



APPLICATION

Axial duct fans used for general ventilation of commercial and industrial premises; warehouses and storage facilities; garages and public utility buildings, etc. Also can be used in air conditioning and ventilation equipment.

CONSTRUCTION

Axial fan with direct drive designed for duct mounting in the horizontal or vertical position. The housing is manufactured from pressed galvanized steel sheet and protected by cataforesis primer and black polyester paint finish. The impeller is made of aluminium and is dynamically balanced. All models are supplied with pre-wired wiring junction box located on the outside of the fan casing for easy wiring access..

MOTOR

Single phase motor (TCBB) or three phase (TCBT).

Models 250, 315, 355 and 400: External rotor motor, IP 54, class F, thermal protection, working temperature from -40°C to +40°C.

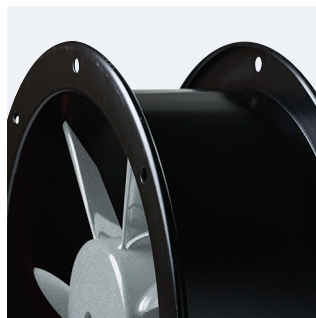
Models 450, 500, 560, 560 and 6/710: IP 65, class F, thermal protection, working temperature from -40°C to +70°C.

Models 4/710 and 800: IP 55, class F, working temperature from -40°C to +40°C.

All motors are speed controllable by autotransformer except models: /4-560H, /4-630, 710 and T/800. Three phase motors are speed controllable by inverter in range 25-50 Hz.

Electrical wiring diagram - fig. 4.5.6, page 925.

Also available in ATEX versions.



Corrosion resistance

Rolled steel casing and motor support protected by cataforesis primer and black polyester paint finish. Stainless steel screws.



Terminal box

Wiring terminal box with cable gland PG-11 (except ATEX models).



Impeller dynamically balanced

Impellers are dynamically balanced according to ISO 1940 standard, giving vibration free operation.

TECHNICAL CHARACTERISTICS

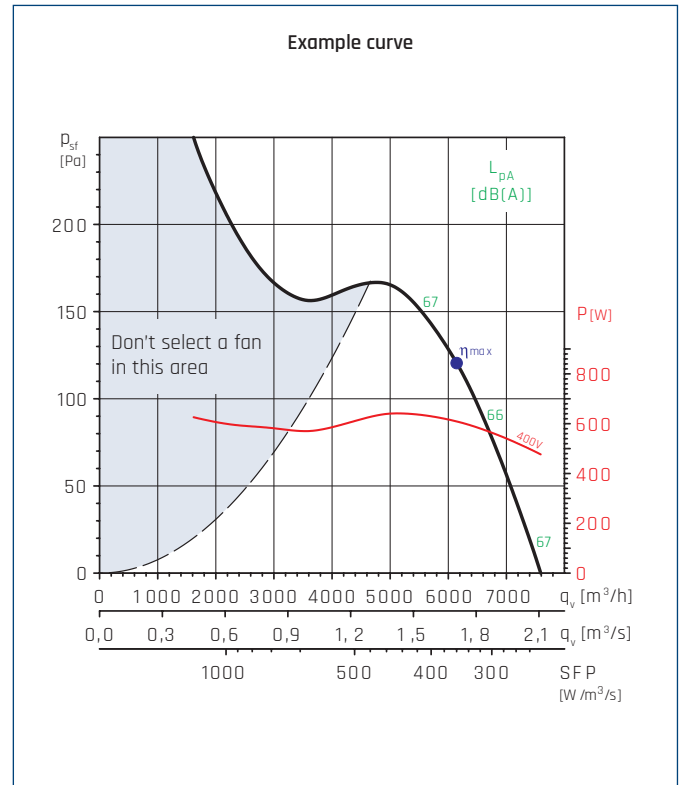
| Type | number of poles | speed | maximum absorbed power | maximum absorbed current | | airflow | sound pressure level** | weight | regulator* | article number | |
|---------------------|-----------------|----------|------------------------|--------------------------|-------|---------|------------------------|----------------|---------------------------|--------------------------|----------|
| | | [r.p.m.] | [W] | [A] | [A] | [m³/h] | [dB(A)] | [kg] | | | |
| SINGLE-PHASE | | | | | | | | | | | |
| TCBB/2-250/H | 2 | 2680 | 123 | 0,5 | - | 1680 | 62 | 8 | - | 41520385 | |
| TCBB/4-250/H | 4 | 1430 | 44 | 0,2 | - | 900 | 42 | 8 | TLR 15 / RVS 1,5 | 41520045 | |
| TCBB/4-315/H | | 1435 | 105 | 0,6 | - | 1990 | 52 | 11 | TLR 15 / RVS 1,5 | 41520085 | |
| TCBB/4-355/H | | 1420 | 120 | 0,6 | - | 2460 | 52 | 13,2 | TLR 15 / RVS 1,5 | 41520125 | |
| TCBB/4-400/H | | 1420 | 360 | 1,6 | - | 5190 | 60 | 15,5 | TLR 25 / RVS 3 | 41520165 | |
| TCBB/4-450/H | | 1410 | 594 | 2,6 | - | 6810 | 63 | 21 | - | 41520205 | |
| TCBB/4-500/H | | 1410 | 636 | 2,8 | - | 7500 | 66 | 25 | REB-5 / RVS 3 | 41520045 | |
| TCBB/4-560/L | | 1405 | 1289 | 6 | - | 11970 | 68 | 33 | REB-10 / RVS 7 | 41520285 | |
| TCBB/4-560/H | | 1390 | 1461 | 6,6 | - | 12960 | 69 | 34,7 | - | 41520286 | |
| TCBB/4-630/L | | 1365 | 1707 | 7,5 | - | 15730 | 70 | 40 | - | 41520325 | |
| TCBB/6-355/H | | 6 | 880 | 92 | 0,4 | - | 2160 | 46 | 13,2 | TLR 15 / RVS 1,5 | 41520505 |
| TCBB/6-400/H | 870 | | 118 | 0,5 | - | 2820 | 48 | 15,5 | TLR 15 / RVS 1,5 | 41520545 | |
| TCBB/6-500/H | 920 | | 226 | 1 | - | 5220 | 57 | 24,8 | TLR 15 / RVS 1,5 | 41520625 | |
| TCBB/6-560/L | 960 | | 453 | 2,5 | - | 8170 | 60 | 33,5 | TLR 25 / RVS 3 | 41520666 | |
| TCBB/6-630/L | 900 | | 652 | 3,2 | - | 11060 | 60 | 38,5 | REB-5 / RVS 5 | 41520705 | |
| TCBB/6-710/L | 900 | | 1167 | 6,1 | - | 16460 | 62 | 46 | - | 41520745 | |
| THREE-PHASE | | | | | | | | | | | |
| TCBT/2-250/H | 2 | 2775 | 114 | 0,3 | 0,2 | 1730 | 62 | 8 | Inverter 0,4kW | 41520375 | |
| TCBT/4-250/H | 4 | 1470 | 42 | 0,3 | 0,2 | 900 | 42 | 8 | RMT-1,5 / Inverter 0,4kW | 41520035 | |
| TCBT/4-315/H | | 1445 | 99 | 0,5 | 0,3 | 1950 | 51 | 11 | RMT-1,5 / Inverter 0,4kW | 41520075 | |
| TCBT/4-355/H | | 1415 | 117 | 0,5 | 0,3 | 2470 | 52 | 13,2 | RMT-1,5 / Inverter 0,4kW | 41520116 | |
| TCBT/4-400/H | | 1410 | 341 | 1,2 | 0,7 | 5140 | 60 | 15,5 | RMT-1,5 / Inverter 0,4kW | 41520155 | |
| TCBT/4-450/H | | 1405 | 526 | 1,9 | 1,1 | 6650 | 63 | 21 | RMT-1,5 / Inverter 0,75kW | 41520195 | |
| TCBT/4-500/H | | 1420 | 641 | 2,6 | 1,5 | 7590 | 66 | 25 | RMT-1,5 / Inverter 0,75kW | 41520235 | |
| TCBT/4-560/L | | 1415 | 1184 | 3,8 | 2,2 | 12090 | 68 | 33 | RMT-2,5 / Inverter 0,75kW | 41520275 | |
| TCBT/4-560/H | | 1390 | 1348 | 4,2 | 2,4 | 13370 | 69 | 34,7 | Inverter 0,75kW | 41520276 | |
| TCBT/4-630/L | | 1410 | 1770 | 5,9 | 3,4 | 16060 | 70 | 39 | Inverter 1,5kW | 41520315 | |
| TCBT/4-630/H | | 1400 | 1940 | 6,2 | 3,6 | 17030 | 70 | 40 | Inverter 1,5kW | 41520316 | |
| TCBT/4-710/L | | 1435 | 2175 | 6,4 | 3,7 | 20290 | 73 | 46 | Inverter 1,5kW | 41520345 | |
| TCBT/4-710/H | | 1460 | 3441 | 10,6 | 6,1 | 26420 | 73 | 54 | Inverter 4,0kW | 41520346 | |
| TCBT/4-800/L | | 1460 | 3750 | 11,3 | 6,5 | 29950 | 76 | 65 | Inverter 4,0kW | 42020155 | |
| TCBT/4-800/K | | 1460 | 5177 | - | 8,8 | 34950 | 76 | 68 | Inverter 4,0kW | 42020156 | |
| TCBT/4-800/G | | 1470 | 6146 | - | 11,1 | 38500 | 77 | 81 | Inverter 5,5kW | 42020157 | |
| TCBT/4-800/H | | 1475 | 7688 | - | 13 | 42490 | 78 | 89 | Inverter 7,5kW | 42020158 | |
| TCBT/6-355/H | | 6 | 900 | 97 | 0,7 | 0,4 | 2250 | 47 | 13,2 | RMT-1,5 / Inverter 0,4kW | 41520495 |
| TCBT/6-400/H | | | 860 | 116 | 0,7 | 0,4 | 2970 | 49 | 15,5 | RMT-1,5 / Inverter 0,4kW | 41520535 |
| TCBT/6-450/H | 940 | | 161 | 0,7 | 0,4 | 4020 | 54 | 20,7 | RMT-1,5 / Inverter 0,4kW | 41520575 | |
| TCBT/6-500/H | 915 | | 290 | 1,2 | 0,7 | 6110 | 57 | 24,8 | RMT-1,5 / Inverter 0,4kW | 41520615 | |
| TCBT/6-560/H | 925 | | 525 | 2,9 | 1,7 | 9020 | 60 | 33,5 | RMT-2,5 / Inverter 0,75kW | 41520656 | |
| TCBT/6-630/L | 915 | | 595 | 2,3 | 1,3 | 10940 | 60 | 38 | RMT-1,5 / Inverter 0,75kW | 41520695 | |
| TCBT/6-630/H | 960 | | 887 | 4,8 | 2,8 | 12620 | 62 | 38,5 | RMT-5 / Inverter 1,5kW | 41520696 | |
| TCBT/6-710/L | 920 | | 957 | 4,5 | 2,6 | 16290 | 62 | 46 | Inverter 1,5kW | 41520735 | |
| TCBT/6-710/H | 910 | | 1217 | 5 | 2,9 | 18550 | 63 | 46 | Inverter 1,5kW | 41520730 | |
| TCBT/6-800/L | 965 | | 1278 | 4,7 | 2,7 | 20770 | 66 | 57 | Inverter 1,5kW | 42020165 | |
| TCBT/6-800/K | 975 | | 1592 | 5,7 | 3,3 | 24090 | 66 | 64 | Inverter 1,5kW | 42020166 | |
| TCBT/6-800/G | 975 | | 1968 | 8 | 4,6 | 26310 | 67 | 68 | Inverter 2,2kW | 42020167 | |
| TCBT/6-800/H | 970 | 2345 | 8,7 | 5 | 27910 | 68 | 80 | Inverter 2,2kW | 42020168 | | |

* - regulators are not sold with fans - these are optional accessories. Fans without regulator assigned are not suitable for speed control. All three speed types are speed controllable by inverter in range 25-50Hz.

** - sound pressure level measured in free field conditions at a distance equivalent to three times the diameter of the impeller with a minimum of 1,5 meters.

PERFORMANCE CURVES

- q_v - Airflow in m^3/h and m^3/s
- p_{sf} - Static pressure in Pa
- SFP - Specific fan power in $W/(m^3/s)$
- P - Input power in W
- Measurement category: A.
- Efficiency category: static.
- Fan efficiency without speed control.
- Fan tested without protection guard.
- Airflow data in accordance with ISO 5801.
- Sound pressure level dB(A), measured in a free field distance equal to 3 times the diameter, with a minimum of 1,5 m

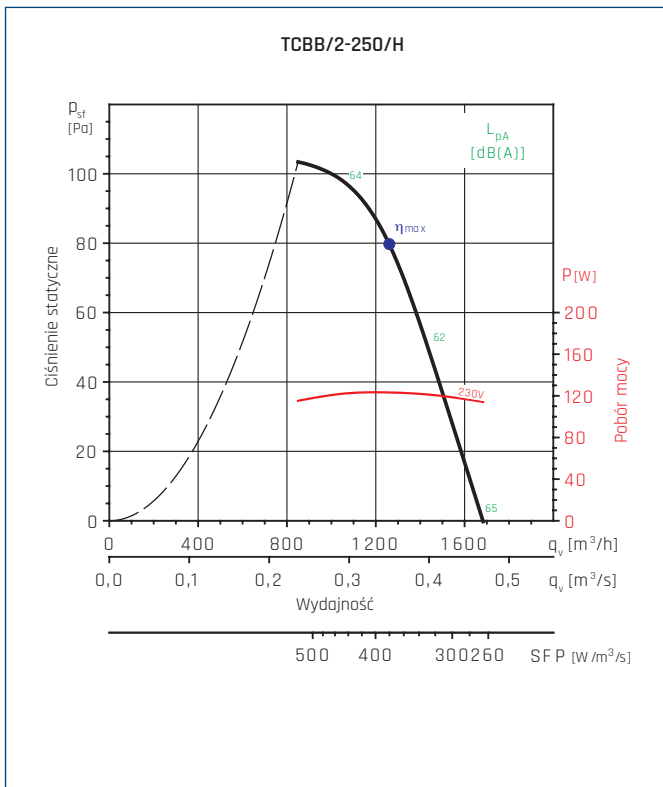


- MC Measurement category
- EC Efficiency category
- VSD Speed control: supplied with the fan
- SR Specific ratio
- η [%] Efficiency
- N Efficiency grade
- [kW] Absorbed power
- [m^3/h] Airflow
- [Pa] Static pressure
- [RPM] Speed

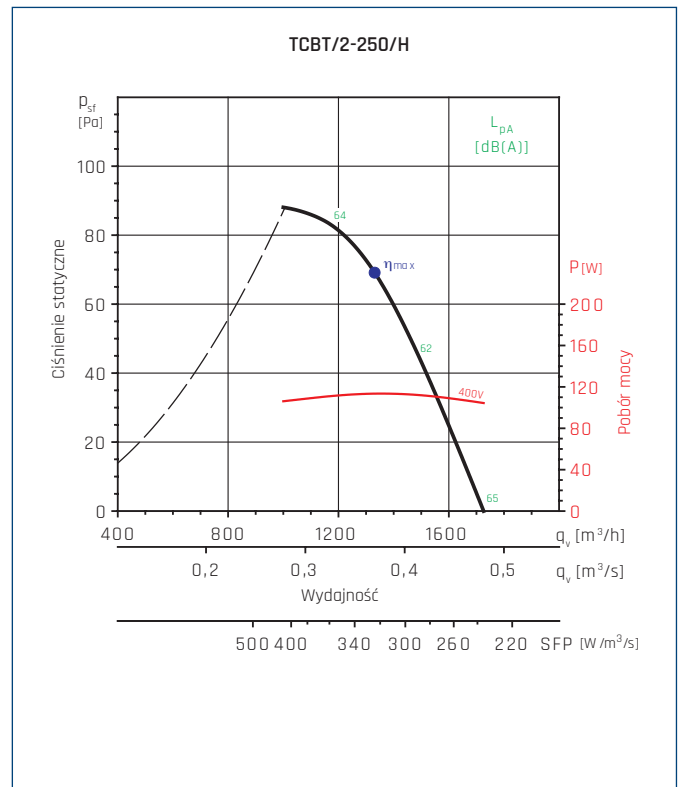
| MC | EC | VSD | SR | η [%] | N | [kW] | [m^3/h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|-------------|------|-------|
| D | Total | No | 1 | 45,1 | 52,8 | 0,597 | 6200 | 155 | 1379 |

- - highest efficiency point.

