



Application

The fans are designed for transporting clean and slightly dusted air. They are used as elements of various ventilation systems and to generate air blast in numerous industrial processes.

Construction

High-pressure, centrifugal, direct-driven fans. The rotor with welded, backward-tilted blades is made of steel sheet. The housing is made of welded steel sheet, reinforced with steel angle bars and connected to the base of the electric motor. The whole set is painted with powder paint.

Electric motor

Asynchronous, three phase 400V, 50Hz, IE3. The motors are manufactured in accordance with the IEC 60034-1 standard. Insulation class F, degree of protection IP 55. On request, we can supply motors driven by another voltage or frequency, and/or with an increased level of protection.

Additional accessories

Inlet and outlet adaptors, noise suppressor, noise dampening housing for motors, vibration dampeners, etc.

Fans and accessories are selected on request.

Beteckningar

Teknisk data

| Modell | Märkspänning [V] | Hastighet [r.p.m.] | P max [W] | I max [A] | Q max [m ³ /h] | P statistiskt [Pa] | Vikt [kg] | Temp. min. [°C] | Temp. max. [°C] |
|------------------|------------------|--------------------|-----------|-----------|---------------------------|--------------------|-----------|-----------------|-----------------|
| BH-2-315-110T | 400 | 2985 | 1100 | 2.5 | 3650 | 1630 | 40 | -20 | 40 |
| BH-2-355-220T | 400 | 2985 | 2200 | 4.3 | 5170 | 2075 | 62 | -20 | 40 |
| BH-2-400-400T | 400 | 2985 | 4000 | 7.4 | 7430 | 2630 | 93 | -20 | 40 |
| BH-2-450-750T | 400 | 2985 | 7500 | 13.3 | 10560 | 3330 | 140 | -20 | 40 |
| BH-2-500-1100T | 400 | 2985 | 11000 | 19.6 | 14520 | 4100 | 215 | -20 | 40 |
| BH-2-560-1850T | 400 | 2985 | 18500 | 32.1 | 20500 | 5150 | 280 | -20 | 40 |
| BH-2-630-3700T | 400 | 2985 | 37000 | 63 | 29200 | 6520 | 475 | -20 | 40 |
| BH-2-710-7500T | 400 | 2985 | 75000 | 126 | 41650 | 8280 | 890 | -20 | 40 |
| BH-4-315-055T | 400 | 1490 | 550 | 1.6 | 1820 | 410 | 35 | -20 | 40 |
| BH-4-355-055T | 400 | 1490 | 550 | 1.6 | 2580 | 515 | 50 | -20 | 40 |
| BH-4-400-110T | 400 | 1490 | 1100 | 2.5 | 3710 | 650 | 75 | -20 | 40 |
| BH-4-450-220T | 400 | 1490 | 2200 | 4.6 | 5270 | 830 | 100 | -20 | 40 |
| BH-4-500-220T | 400 | 1490 | 2200 | 4.6 | 7240 | 1020 | 144 | -20 | 40 |
| BH-4-560-300T | 400 | 1490 | 3000 | 8.1 | 10230 | 1280 | 173 | -20 | 40 |
| BH-4-630-400T | 400 | 1490 | 4000 | 10.4 | 14580 | 1620 | 223 | -20 | 40 |
| BH-4-710-750T | 400 | 1490 | 7500 | 20.9 | 20790 | 2060 | 300 | -20 | 40 |
| BH-4-800-1500T | 400 | 1490 | 15000 | 28.3 | 29620 | 2620 | 497 | -20 | 40 |
| BH-4-900-3000T | 400 | 1490 | 30000 | 52 | 42200 | 3310 | 733 | -20 | 40 |
| BH-4-1000-4500T | 400 | 1490 | 45000 | 78 | 58150 | 4090 | 913 | -20 | 40 |
| BH-4-1120-7500T | 400 | 1490 | 75000 | 125 | 81850 | 5130 | 1334 | -20 | 40 |
| BH-4-1250-13200T | 400 | 1490 | 132000 | 219 | 114250 | 6390 | 1785 | -20 | 40 |
| BH-6-800-550T | 400 | 990 | 5500 | 11.1 | 19690 | 1160 | 410 | -20 | 40 |
| BH-6-900-750T | 400 | 990 | 7500 | 14.8 | 28030 | 1470 | 468 | -20 | 40 |
| BH-6-1000-1500T | 400 | 990 | 15000 | 29.3 | 38650 | 1810 | 700 | -20 | 40 |

| Modell | Märkspänning [V] | Hastighet [r.p.m.] | P max [W] | I max [A] | Q max [m ³ /h] | P statistiskt [Pa] | Vikt [kg] | Temp. min. [°C] | Temp. max. [°C] |
|-----------------|------------------|--------------------|-----------|-----------|---------------------------|--------------------|-----------|-----------------|-----------------|
| BH-6-1120-3000T | 400 | 990 | 30000 | 56 | 54400 | 2270 | 1015 | -20 | 40 |
| BH-6-1250-4500T | 400 | 990 | 45000 | 86 | 75950 | 2825 | 1390 | -20 | 40 |

