | 945 | 890 | 725 | 530 | 530 | 1180 | 1742 | 14 | 3774 | 3300 | 1374 | 640 | 6640 |

| Motor output | Motor voltage |
|--------------|---------------|
| ~150kW | 440V |
| 160kW~ | 3300V |

Unit (mm)

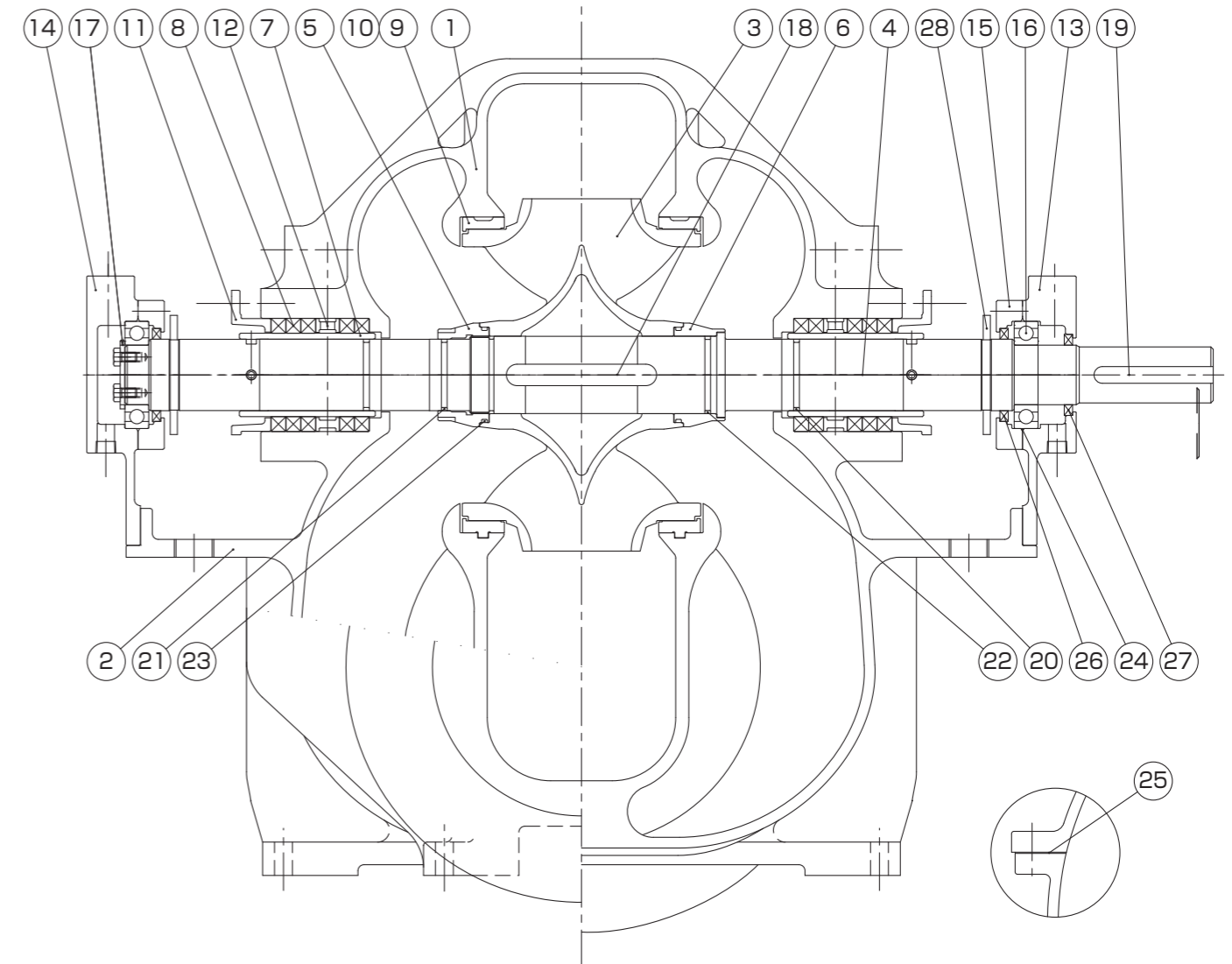
60Hz Frame No. 45B~70E

| Frame No. | Motor output (kW) | Poles | Ds | Dd | A | C | E | F | EDs | EDd | H | PH | G | L | BN | BW | NN | Mass (kg) |
|-----------|-------------------|-------|-----|-----|-----|------|-----|-----|-----|-----|------|------|----|------|------|------|-----|-----------|
| 45B-8A | 475 | 8 | 450 | 300 | 675 | 835 | 760 | 580 | 470 | 470 | 970 | 1550 | 14 | 3574 | 3050 | 1074 | 500 | 5550 |
| 45C-8A | 280 | 8 | 450 | 300 | 635 | 795 | 705 | 580 | 440 | 440 | 940 | 1434 | 12 | 3332 | 2850 | 1052 | 490 | 4260 |
| 45D-8A | 185 | 8 | 450 | 350 | 615 | 760 | 610 | 580 | 415 | 415 | 865 | 1313 | 12 | 3009 | 2530 | 1052 | 490 | 3050 |
| 45E-8A | 132 | 8 | 450 | 400 | 565 | 700 | 595 | 580 | 395 | 395 | 795 | 1208 | 10 | 2692 | 2130 | 1034 | 480 | 2330 |
| 50B-8A | 670 | 8 | 500 | 300 | 770 | 950 | 825 | 625 | 505 | 505 | 1055 | 1683 | 14 | 3924 | 3280 | 1128 | 520 | 7770 |
| 50C-8A | 375 | 8 | 500 | 300 | 700 | 860 | 760 | 625 | 470 | 470 | 1020 | 1554 | 12 | 3462 | 2970 | 1102 | 520 | 4780 |
| 50D-8A | 250 | 8 | 500 | 400 | 645 | 805 | 740 | 625 | 445 | 445 | 945 | 1426 | 12 | 3084 | 2590 | 1102 | 510 | 3370 |
| 50E-8A | 160 | 8 | 500 | 400 | 600 | 745 | 710 | 625 | 425 | 425 | 925 | 1369 | 10 | 2772 | 2250 | 1102 | 510 | 2750 |
| 60B-8A | 1300 | 8 | 600 | 350 | 875 | 1095 | 935 | 700 | 570 | 570 | 1220 | 1938 | 16 | 4721 | 3970 | 1306 | 590 | 11930 |
| 60C-8A | 710 | 8 | 600 | 350 | 815 | 1005 | 860 | 700 | 525 | 525 | 1125 | 1730 | 14 | 4024 | 3390 | 1268 | 580 | 8090 |