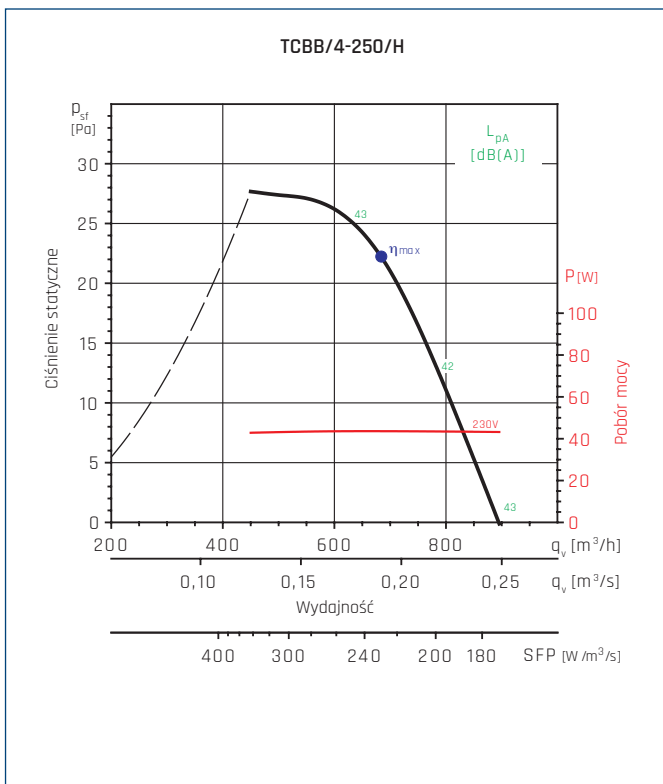
PERFORMANCE CURVES



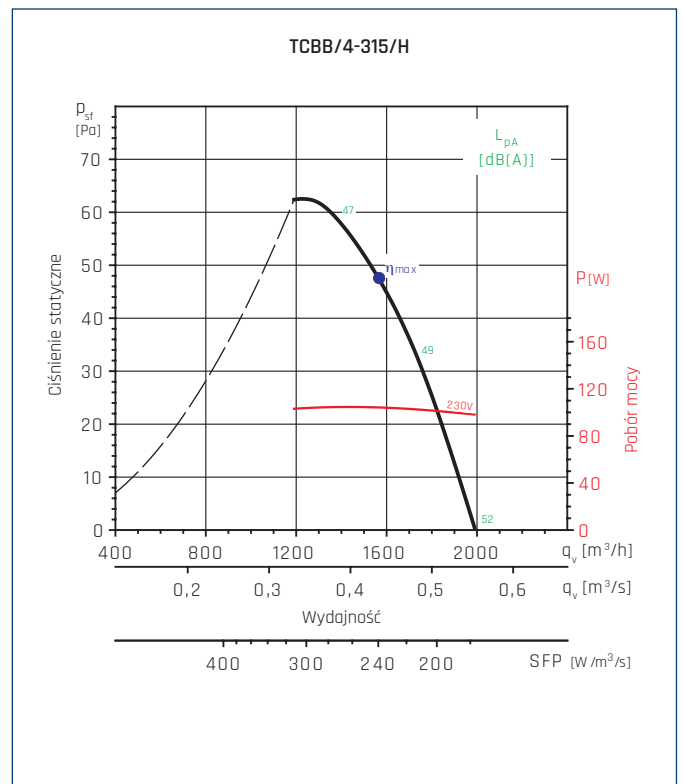
● - highest efficiency point.



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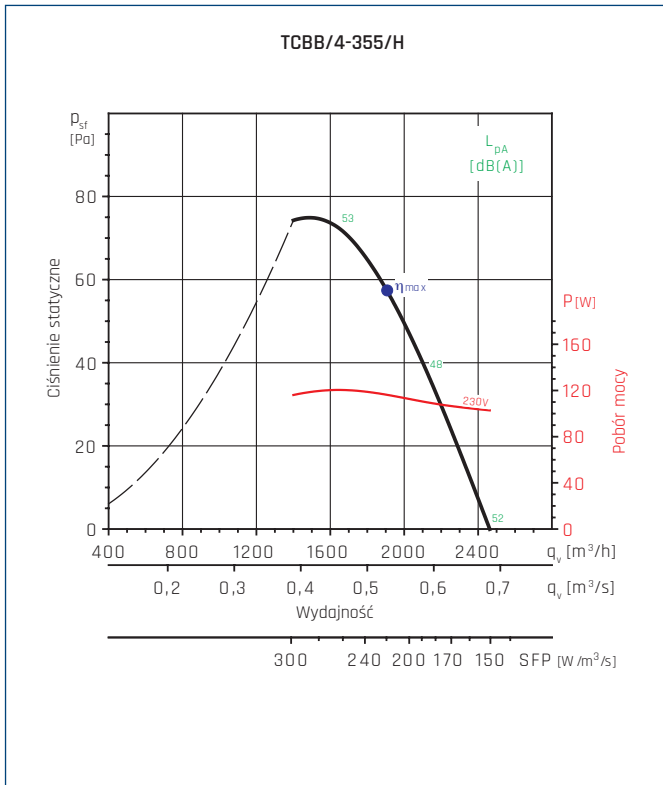


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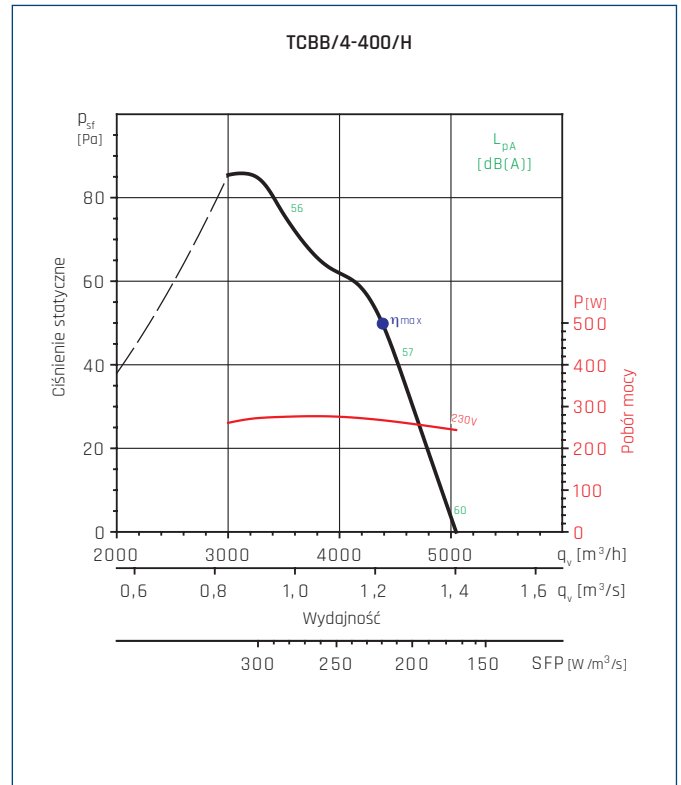


● - highest efficiency point.

PERFORMANCE CURVES

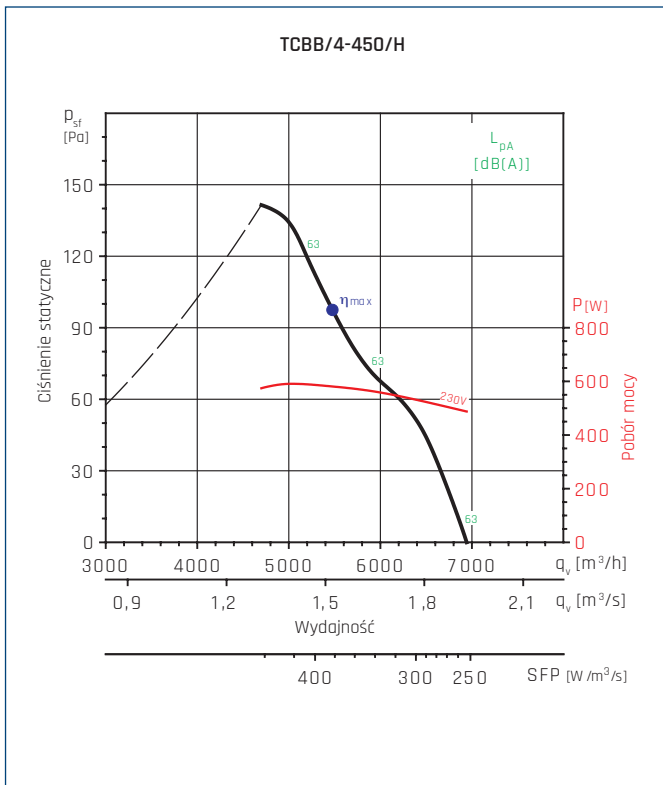


● - highest efficiency point.



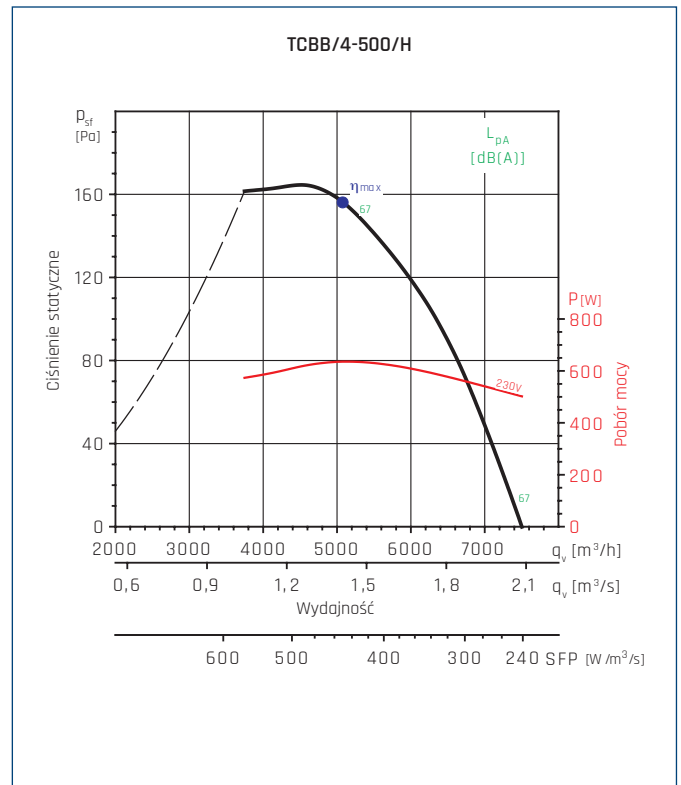
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 40,8 | 50,0 | 0,347 | 4556 | 112 | 1414 |

● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 42,2 | 50,1 | 0,569 | 5538 | 156 | 1392 |

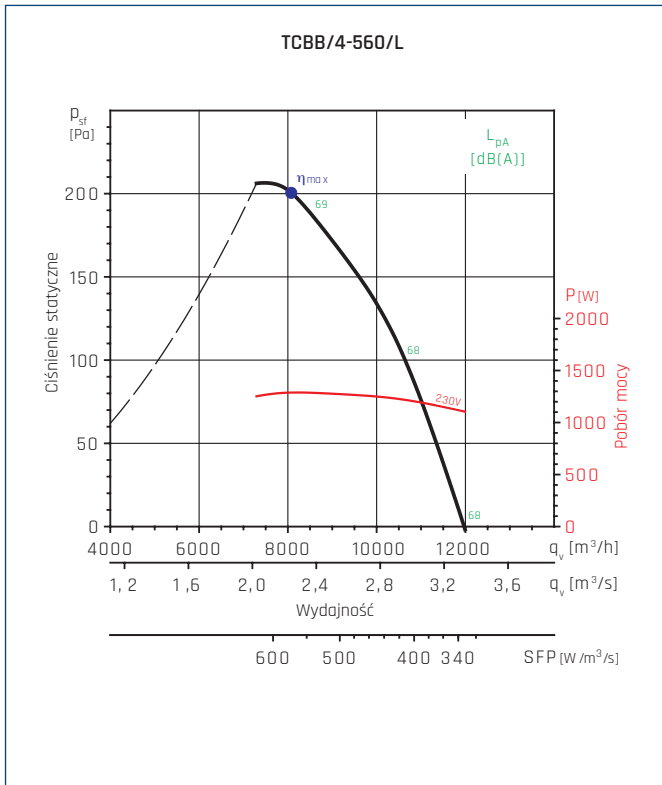
● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 45,1 | 52,8 | 0,597 | 6200 | 155 | 1379 |

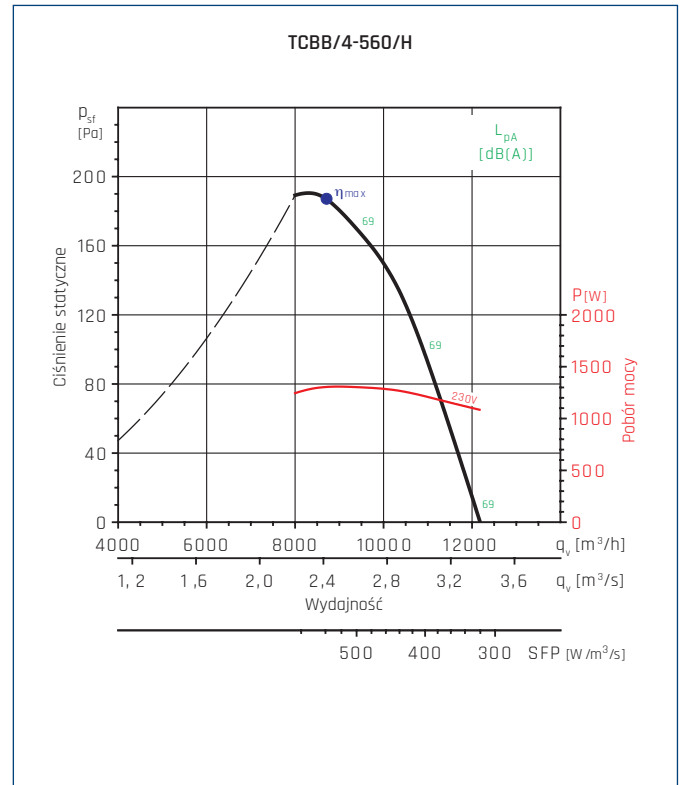
● - highest efficiency point.