Dimensioner (mått i millimeter)



| Model | A | B | C | D | E | F* | H | L* | Q1* | Q2 | T* | U* | V | no x ØK | a | a1 |
|---------|-----|-----|-----|------|-----|------|------|------|------|-----|-----|------|-----|---------|------|-----|
| BH 315 | 211 | 248 | 230 | 285 | 153 | 335 | 375 | 400 | 400 | 150 | 180 | 438 | 125 | 6xØ11,5 | 286 | 260 |
| BH 355 | 236 | 277 | 255 | 318 | 163 | 345 | 425 | 400 | 400 | 180 | 180 | 458 | 135 | 6xØ14 | 312 | 286 |
| BH 400 | 264 | 309 | 285 | 356 | 175 | 398 | 465 | 440 | 400 | 180 | 220 | 523 | 148 | 6xØ14 | 362 | 326 |
| BH 450 | 296 | 352 | 319 | 404 | 189 | 412 | 512 | 440 | 460 | 180 | 220 | 550 | 162 | 6xØ14 | 397 | 361 |
| BH 500 | 333 | 395 | 348 | 454 | 205 | 518 | 566 | 600 | 500 | 250 | 300 | 667 | 183 | 6xØ17 | 437 | 401 |
| BH 560 | 375 | 442 | 392 | 508 | 224 | 667 | 645 | 700 | 550 | 250 | 420 | 828 | 207 | 6xØ17 | 482 | 446 |
| BH 630 | 422 | 496 | 441 | 570 | 244 | 787 | 725 | 910 | 650 | 250 | 500 | 958 | 237 | 6xØ17 | 532 | 496 |
| BH 710 | 469 | 550 | 490 | 633 | 266 | 910 | 775 | 1010 | 750 | 250 | 600 | 1104 | 260 | 6xØ17 | 582 | 546 |
| BH 800 | 525 | 616 | 548 | 708 | 291 | 810 | 895 | 840 | 670 | 250 | 450 | 1014 | 295 | 6xØ17 | 642 | 606 |
| BH 900 | 591 | 696 | 618 | 800 | 317 | 861 | 980 | 1000 | 745 | 300 | 520 | 1116 | 301 | 6xØ17 | 752 | 702 |
| BH 1000 | 666 | 782 | 694 | 899 | 347 | 991 | 1130 | 1200 | 850 | 300 | 600 | 1266 | 341 | 6xØ22 | 832 | 782 |
| BH 1120 | 750 | 879 | 781 | 1011 | 383 | 1126 | 1250 | 1350 | 950 | 300 | 700 | 1436 | 376 | 6xØ22 | 922 | 872 |
| BH 1250 | 844 | 988 | 879 | 1137 | 423 | 1316 | 1390 | 1470 | 1050 | 300 | 800 | 1641 | 441 | 6xØ22 | 1022 | 972 |

| Model | a2 | e1 | no x z1 | b | b1 | b2 | e | no x z | no x ØW | d1 | d2 | d3 | no x Ød |
|---------|-----|-------|---------|-----|-----|-----|-------|--------|---------|-----|------|-----|----------|
| BH 315 | 224 | 130 | - | 242 | 216 | 180 | 108 | - | 8xØ10 | 227 | 297 | 265 | 8xØ11,5 |
| BH 355 | 250 | 143 | - | 262 | 236 | 200 | 118 | - | 8xØ10 | 253 | 323 | 292 | 8xØ11,5 |
| BH 400 | 280 | 163 | - | 286 | 260 | 224 | 130 | - | 8xØ10 | 283 | 363 | 332 | 8xØ11,5 |
| BH 450 | 315 | 118 | 1x125 | 312 | 286 | 250 | 143 | - | 10xØ12 | 318 | 398 | 366 | 8xØ11,5 |
| BH 500 | 355 | 138 | 1x125 | 362 | 326 | 280 | 163 | - | 10xØ12 | 358 | 438 | 405 | 8xØ11,5 |
| BH 560 | 400 | 160,5 | 1x125 | 397 | 361 | 315 | 118 | 1x125 | 12xØ12 | 404 | 484 | 448 | 12xØ11,5 |
| BH 630 | 450 | 60,5 | 3x125 | 437 | 401 | 355 | 138 | 1x125 | 18xØ12 | 454 | 534 | 497 | 12xØ11,5 |
| BH 710 | 500 | 85,5 | 3x125 | 482 | 446 | 400 | 160,5 | 1x125 | 18xØ12 | 504 | 584 | 551 | 12xØ11,5 |
| BH 800 | 560 | 115,5 | 3x125 | 532 | 496 | 450 | 60,5 | 3x125 | 20xØ12 | 564 | 664 | 629 | 16xØ14 |
| BH 900 | 630 | 163,5 | 3x125 | 582 | 546 | 500 | 85,5 | 3x125 | 20xØ12 | 634 | 734 | 698 | 16xØ14 |
| BH 1000 | 710 | 78,5 | 5x125 | 642 | 606 | 560 | 115,5 | 3x125 | 24xØ12 | 714 | 814 | 775 | 16xØ14 |
| BH 1120 | 800 | 123,5 | 5x125 | 752 | 702 | 630 | 163,5 | 3x125 | 24xØ12 | 804 | 904 | 861 | 24xØ14 |
| BH 1250 | 900 | 173,5 | 5x125 | 832 | 782 | 710 | 78,5 | 5x125 | 28xØ12 | 904 | 1004 | 958 | 24xØ14 |