| 60D-8A | 475 | 8 | 600 | 450 | 735 | 895 | 840 | 650 | 505 | 505 | 1105 | 1654 | 14 | 3694 | 3190 | 1254 | 580 | 5870 |
| 60E-8A | 300 | 8 | 600 | 450 | 680 | 840 | 800 | 650 | 480 | 480 | 1030 | 1531 | 12 | 3422 | 2970 | 1232 | 570 | 4600 |
| 70C-8A | 1200 | 8 | 700 | 400 | 910 | 1130 | 965 | 780 | 585 | 585 | 1285 | 1964 | 16 | 4641 | 3900 | 1426 | 640 | 11390 |
| 70D-8A | 750 | 8 | 700 | 500 | 845 | 1025 | 930 | 725 | 555 | 555 | 1205 | 1814 | 14 | 4139 | 3540 | 1388 | 640 | 8150 |
| 70E-8A | 500 | 8 | 700 | 500 | 765 | 945 | 890 | 725 | 530 | 530 | 1180 | 1742 | 14 | 3774 | 3300 | 1374 | 640 | 6270 |

Note 1) Dimensions of electric motor and base related dimensions depend on output and model of electric motor. Note 2) This table shows one example for mounting totally-enclosed-fan-cooled electric motor.
Note 3) These described weights are total of pump, electric motor and standard accessories. Note 4) All dimensions and weights are reference only not to be use for construction.

Construction drawing

Suction bore 200~700 (Frame No. 20A~70E)



| No. | Parts name |
|-----|-------------------|
| ① | Upper casing |
| ② | Lower casing |
| ③ | Impeller |
| ④ | Shaft |
| ⑤ | Impeller nut |
| ⑥ | Impeller set ring |
| ⑦ | Packing sleeve |
| ⑧ | Gland packing |
| ⑨ | Casing ring (1) |
| ⑩ | Casing ring (2) |

| No. | Parts name |
|-----|---------------------|
| ⑪ | Gland |
| ⑫ | Lantern ring |
| ⑬ | Bearing support (1) |
| ⑭ | Bearing support (2) |
| ⑮ | Bearing cover |
| ⑯ | Ball bearing |
| ⑰ | Bearing collar |
| ⑱ | Key(for Impeller) |
| ⑲ | Key(for Coupling) |
| ⑳ | O-ring (1) |

| No. | Parts name |
|-----|---------------|
| ㉑ | O-ring (2) |
| ㉒ | O-ring (3) |
| ㉓ | O-ring (4) |
| ㉔ | O-ring (5) |
| ㉕ | Sheet packing |
| ㉖ | Dust seal (1) |
| ㉗ | Dust seal (2) |
| ㉘ | Deflector |