PERFORMANCE CURVES



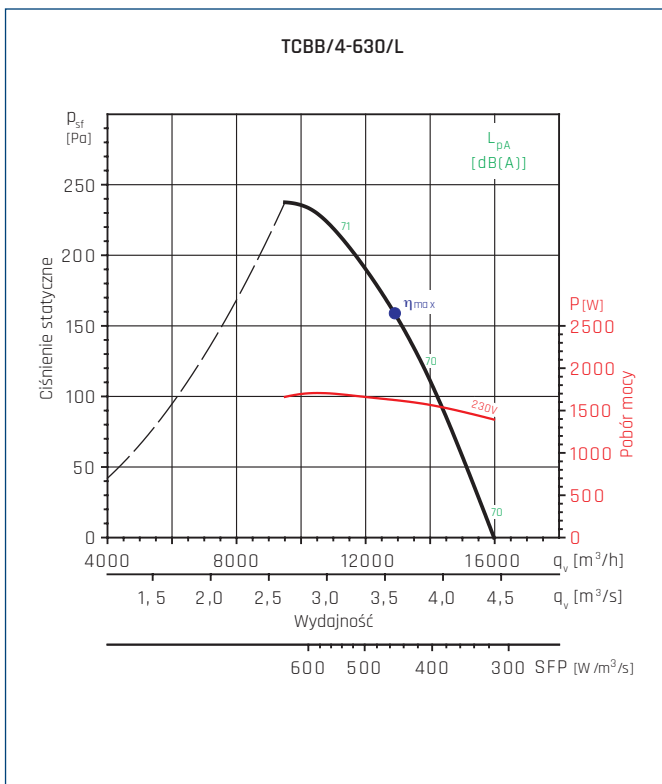
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| B | Total | No | 1 | 47,0 | 52,7 | 1,254 | 9881 | 213 | 1387 |

● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 46,8 | 52,2 | 1,395 | 11111 | 211 | 1372 |

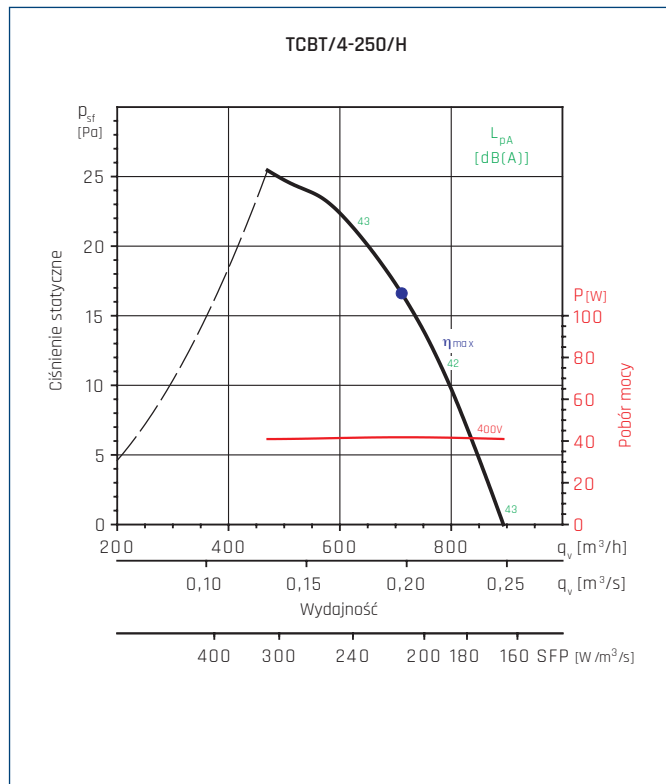
● - highest efficiency point.



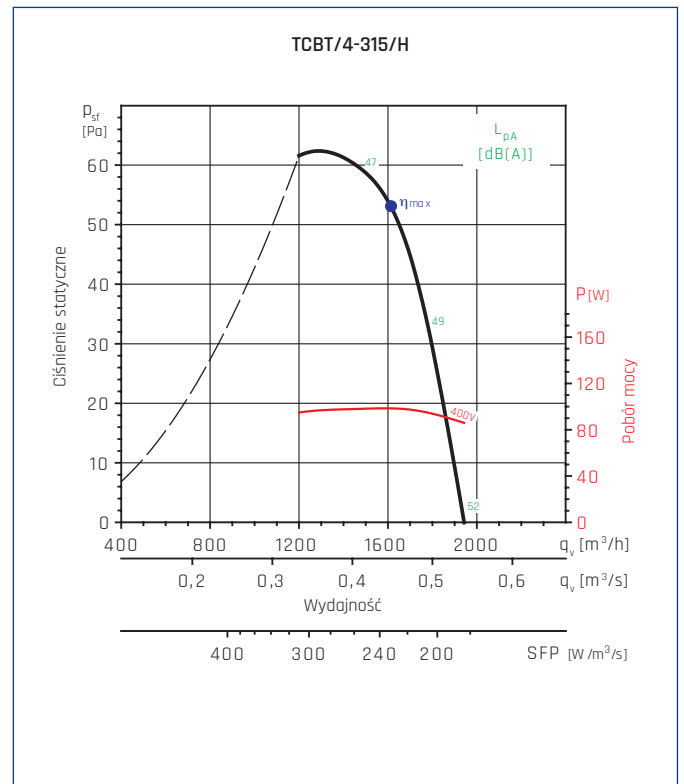
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 52,4 | 57,4 | 1,624 | 12815 | 238 | 1332 |

● - highest efficiency point.

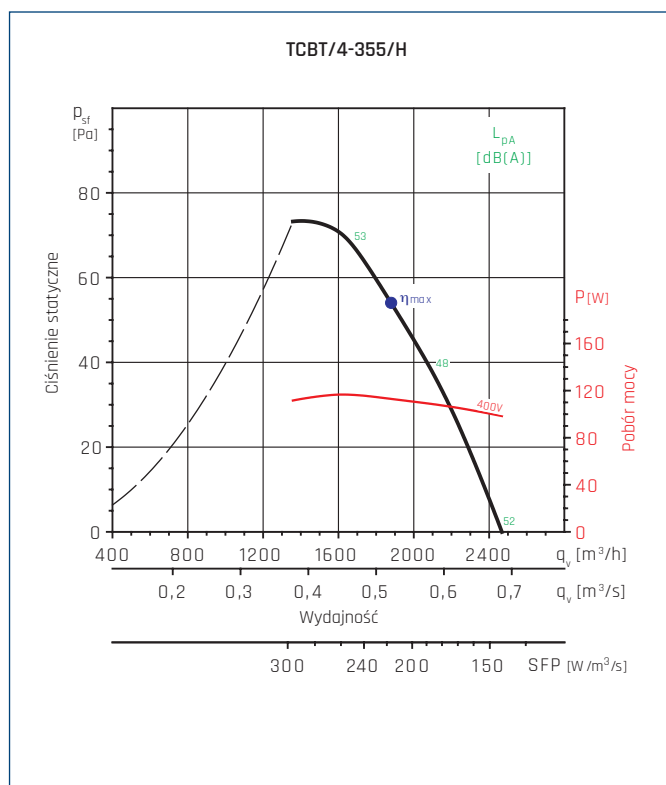
PERFORMANCE CURVES



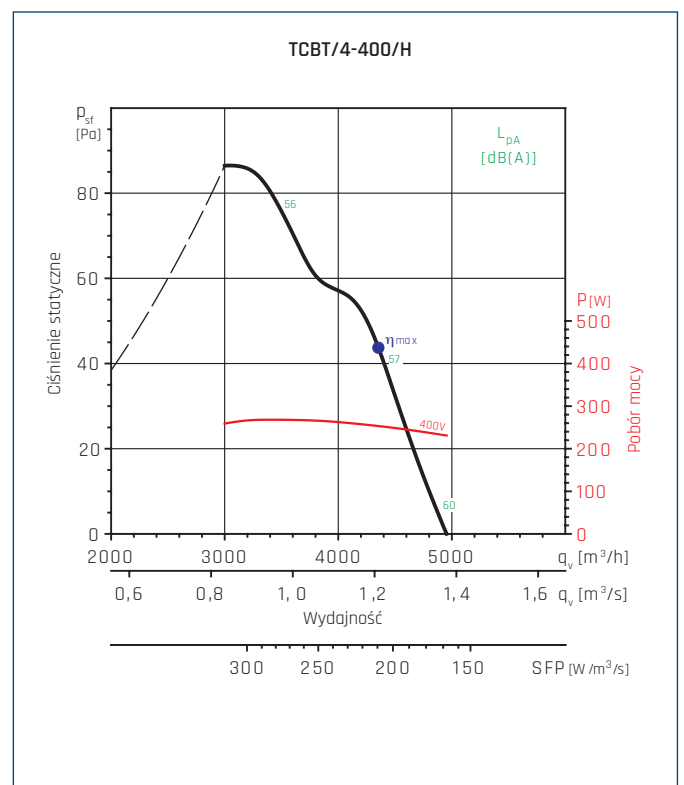
● - highest efficiency point.



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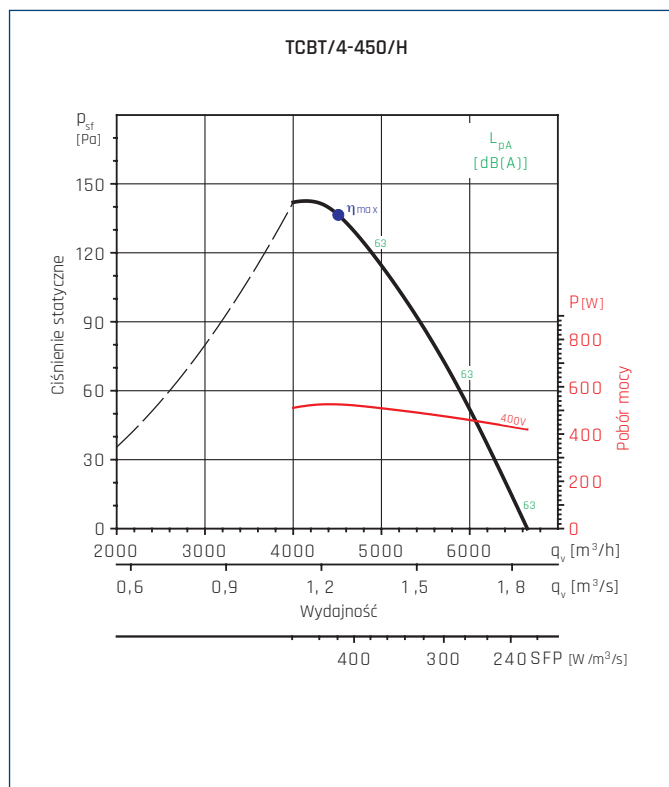


● - highest efficiency point.

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| B | Total | No | 1 | 41,1 | 50,5 | 0,330 | 4525 | 108 | 1401 |

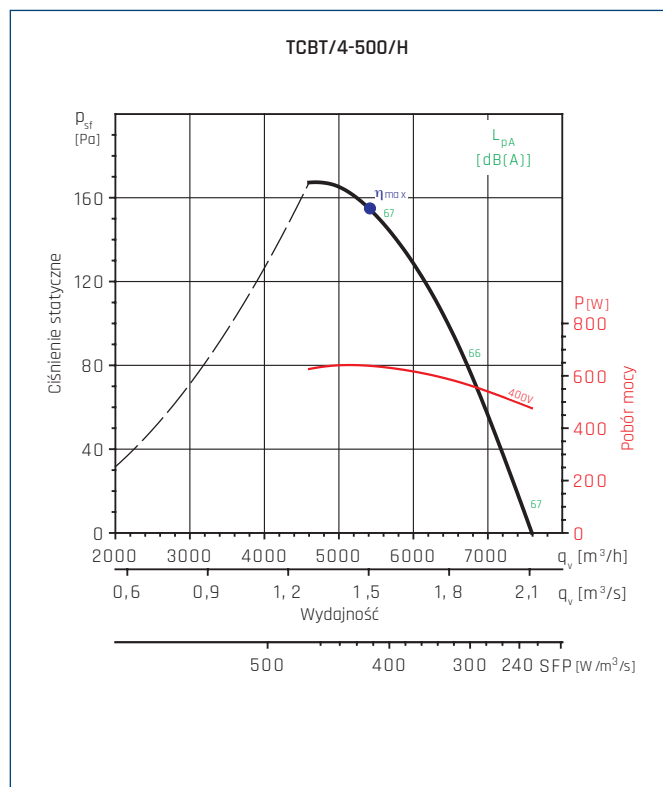
● - highest efficiency point.