* - dimensions depending on type of motor

** - some dimensions may differ, depending on orientation, outlet / inlet arrangement

Direktiv ErP

| Modell | Mätkategori | Effektivitetskategori | Energieffektivitet | Energieffektivitetskrav 2015 | Koefficient N | min. krav koefficient N 2015 | P (η _{max}) [W] | Q (η _{max}) [m ³ /h] | Ps (η _{max}) [Pa] |
|---------------|-------------|-----------------------|--------------------|------------------------------|---------------|------------------------------|---------------------------|---|-----------------------------|
| BH-2-315-110T | B | total | 65.1% | | 75.5 | | 1000 | 1719 | 1421 |
| BH-2-355-220T | B | total | 68.1% | | 76 | | 1800 | 2477 | 1800 |
| BH-2-400-400T | B | total | 70.2% | | 77.5 | | 3200 | 3515 | 2293 |

| Modell | Mätkategori | Effektivitetskategori | Energieffektivitet | Energieffektivitetskrav 2015 | Koefficient N | min. krav koefficient N 2015 | P (η_{max}) [W] | Q (η_{max}) [m ³ /h] | Ps (η_{max}) [Pa] |
|------------------|-------------|-----------------------|--------------------|---------------------------------|------------------|------------------------------------|------------------------------|--|--------------------------------|
| BH-2-450-750T | B | total | 71.5% | | 74.2 | | 5600 | 5087 | 2883 |
| BH-2-500-1100T | B | total | 72.6% | | 72.9 | | 9400 | 7095 | 3536 |
| BH-2-560-1850T | B | total | 74% | | 73.5 | | 16200 | 9337 | 4547 |
| BH-2-630-3700T | B | total | 74.9% | | 73.8 | | 29500 | 5647 | 5292 |
| BH-2-710-7500T | B | total | 76% | | 74.3 | | 51700 | 19696 | 7219 |
| BH-4-315-055T | B | total | 54.9% | | 74.4 | | 140 | 853 | 355 |
| BH-4-355-055T | B | total | 55.1% | | 71.6 | | 270 | 1177 | 457 |
| BH-4-400-110T | B | total | 66.3% | | 80.8 | | 420 | 1669 | 581 |
| BH-4-450-220T | B | total | 68.7% | | 80.6 | | 730 | 2585 | 713 |
| BH-4-500-220T | B | total | 68.9% | | 78.5 | | 1220 | 3437 | 891 |
| BH-4-560-300T | B | total | 69.9% | | 76.9 | | 2140 | 4690 | 1130 |
| BH-4-630-400T | B | total | 71.1% | | 75.5 | | 3830 | 7063 | 1400 |
| BH-4-710-750T | B | total | 72.7% | | 74.5 | | 6700 | 9891 | 1794 |
| BH-4-800-1500T | B | total | 74.4% | | 74.4 | | 10310 | 13708 | 2305 |
| BH-4-900-3000T | B | total | 76.1% | | 75.5 | | 18620 | 19705 | 2906 |
| BH-4-1000-4500T | B | total | 76.7% | | 75.4 | | 35100 | 26992 | 3591 |
| BH-4-1120-7500T | B | total | 77% | | 75.1 | | 62800 | 38230 | 4490 |
| BH-4-1250-13200T | B | total | 77.9% | | 75.4 | | 107600 | 51374 | 5662 |
| BH-6-800-550T | B | total | 71.6% | | 76.1 | | 3700 | 9620 | 997 |
| BH-6-900-750T | B | total | 72.5% | | 80.9 | | 6400 | 13093 | 1283 |
| BH-6-1000-1500T | B | total | 73.9% | | 73.9 | | 10700 | 17934 | 1585 |
| BH-6-1120-3000T | B | total | 75.3% | | 74.7 | | 18500 | 24618 | 2005 |
| BH-6-1250-4500T | B | total | 76.3% | | 75.1 | | 32400 | 35665 | 2459 |

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