



BRV

DOUBLE INLET RADIAL FANS / Forward Curved

Fan Components and Material Properties

Fan Body and fan are made of high quality galvanized steel which is resistant to corrosion. BRV double suction centrifugal fans are manufactured as standard in different sizes between 700 m3 / h and 25.000 m3 / h. The motor and fan impeller are produced on the shaft by means of double bearing and main body with steel carriers. Mattress protectors are made of rubber.

Fan Structure

Double suction, forward-curved low pressure radial type fan. The fan wheel is made of high quality galvanized steel which is resistant to corrosion and is manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

Renefits

It produces high flow rate with its frequent wing structure. Speed adjustable with belt pulley drive system. The BRV-K models are reinforced.

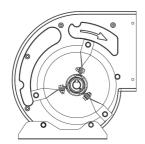
Speed Control

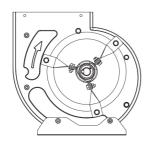
Belt pulley system is made by changing the conversion rate.

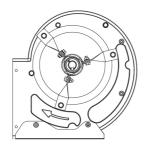
Usage Areas

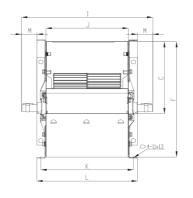
Box Fans and air handling units etc. they are preferred.

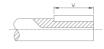
Technical Drawing and Tables

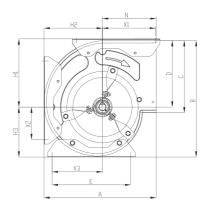














| TYPE | AIR FLOW | WEIGHT | | | | | |
|-------------|----------|--------|--|--|--|--|--|
| | m³/h | kg | | | | | |
| BRV 7/7 | 3500 | 6.1 | | | | | |
| BRV 9/9 | 5000 | 8.2 | | | | | |
| BRV 10/10 | 6500 | 9.4 | | | | | |
| BRV 12/12 | 10000 | 15.5 | | | | | |
| BRV 15/15 | 16000 | 20.7 | | | | | |
| BRV 18/18 | 22000 | 40.5 | | | | | |
| BRV-K 15/15 | 18000 | 20.7 | | | | | |
| BRV-K 18/18 | 25000 | 40.5 | | | | | |

Sound Level Measured from 3m distance in room condition.