PERFORMANCE CURVES



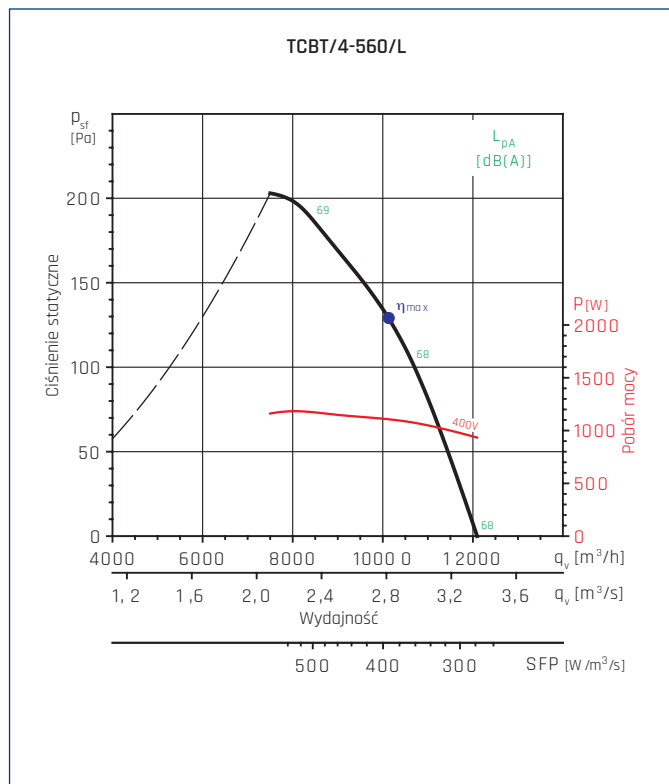
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 44,7 | 53,0 | 0,489 | 5450 | 144 | 1384 |

● - highest efficiency point.



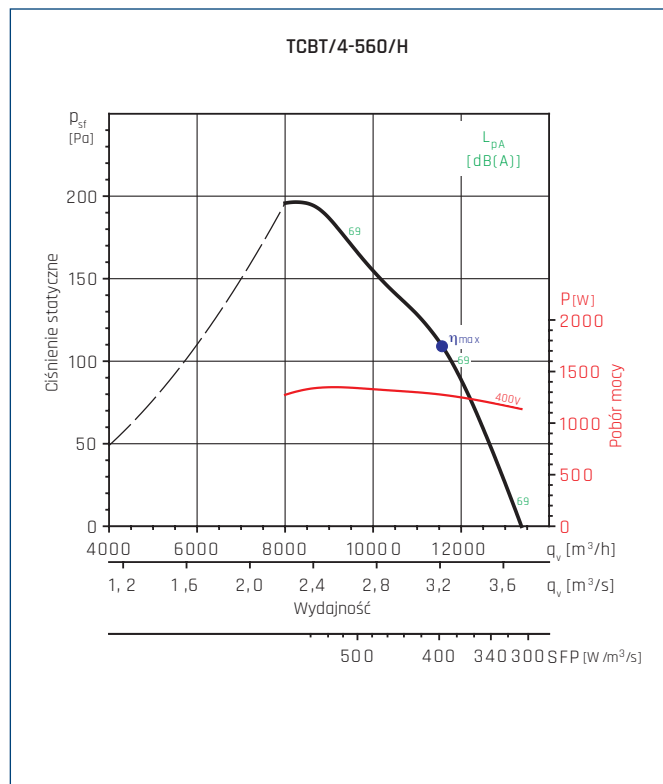
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 46,9 | 54,6 | 0,609 | 6147 | 166 | 1389 |

● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 53,2 | 59,3 | 1,107 | 10127 | 208 | 1390 |

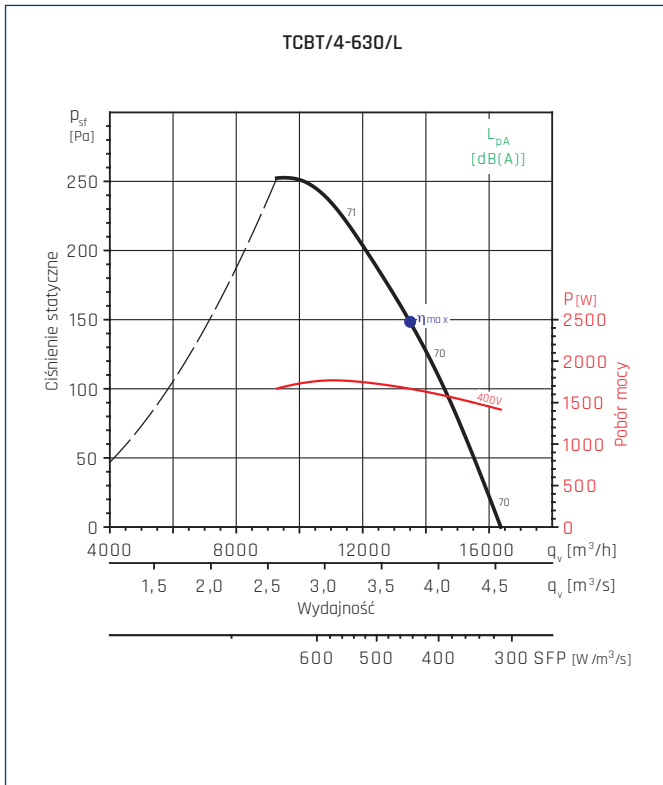
● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 53,4 | 59,1 | 1,275 | 11576 | 212 | 1372 |

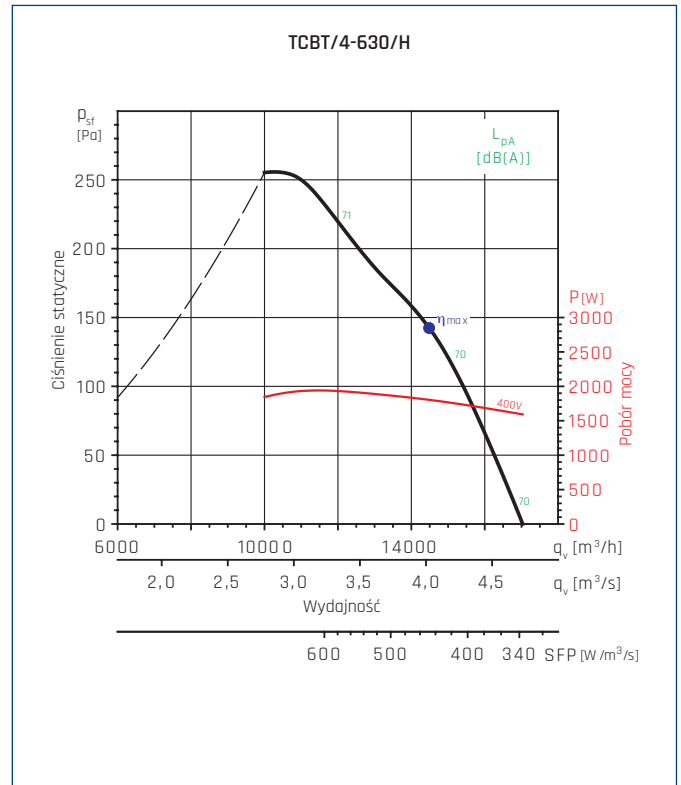
● - highest efficiency point.

PERFORMANCE CURVES



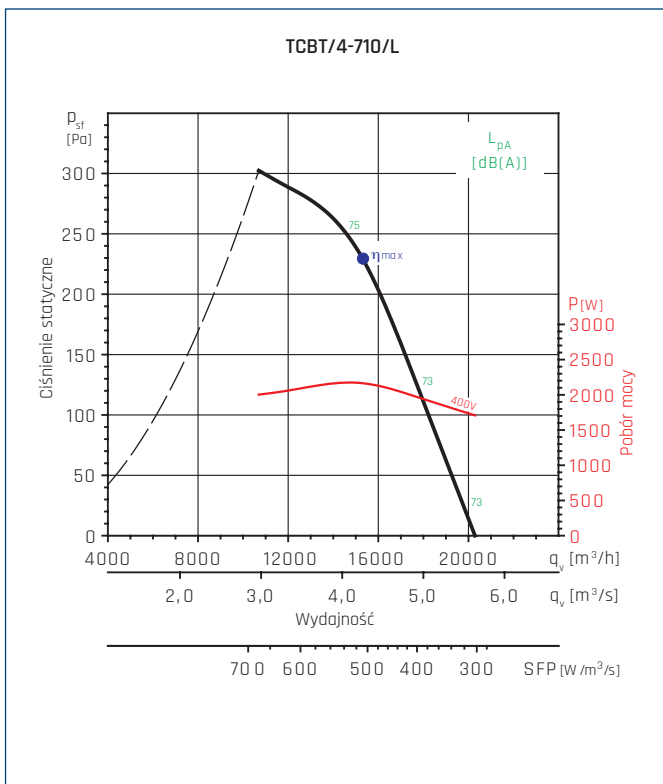
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 50,4 | 55,3 | 1,667 | 13245 | 227 | 1390 |

● - highest efficiency point.



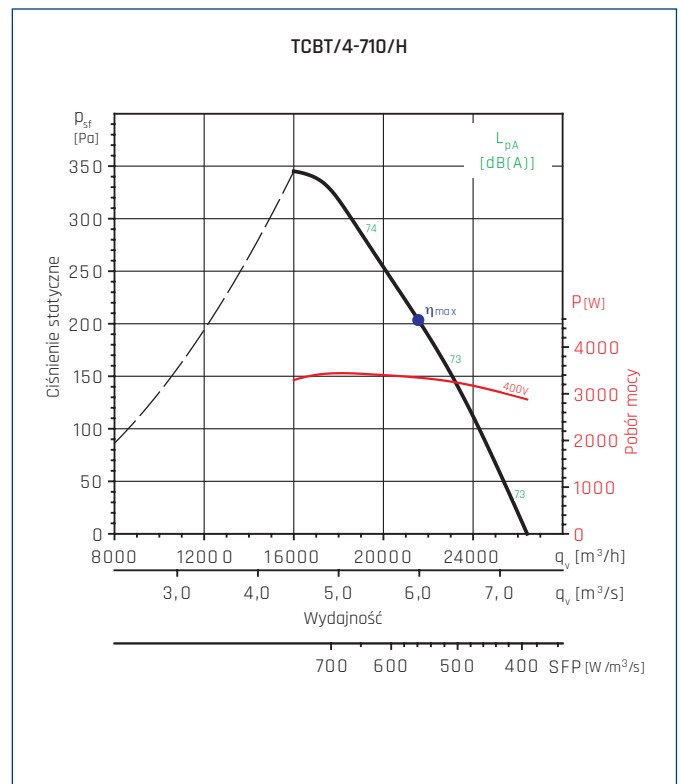
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 54,4 | 59,1 | 1,804 | 14481 | 244 | 1383 |

● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 58,7 | 62,9 | 2,166 | 15306 | 299 | 1414 |

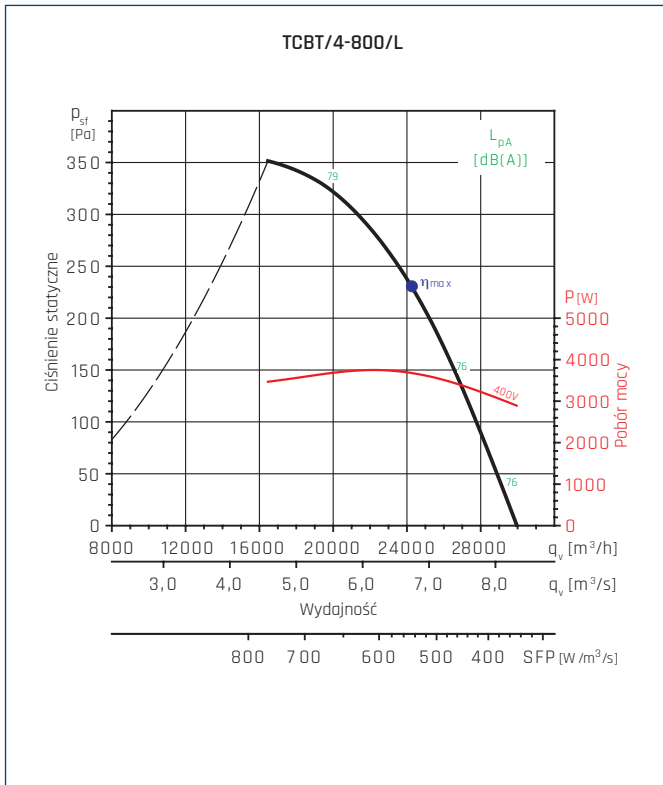
● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 61,4 | 64,4 | 3,346 | 21563 | 341 | 1451 |

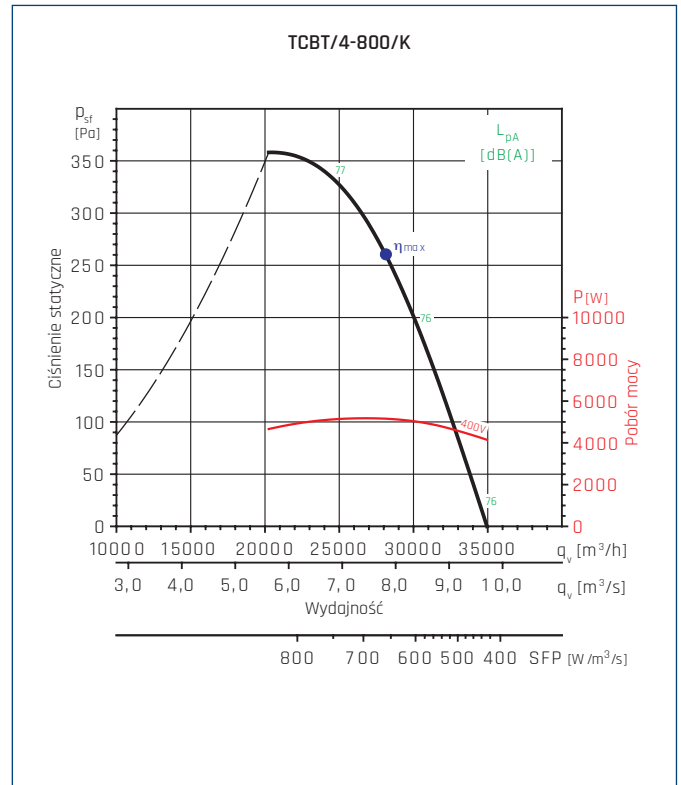
● - highest efficiency point.

PERFORMANCE CURVES



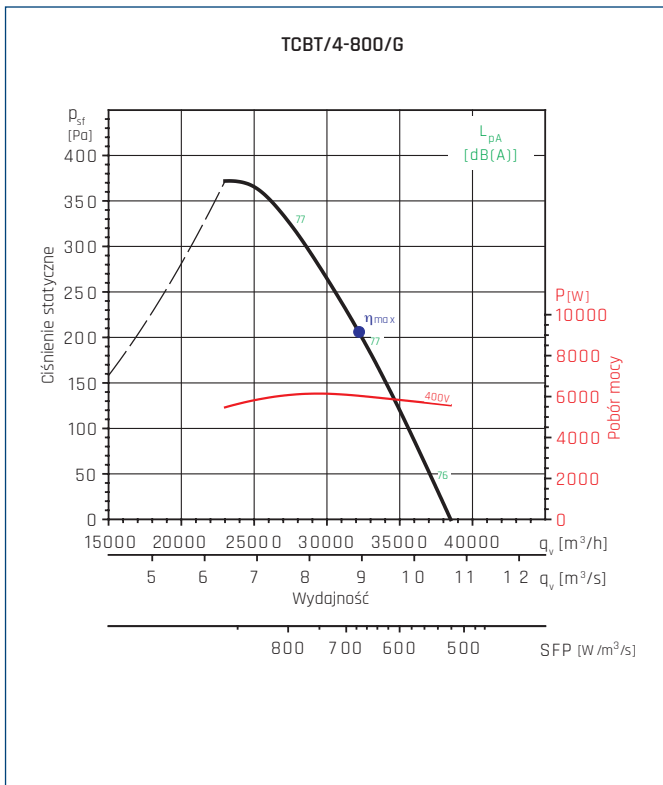
| MC | EC | VSD | SR | η [%] | N | [kW] | [m^3/h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|-------------|------|-------|
| D | Total | No | 1 | 62,4 | 65,2 | 3,678 | 24248 | 339 | 1445 |

● - highest efficiency point.



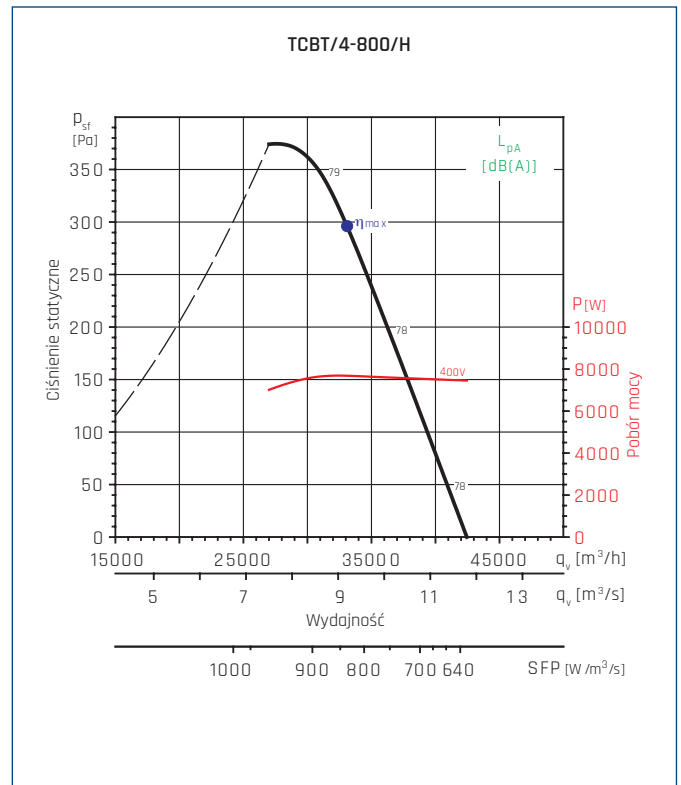
| MC | EC | VSD | SR | η [%] | N | [kW] | [m^3/h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|-------------|------|-------|
| D | Total | No | 1 | 61,6 | 63,4 | 5,156 | 28120 | 406 | 1445 |

● - highest efficiency point.



| MC | EC | VSD | SR | η [%] | N | [kW] | [m^3/h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|-------------|------|-------|
| D | Total | No | 1 | 58,9 | 60,3 | 6,038 | 32195 | 397 | 1460 |

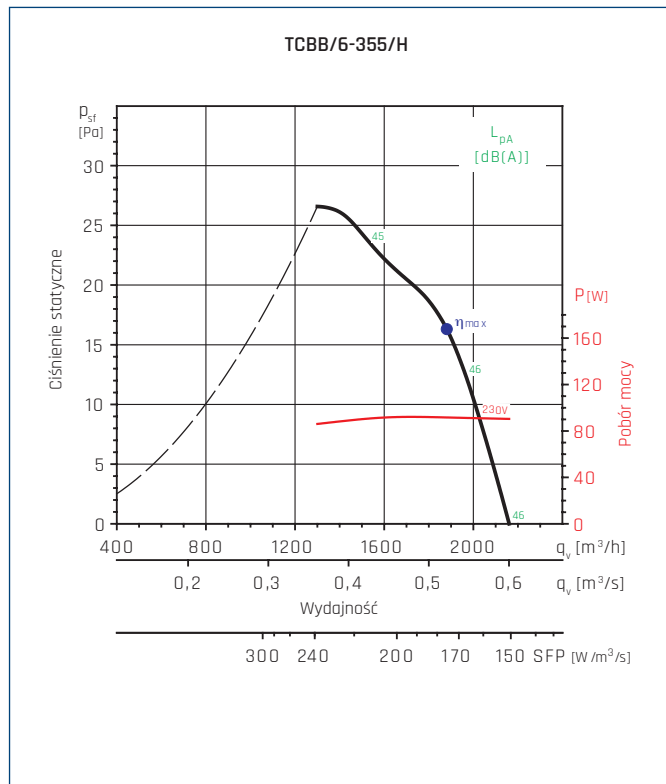
● - highest efficiency point.



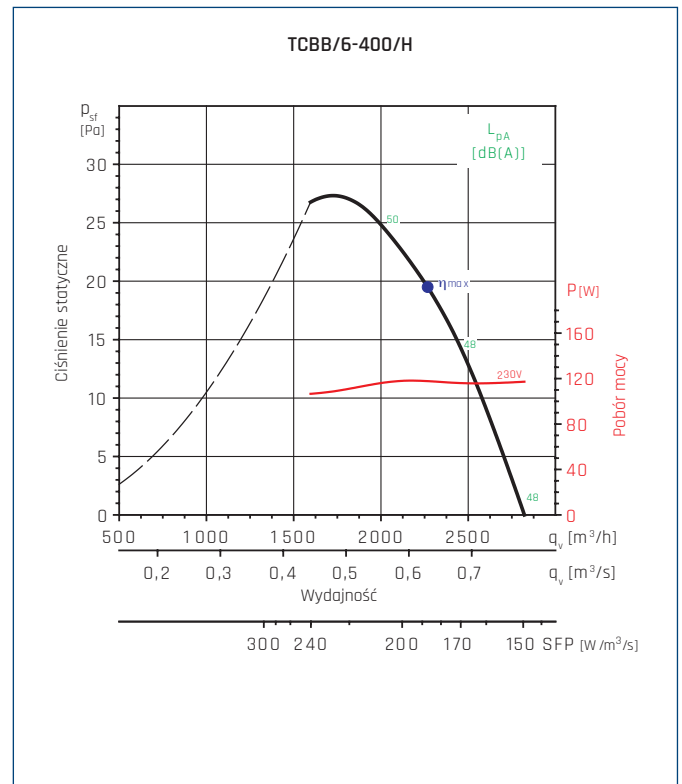
| MC | EC | VSD | SR | η [%] | N | [kW] | [m^3/h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|-------------|------|-------|
| D | Total | No | 1 | 59,6 | 60,3 | 7,682 | 33100 | 498 | 1468 |

● - highest efficiency point.

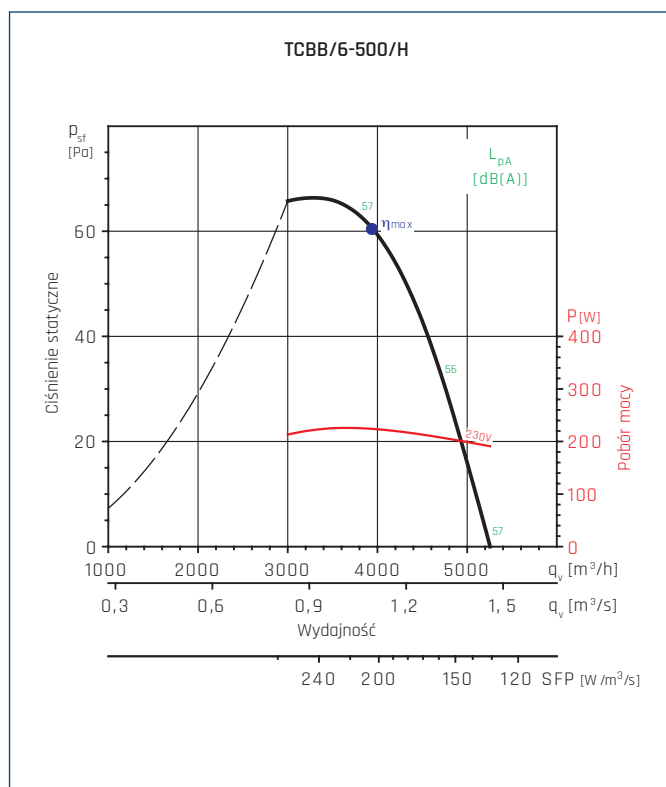
PERFORMANCE CURVES



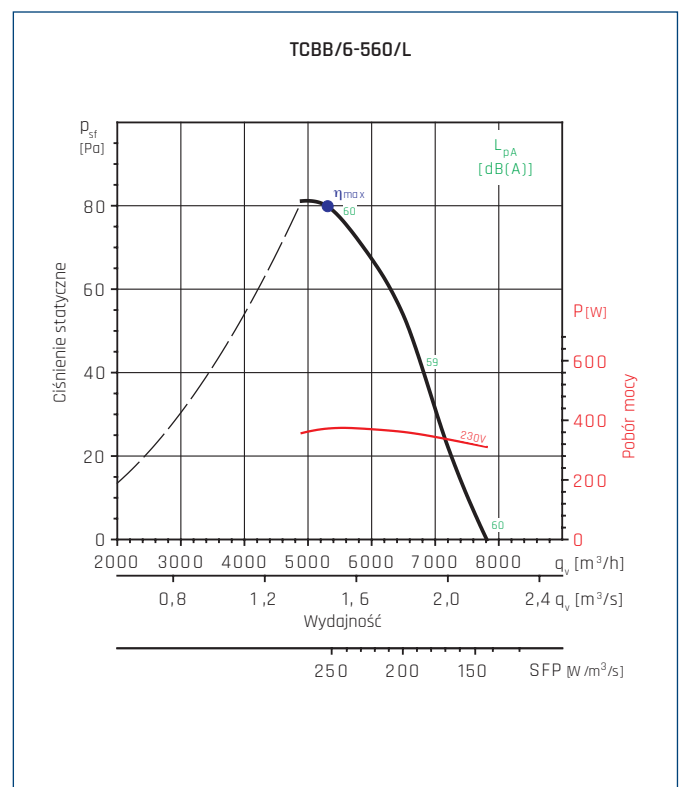
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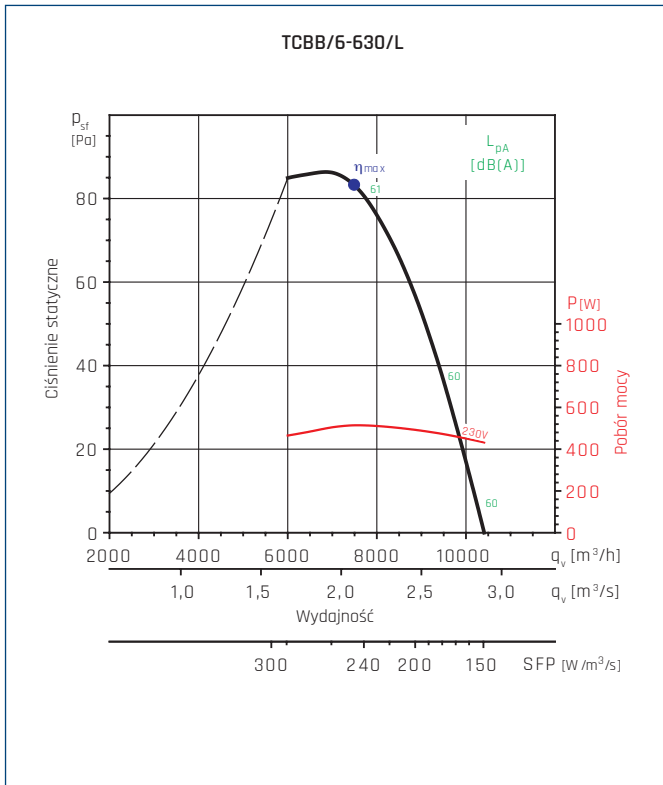


● - highest efficiency point.

| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 39,5 | 50,0 | 0,218 | 4270 | 72 | 892 |

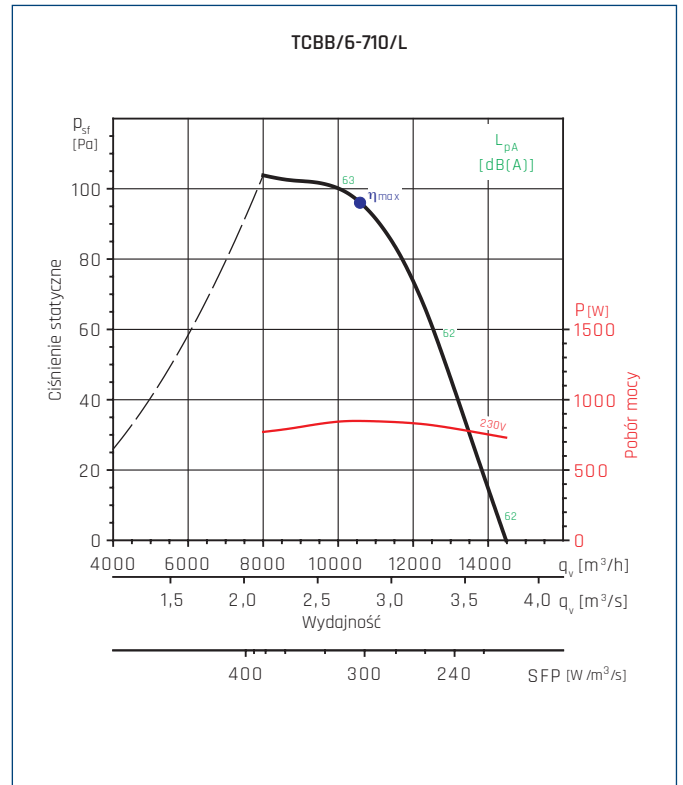
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 41,5 | 50,3 | 0,423 | 6808 | 93 | 944 |

PERFORMANCE CURVES



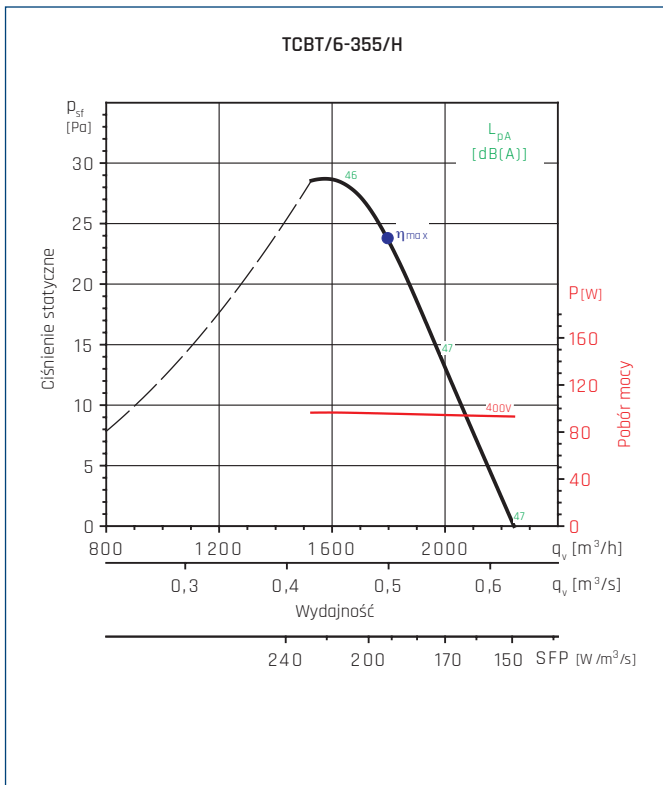
| MC | EC | VSD | SR | η [%] | N | [kW] | [m ³ /h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|---------------------|------|-------|
| D | Total | No | 1 | 42,6 | 50,2 | 0,621 | 9129 | 104 | 871 |

• - highest efficiency point.