| Α | В | С | D | E | F | | J | K | L | M | N | Х | t | t1 | W | d | H1 | H2 | НЗ | X1 | X2 | ХЗ |
|-------|----------------------------|--|---|---|--|---|---|---|--|---|--|---|--|---|--|--|--|---|--|--|--|--|
| 321 | 333 | 207 | 190 | 225 | 330 | 375 | 236 | 264.5 | 287.5 | 44 | 154 | 22.5 | 6 | 6 | 30 | 20 | 195 | 167 | 142 | 152 | 93 | 144 |
| 390 | 400 | 261 | 218 | 300 | 390 | 435 | 296 | 325.5 | 350.5 | 44 | 217 | 22.5 | 6 | 6 | 30 | 20 | 225 | 208 | 182 | 202 | 114 | 184 |
| 435 | 455 | 290 | 250 | 339 | 445 | 500 | 333 | 361 | 386 | 57 | 197 | 28 | 8 | 7 | 50 | 25 | 258 | 238 | 205 | 161 | 146 | 200 |
| 198.5 | 535 | 336 | 292 | 409 | 520 | 580 | 398 | 428 | 453 | 65 | 229 | 28 | 8 | 7 | 50 | 25 | 304 | 270 | 243 | 223 | 139 | 257 |
| 597 | 620 | 402 | 341 | 497 | 610 | 650 | 476 | 505 | 531 | 60 | 264 | 28 | 8 | 7 | 60 | 25 | 349 | 324 | 279 | 260 | 214 | 301 |
| 687 | 753 | 477 | 411 | 605.5 | 732 | 754 | 559 | 591 | 614 | 71 | 313 | 28 | 8 | 7 | 65 | 25 | 424.5 | 375 | 342 | 282 | 281 | 330 |
| | 390 435 198.5 597 | 390 400 435 455 498.5 535 597 620 | 390 400 261 435 455 290 98.5 535 336 597 620 402 | 390 400 261 218 435 455 290 250 198.5 535 336 292 597 620 402 341 | 3390 400 261 218 300 435 455 290 250 339 498.5 535 336 292 409 597 620 402 341 497 | 390 400 261 218 300 390 435 455 290 250 339 445 198.5 535 336 292 409 520 597 620 402 341 497 610 | 390 400 261 218 300 390 435 435 455 290 250 339 445 500 198.5 535 336 292 409 520 580 597 620 402 341 497 610 650 | 390 400 261 218 300 390 435 296 435 455 290 250 339 445 500 333 498.5 535 336 292 409 520 580 398 597 620 402 341 497 610 650 476 | 3390 400 261 218 300 390 435 296 325.5 435 455 290 250 339 445 500 333 361 198.5 535 336 292 409 520 580 398 428 597 620 402 341 497 610 650 476 505 | 330 400 261 218 300 390 435 296 325.5 350.5 435 455 290 250 339 445 500 333 361 386 198.5 535 336 292 409 520 580 398 428 453 597 620 402 341 497 610 650 476 505 531 | 321 333 207 190 225 330 375 236 264.5 287.5 44 3390 400 261 218 300 390 435 296 325.5 350.5 44 435 455 290 250 339 445 500 333 361 386 57 98.5 535 336 292 409 520 580 398 428 453 65 597 620 402 341 497 610 650 476 505 531 60 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 3390 400 261 218 300 390 435 296 325.5 350.5 44 217 435 455 290 250 339 445 500 333 361 386 57 197 498.5 535 336 292 409 520 580 398 428 453 65 229 597 620 402 341 497 610 650 476 505 531 60 264 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 3390 400 261 218 300 390 435 296 325.5 350.5 44 217 22.5 435 455 290 250 339 445 500 333 361 386 57 197 28 498.5 535 336 292 409 520 580 398 428 453 65 229 28 597 620 402 341 497 610 650 476 505 531 60 264 28 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 6 3390 400 261 218 300 390 435 296 325.5 350.5 44 217 22.5 6 435 455 290 250 339 445 500 333 361 386 57 197 28 8 488 597 620 402 341 497 610 650 476 505 531 60 264 28 8 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 6 6 6 390 400 261 218 300 390 435 296 325.5 350.5 44 217 22.5 6 6 6 435 455 290 250 339 445 500 333 361 386 57 197 28 8 7 98.5 535 336 292 409 520 580 398 428 453 65 229 28 8 7 597 620 402 341 497 610 650 476 505 531 60 264 28 8 7 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 6 6 3 30 390 400 261 218 300 390 435 296 325.5 350.5 44 217 22.5 6 6 8 30 435 455 290 250 339 445 500 333 361 386 57 197 28 8 7 50 498.5 535 336 292 409 520 580 398 428 453 65 229 28 8 7 50 597 620 402 341 497 610 650 476 505 531 60 264 28 8 7 60 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 6 6 30 20 390 400 261 218 300 390 445 500 333 361 386 57 197 28 8 7 50 25 48.5 535 336 292 409 520 580 398 428 453 65 229 28 8 7 50 25 597 620 402 341 497 610 650 476 505 531 60 264 28 8 7 60 25 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 6 6 30 20 195 390 400 261 218 300 390 435 296 325.5 350.5 44 217 22.5 6 6 30 20 225 435 455 290 250 339 445 500 333 361 386 57 197 28 8 7 50 25 258 498.5 535 336 292 409 520 580 398 428 453 65 229 28 8 7 50 25 304 597 620 402 341 497 610 650 476 505 531 60 264 28 8 7 60 25 349 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 6 6 6 30 20 195 167 3390 400 261 218 300 390 435 296 325.5 350.5 44 217 22.5 6 6 6 30 20 225 208 435 455 290 250 339 445 500 333 361 386 57 197 28 8 7 50 25 258 238 498.5 535 336 292 409 520 580 398 428 453 65 229 28 8 7 50 25 304 270 597 620 402 341 497 610 650 476 505 531 60 264 28 8 7 60 25 349 324 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 6 6 6 30 20 195 167 142 390 400 261 218 300 390 435 296 325.5 350.5 44 217 22.5 6 6 6 30 20 225 208 182 435 455 290 250 339 445 500 333 361 386 57 197 28 8 7 50 25 258 238 205 98.5 535 336 292 409 520 580 398 428 453 65 229 28 8 7 50 25 304 270 243 597 620 402 341 497 610 650 476 505 531 60 264 28 8 7 60 25 349 324 279 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 6 6 6 30 20 195 167 142 152 390 400 261 218 300 390 435 296 325.5 350.5 44 217 22.5 6 6 6 30 20 225 208 182 202 435 455 290 250 339 445 500 333 361 386 57 197 28 8 7 50 25 258 238 205 161 98.5 535 336 292 409 520 580 398 428 453 65 229 28 8 7 50 25 304 270 243 223 597 620 402 341 497 610 650 476 505 531 60 264 28 8 7 60 25 349 324 279 260 | 321 333 207 190 225 330 375 236 264.5 287.5 44 154 22.5 6 6 6 30 20 195 167 142 152 93 389 400 261 218 300 390 435 296 325.5 350.5 44 217 22.5 6 6 6 30 20 225 208 182 202 114 435 455 290 250 339 445 500 333 361 386 57 197 28 8 7 50 25 258 238 205 161 146 198.5 535 336 292 409 520 580 398 428 453 65 229 28 8 7 50 25 304 270 243 223 139 597 620 402 341 497 610 650 476 505 531 60 264 28 8 7 60 25 349 324 279 260 214 |

Dimensions are in (mm)