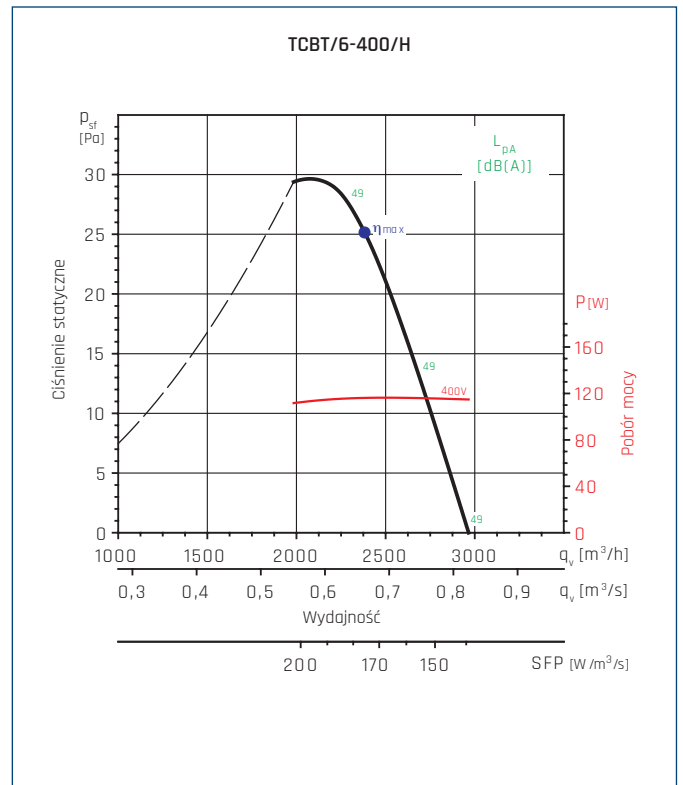


| MC | EC | VSD | SR | η [%] | N | [kW] | [m ³ /h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|---------------------|------|-------|
| D | Total | No | 1 | 44,0 | 50,0 | 1,143 | 13727 | 131 | 889 |

• - highest efficiency point.

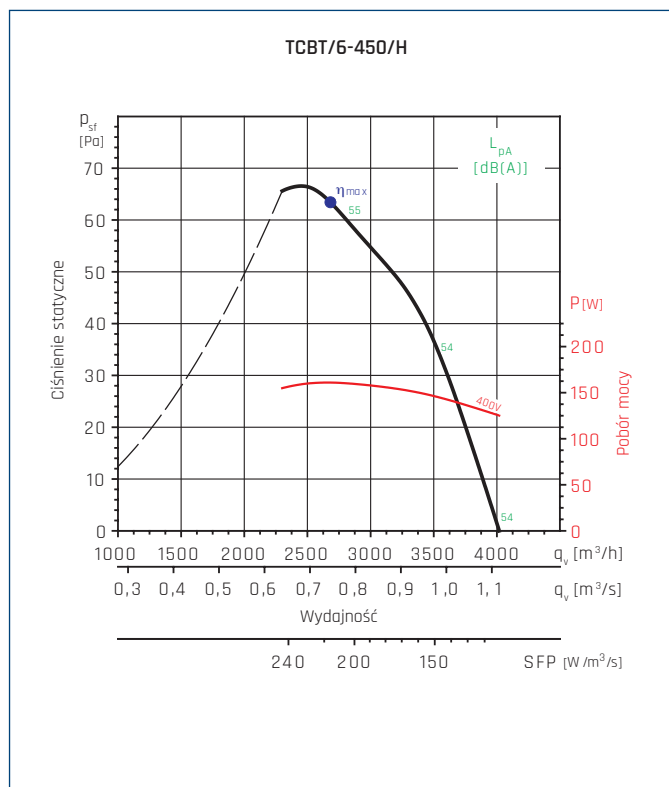


• - highest efficiency point.



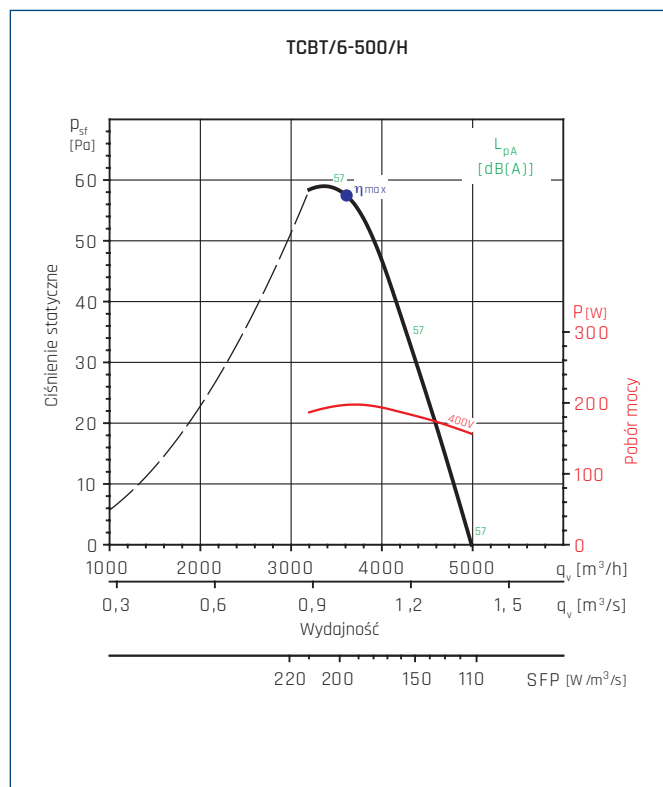
• - highest efficiency point.

PERFORMANCE CURVES



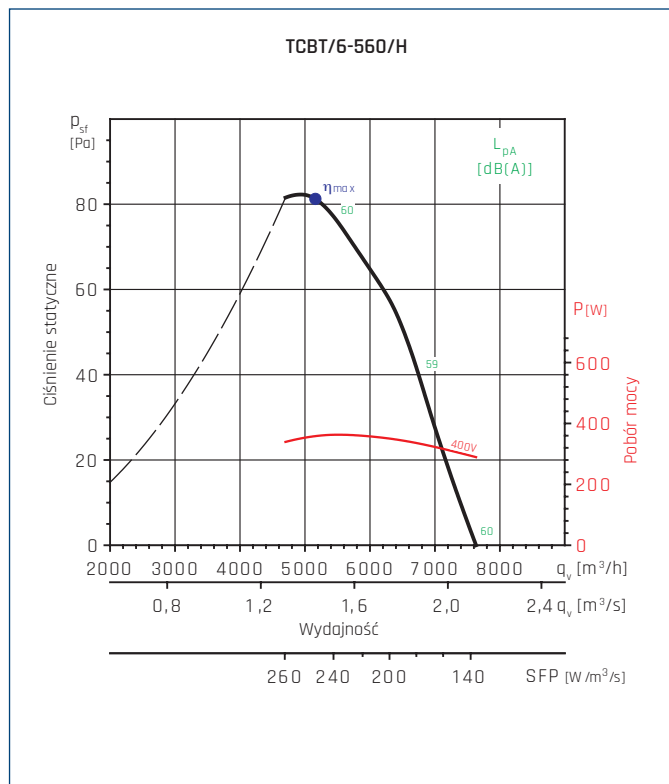
| MC | EC | VSD | SR | η [%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|--------|------|-------|
| D | Total | No | 1 | 40,0 | 51,5 | 0,151 | 3341 | 65 | 919 |

● - highest efficiency point.



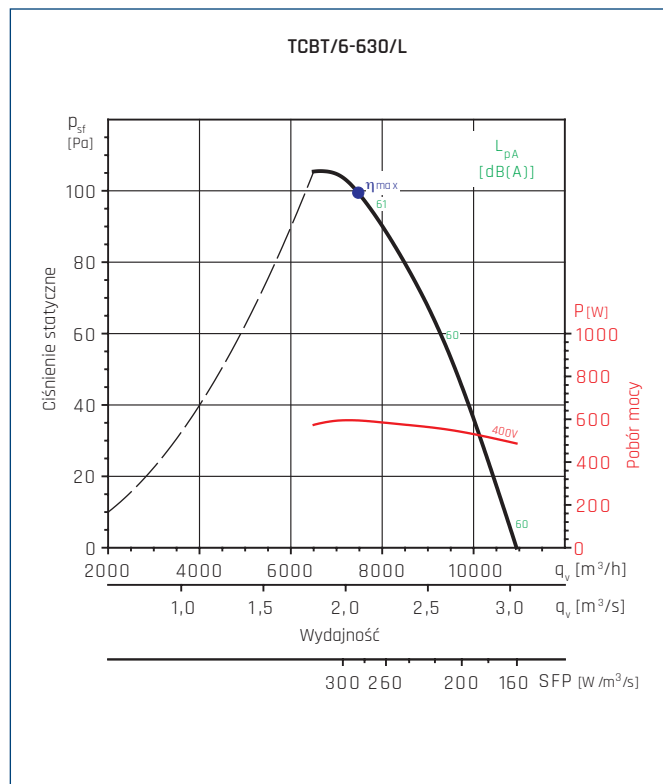
| MC | EC | VSD | SR | η [%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|--------|------|-------|
| D | Total | No | 1 | 40,1 | 50,0 | 0,275 | 5153 | 77 | 898 |

● - highest efficiency point.



| MC | EC | VSD | SR | η [%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|--------|------|-------|
| D | Total | No | 1 | 42,4 | 50,5 | 0,519 | 6760 | 117 | 918 |

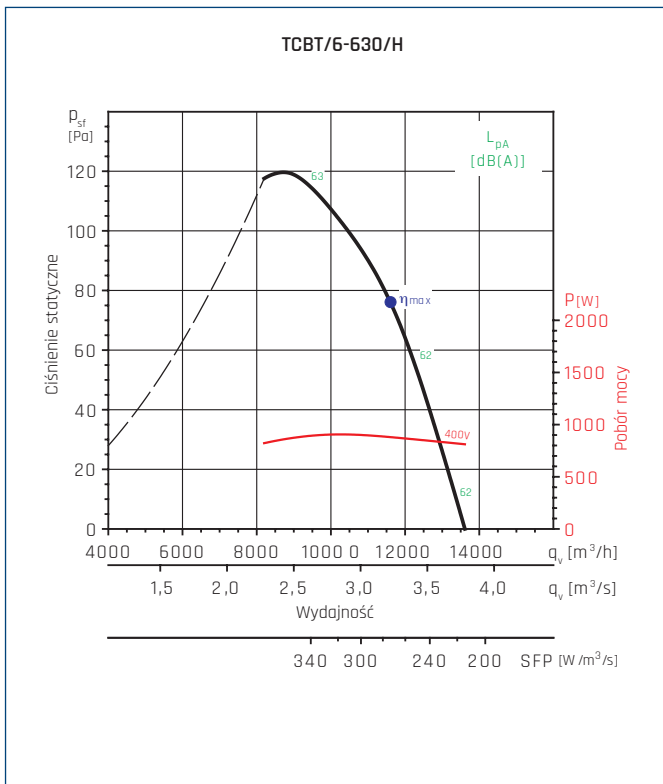
● - highest efficiency point.



| MC | EC | VSD | SR | η [%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------------|------|-------|--------|------|-------|
| D | Total | No | 1 | 47,5 | 55,5 | 0,566 | 8898 | 109 | 895 |

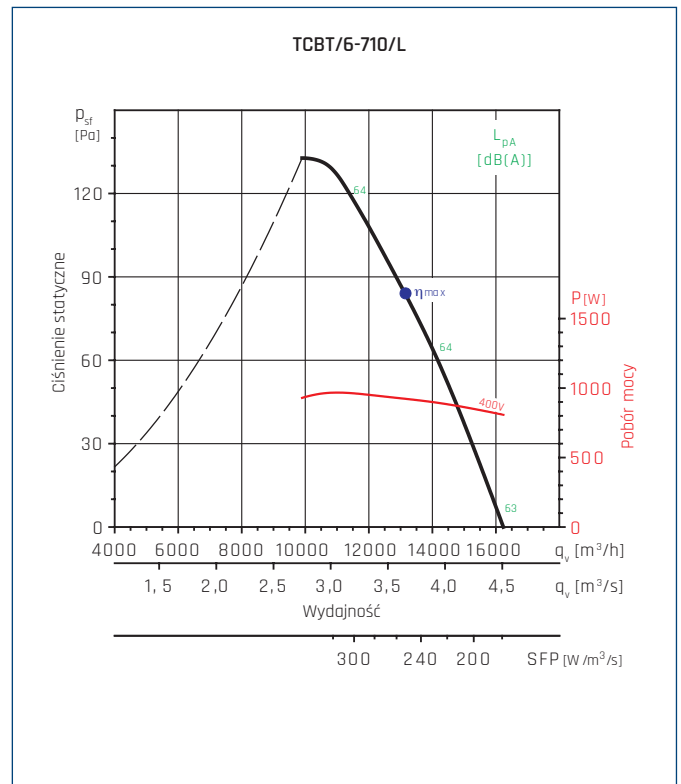
● - highest efficiency point.

PERFORMANCE CURVES



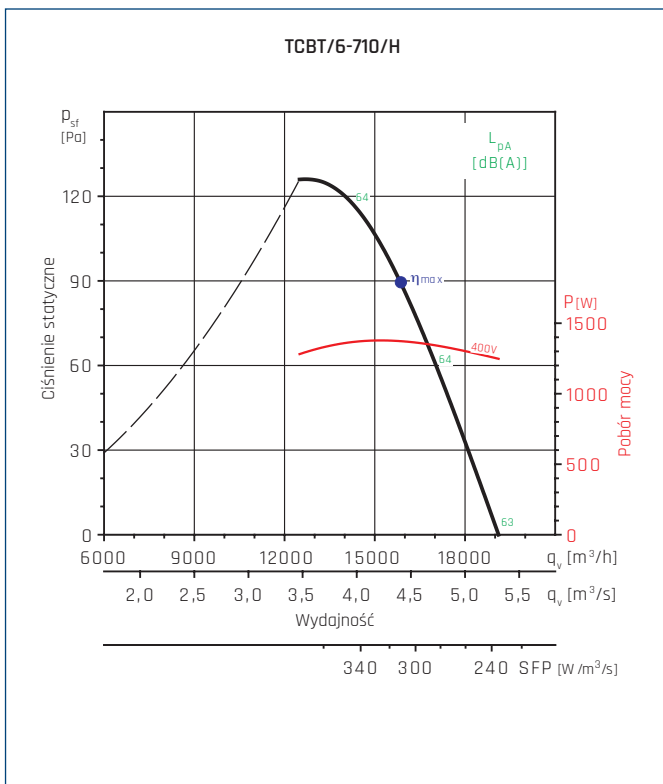
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 46,7 | 53,4 | 0,866 | 10791 | 134 | 954 |

● - highest efficiency point.



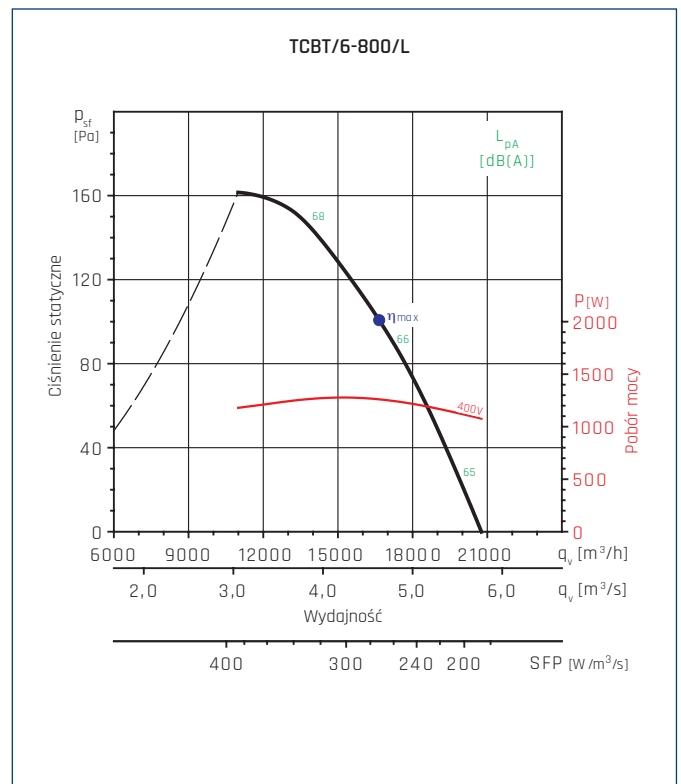
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 55,5 | 62,1 | 0,919 | 13274 | 138 | 915 |

● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 52,5 | 58,4 | 1,180 | 15054 | 148 | 902 |

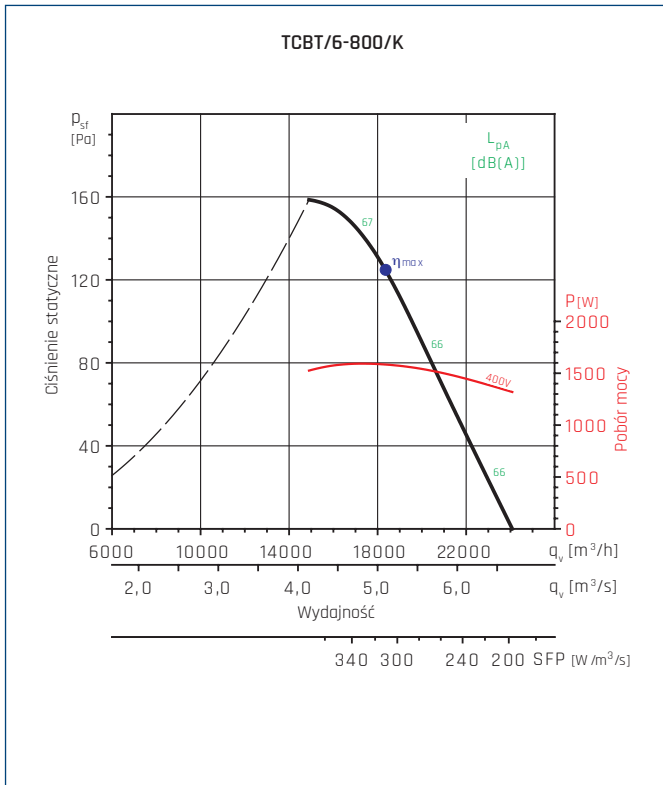
● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 56,0 | 61,7 | 1,260 | 16668 | 152 | 955 |

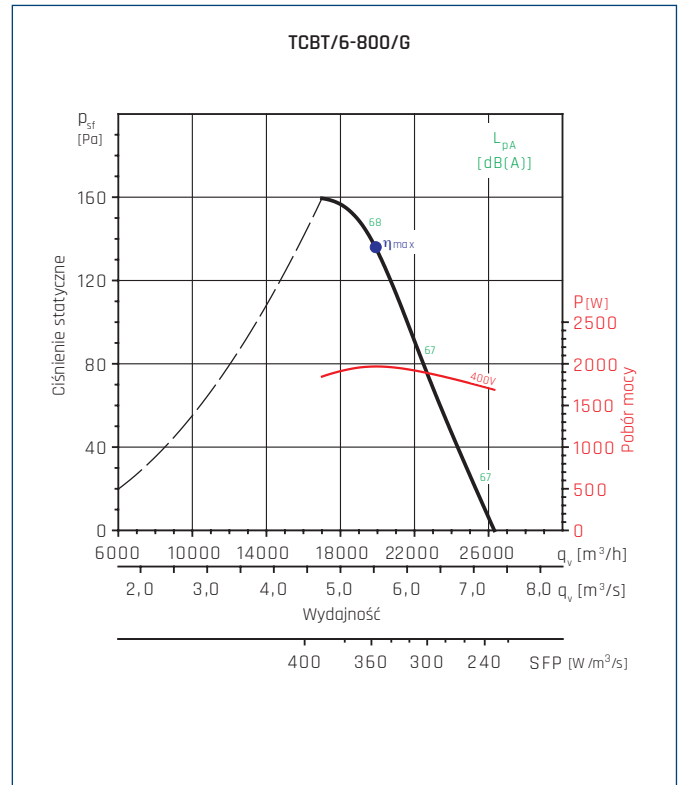
● - highest efficiency point.

PERFORMANCE CURVES



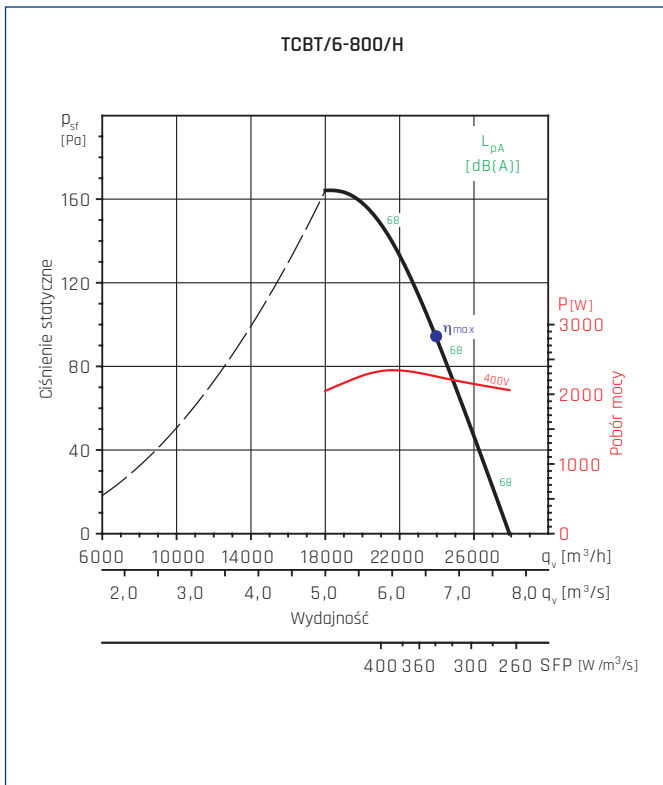
| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 60,1 | 65,2 | 1,584 | 18352 | 187 | 965 |

● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 58,6 | 63,1 | 1,968 | 19904 | 209 | 971 |

● - highest efficiency point.



| MC | EC | VSD | SR | η[%] | N | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-------|-----|----|------|------|-------|--------|------|-------|
| D | Total | No | 1 | 59,0 | 63,1 | 2,257 | 23956 | 200 | 962 |

● - highest efficiency point.

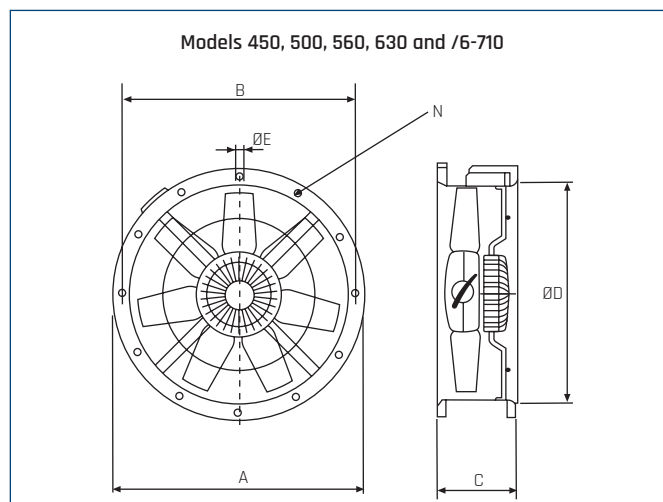
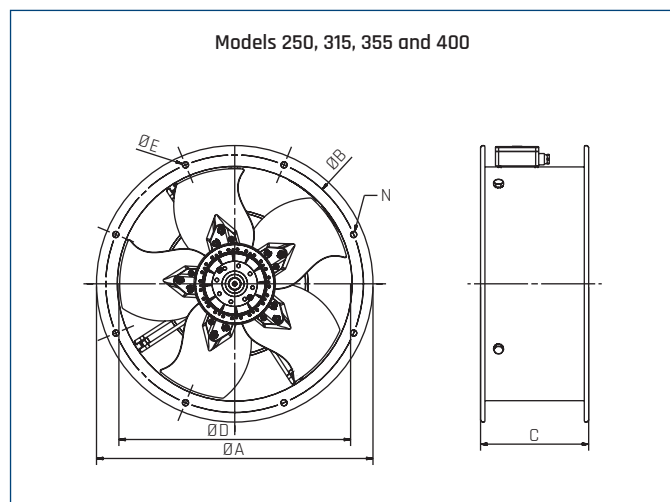
ACOUSTIC CHARACTERISTICS

The sound levels shown in the technical characteristics chart and performance curves correspond to the value of sound pressure dB(A), measured in free field conditions at a distance equivalent to three times the diameter of the impeller with a minimum of 1.5 meters.

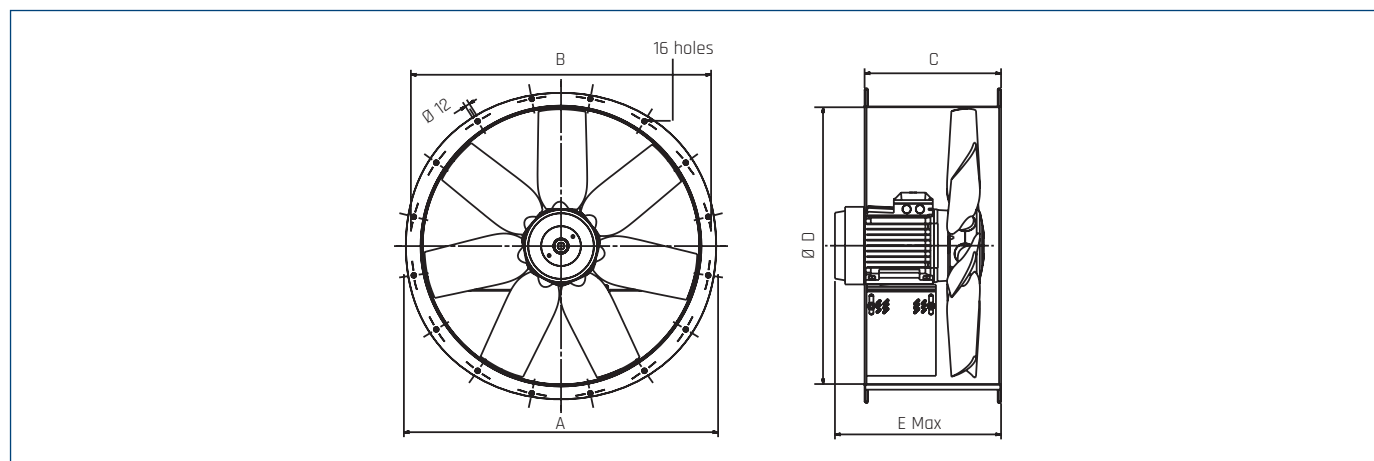
Sound power level spectrum in dB(A) at the corresponding frequency band in Hz and the point of maximum flow.

| Type | Frequency [Hz] / dB(A) | | | | | | | | |
|----------|------------------------|-----|-----|-----|------|------|------|------|-----------------|
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} |
| /2-250/H | 31 | 44 | 59 | 65 | 74 | 70 | 64 | 56 | 76 |
| /4-250/H | 24 | 37 | 41 | 47 | 52 | 52 | 47 | 41 | 57 |
| /4-315/H | 40 | 51 | 45 | 53 | 59 | 59 | 51 | 43 | 63 |
| /4-355/H | 24 | 40 | 45 | 55 | 58 | 58 | 49 | 42 | 62 |
| /4-400/H | 46 | 53 | 59 | 66 | 69 | 69 | 66 | 58 | 74 |
| /4-450/H | 46 | 58 | 65 | 71 | 73 | 71 | 67 | 59 | 77 |
| /4-500/H | 50 | 62 | 69 | 75 | 76 | 75 | 70 | 62 | 81 |
| /4-560/L | 52 | 64 | 71 | 77 | 78 | 77 | 72 | 64 | 83 |
| /4-560/H | 53 | 65 | 72 | 78 | 79 | 78 | 73 | 65 | 84 |
| /4-630/L | 56 | 67 | 75 | 80 | 82 | 81 | 76 | 68 | 87 |
| /4-630/H | 56 | 67 | 75 | 80 | 82 | 81 | 76 | 68 | 87 |
| /4-710/L | 53 | 69 | 79 | 85 | 86 | 84 | 78 | 70 | 91 |
| /4-710/H | 60 | 72 | 79 | 85 | 86 | 85 | 80 | 72 | 91 |
| /4-800/L | 57 | 73 | 83 | 90 | 91 | 88 | 82 | 74 | 95 |
| /4-800/K | 63 | 75 | 82 | 88 | 90 | 88 | 84 | 76 | 94 |
| /4-800/G | 64 | 76 | 83 | 89 | 90 | 89 | 84 | 76 | 95 |
| /4-800/H | 66 | 77 | 84 | 90 | 92 | 91 | 86 | 78 | 96 |
| /6-355/H | 31 | 42 | 49 | 55 | 57 | 55 | 51 | 43 | 61 |
| /6-400/H | 33 | 44 | 51 | 57 | 59 | 58 | 53 | 45 | 64 |
| /6-450/H | 40 | 51 | 58 | 63 | 64 | 62 | 56 | 48 | 69 |
| /6-500/H | 43 | 53 | 61 | 66 | 66 | 64 | 58 | 50 | 71 |
| /6-560/L | 46 | 57 | 64 | 69 | 70 | 67 | 61 | 53 | 74 |
| /6-560/H | 46 | 56 | 64 | 69 | 69 | 67 | 61 | 53 | 74 |
| /6-630/L | 49 | 59 | 66 | 71 | 72 | 70 | 64 | 56 | 77 |
| /6-630/H | 51 | 61 | 68 | 73 | 74 | 72 | 66 | 58 | 79 |
| /6-710/L | 52 | 62 | 69 | 75 | 75 | 73 | 67 | 59 | 80 |
| /6-710/H | 53 | 64 | 71 | 76 | 77 | 75 | 69 | 61 | 82 |
| /6-800/L | 51 | 66 | 76 | 79 | 79 | 76 | 69 | 61 | 84 |
| /6-800/K | 51 | 66 | 76 | 79 | 79 | 76 | 69 | 61 | 84 |
| /6-800/G | 56 | 67 | 74 | 79 | 80 | 78 | 72 | 64 | 85 |
| /6-800/H | 58 | 69 | 76 | 81 | 82 | 79 | 73 | 65 | 86 |

DIMENSIONS [mm]

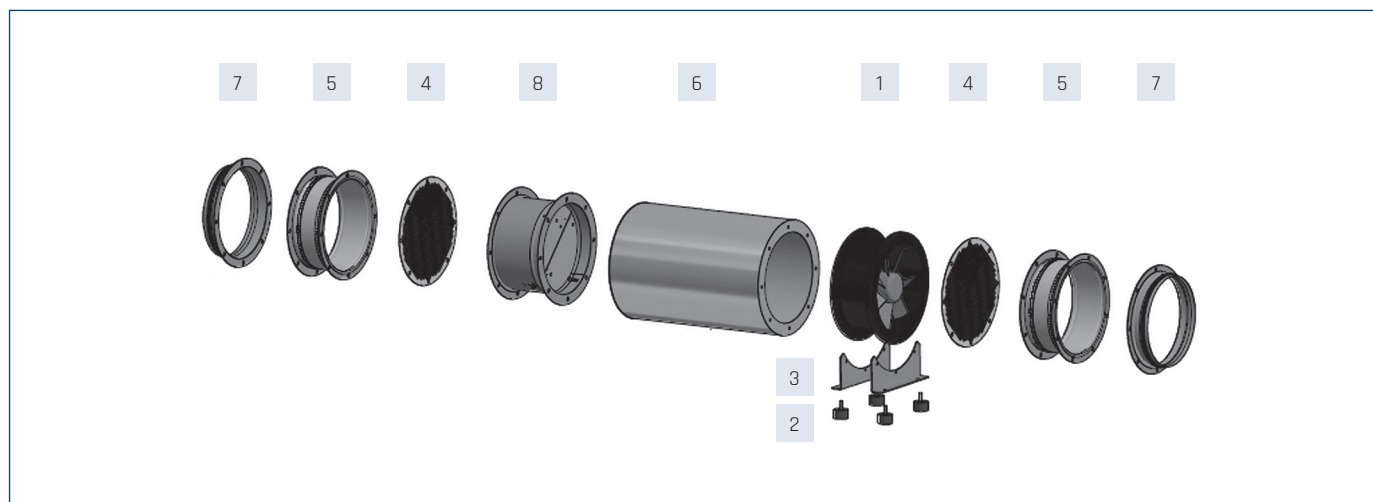


| Type | ØA | ØB | C | ØD | ØE | number of holes N |
|--------------|-----|-----|-----|-----|----|-------------------|
| 250 | 327 | 292 | 170 | 254 | 10 | 4 |
| 315 | 386 | 355 | 170 | 315 | 10 | 8 |
| 355 | 426 | 395 | 170 | 355 | 10 | 8 |
| 400 (6 pole) | 487 | 450 | 170 | 400 | 12 | 8 |
| 400 (4 pole) | 487 | 450 | 210 | 400 | 12 | 8 |
| 450 | 537 | 500 | 180 | 450 | 12 | 8 |
| 500 | 595 | 560 | 180 | 500 | 12 | 12 |
| 560 | 655 | 620 | 240 | 560 | 12 | 12 |
| 630 | 725 | 690 | 240 | 630 | 12 | 12 |
| 710 (6 pole) | 806 | 770 | 240 | 710 | 12 | 16 |



| Type | ØA | B | C | ØD | E | | |
|----------------|-----|-----|-----|-----|------------------------------|--------|--------|
| | | | | | 4 pole | 6 pole | 8 pole |
| 710/L (4 pole) | 806 | 770 | 380 | 710 | 415 | - | - |
| 710/H (4 pole) | 806 | 770 | 380 | 710 | 444 | - | - |
| 800/L | 896 | 860 | 380 | 800 | 437 | 408 | 383 |
| 800/K | 896 | 860 | 380 | 800 | 439 | 437 | 408 |
| 800/G | 896 | 860 | 380 | 800 | 447 (5,5 kW) 515 (7,5 kW) | 448 | 437 |
| 800/H | 896 | 860 | 380 | 800 | 515 | 477 | 437 |

ACCESSORY ASSEMBLY



| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
|------|----------------|---------------|-------------|--------------------|-----------------------|-----------------------|-----------------|-------------------|
| Type | vibro-isolator | mounting feet | wire guard | flexible connector | sound attenuator 1xØD | sound attenuator 2xØD | matching flange | backdraft shutter |
| 250 | 26040960 | 42516100 | 42518100 | 42519500 | 40521981 | 40521982 | 42517100 | 42516500 |
| 315 | 26040960 | 42516110 | 42518110 | 42519510 | 40521983 | 40521984 | 42517110 | 42516504 |
| 355 | 26040960 | 42516120 | 42518120 | 42519520 | 40521985 | 40521986 | 42517120 | 42516508 |
| 400 | 26040960 | 42516130 | 42518130 | 42519530 | 40521987 | 40521988 | 42517130 | 42516512 |
| 450 | 26040960 | 42516140 | 42518140-02 | 42519540 | 40521989 | 40521990 | 42517140 | 42516516 |
| 500 | 26040960 | 42516150 | 42518150 | 42519550 | 40521991 | 40521992 | 42517150 | 42516520 |
| 560 | 26040960 | 42516160 | 42518160 | 42519560 | 40521993 | 40521994 | 42517160 | 42516524 |
| 630 | 26040960 | 42516170 | 42518170 | 42519570 | 40521995 | 40521996 | 42517170 | 42516528 |
| 710 | 26040960 | 42516185 | 42518185 | 42519585 | 40521997-01 | 40521998-01 | 42517185 | 42516536 |
| 800 | 26040965 | 42516195 | 42518195 | 42519595 | 40521999-01 | 40522000-01 | 42517195 | 42516544 |

| | | | | | | |
|--------------------------------------|-------------------------------------|----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------------|
| | | | | | | |
| shutters PER-W/N p. 392 | shutters PER-CN p. 393 | mounting feet p. 394 | wire guard p. 394 | flexible connector p. 397 | matching flange p. 395 | backdraft shutter p. 396 |

ELECTRICAL ACCESSORIES

| Type | wall thermostat | duct thermostat | air quality sensor | humidistat | thyristor controller | | |
|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------|----------|
| | TS | TK-1 | SQA | HIG-2 | REB N | REB NE | TLR |
| SINGLE-PHASE | | | | | | | |
| TCBB/2-250/H | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| TCBB/4-250/H | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| TCBB/4-315/H | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| TCBB/4-355/H | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| TCBB/4-400/H | 40025345 | 40025330 | 40025140 | 40025150 | 40025030 | 40025040 | 40025045 |
| TCBB/4-450/H | 40025345 | 40025330 | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBB/4-500/H | 40025345 | 40025330 | 40025140 + contactor | 40025150 + contactor | 40025051 | - | - |
| TCBB/4-560/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | 40025055 | - | - |
| TCBB/4-560/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | 40025055 | - | - |
| TCBB/4-630/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | 40025055 | - | - |
| TCBB/6-355/H | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| TCBB/6-400/H | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| TCBB/6-500/H | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| TCBB/6-560/L | 40025345 | 40025330 | 40025140 + contactor | 40025150 + contactor | 40025030 | 40025040 | 40025045 |
| TCBB/6-630/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | 40025051 | - | - |
| TCBB/6-710/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | 40025055 | - | - |
| THREE-PHASE | | | | | | | |
| TCBT/2-250/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-250/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-315/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-355/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-400/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-450/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-500/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-560/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-560/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-630/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-630/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-710/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-710/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-800/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-800/K | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-800/G | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/4-800/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-355/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-400/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-450/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-500/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-560/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-630/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-630/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-710/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-710/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-800/L | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-800/K | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-800/G | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| TCBT/6-800/H | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |

* Contactor selected in reserve for rated current in category AC 23; Not available for purchase from Ventur.



ELECTRICAL ACCESSORIES

| Type | 11-speed thyristor regulator | 2-adjustable 6-speed thyristor reg. | ERV | transformer regulator | | | transformer regulator 2-adjustable | | inverter |
|---------------------|------------------------------|-------------------------------------|----------|-----------------------|----------|----------|------------------------------------|----------|----------|
| | IRF | RND-1 | | RMB | RVS | RMT | SC2 | SC2A | |
| SINGLE-PHASE | | | | | | | | | |
| TCBB/2-250/H | - | - | - | - | - | - | - | - | - |
| TCBB/4-250/H | - | - | - | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| TCBB/4-315/H | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| TCBB/4-355/H | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| TCBB/4-400/H | 40015154 | 40025630 | 40025046 | 40025060 | 40025234 | - | 40025252 | 40025253 | - |
| TCBB/4-450/H | - | - | - | - | - | - | - | - | - |
| TCBB/4-500/H | 40015154 | - | 40025053 | 40025070 | 40025234 | - | 40025254 | 40025255 | - |
| TCBB/4-560/L | - | - | 40025054 | 40025080 | 40025235 | - | 40025258 | 40025259 | - |
| TCBB/4-560/H | - | - | 40025054 | - | - | - | 40025258 | 40025259 | - |
| TCBB/4-630/L | - | - | 40025054 | - | - | - | 40025258 | 40025259 | - |
| TCBB/6-355/H | - | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| TCBB/6-400/H | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| TCBB/6-500/H | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| TCBB/6-560/L | 40015154 | 40025630 | 40025053 | 40025070 | 40025234 | - | 40025252 | 40025253 | - |
| TCBB/6-630/L | 40015154 | - | 40025053 | 40025080 | 40025235 | - | 40025254 | 40025255 | - |
| TCBB/6-710/L | - | - | - | - | - | - | - | - | - |
| THREE-PHASE | | | | | | | | | |
| TCBT/2-250/H | - | - | - | - | - | - | - | - | 40016302 |
| TCBT/4-250/H | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| TCBT/4-315/H | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| TCBT/4-355/H | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| TCBT/4-400/H | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| TCBT/4-450/H | - | - | - | - | - | 40025105 | - | 40025272 | 40016312 |
| TCBT/4-500/H | - | - | - | - | - | 40025105 | - | 40025274 | 40016312 |
| TCBT/4-560/L | - | - | - | - | - | 40025105 | - | 40025274 | 40016312 |
| TCBT/4-560/H | - | - | - | - | - | - | - | - | 40016312 |
| TCBT/4-630/L | - | - | - | - | - | - | - | - | 40016322 |
| TCBT/4-630/H | - | - | - | - | - | - | - | - | 40016322 |
| TCBT/4-710/L | - | - | - | - | - | - | - | - | 40016322 |
| TCBT/4-710/H | - | - | - | - | - | - | - | - | 40016352 |
| TCBT/4-800/L | - | - | - | - | - | - | - | - | 40016352 |
| TCBT/4-800/K | - | - | - | - | - | - | - | - | 40016352 |
| TCBT/4-800/G | - | - | - | - | - | - | - | - | 40016362 |
| TCBT/4-800/H | - | - | - | - | - | - | - | - | 40016372 |
| TCBT/6-355/H | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| TCBT/6-400/H | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| TCBT/6-450/H | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| TCBT/6-500/H | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| TCBT/6-560/H | - | - | - | - | - | 40025105 | - | 40025274 | 40016312 |
| TCBT/6-630/L | - | - | - | - | - | 40025105 | - | 40025272 | 40016312 |
| TCBT/6-630/H | - | - | - | - | - | 40025115 | - | 40025276 | 40016322 |
| TCBT/6-710/L | - | - | - | - | - | - | - | - | 40016322 |
| TCBT/6-710/H | - | - | - | - | - | - | - | - | 40016322 |
| TCBT/6-800/L | - | - | - | - | - | - | - | - | 40016322 |
| TCBT/6-800/K | - | - | - | - | - | - | - | - | 40016322 |
| TCBT/6-800/G | - | - | - | - | - | - | - | - | 40016332 |
| TCBT/6-800/H | - | - | - | - | - | - | - | - | 40016332 |

