

T99FANSAZ

Double-inlet Forward
Blowers Fan



TDF

Double-inlet Forward Blower Fan



پره‌های فن فوروارد انحنایی در جهت چرخش دارند و زاویه آنها بیشتر از ۹۰ درجه می‌باشد. فن سانتریفیوژ فوروارد دارای دبی و فشار استاتیک بیشتری نسبت به مدل بکوارد البته در سایز و دور یکسان می‌باشد. این محصول دارای صدای کم و راندمان بالا در دورهای پایین است و در سیستم‌های مختلف تهویه مطبوع (خانگی و صنعتی)، هواسازها، خشک کن‌ها و دستگاه‌های فراوری مواد غذایی، سیستم‌های تخلیه هوای ساختمان‌های تجاری و صنعتی، هودهای خانگی و آزمایشگاهی، هیترها و تمامی سیستم‌هایی که احتیاج به جابجایی هوای زیاد دارند، استفاده می‌شود.

● دبی حجمی تولیدی تا ۱۴۰,۰۰۰ مترمکعب بر ساعت

● فشار کل (Pt) تولیدی تا ۱۵۰۰ پاسکال

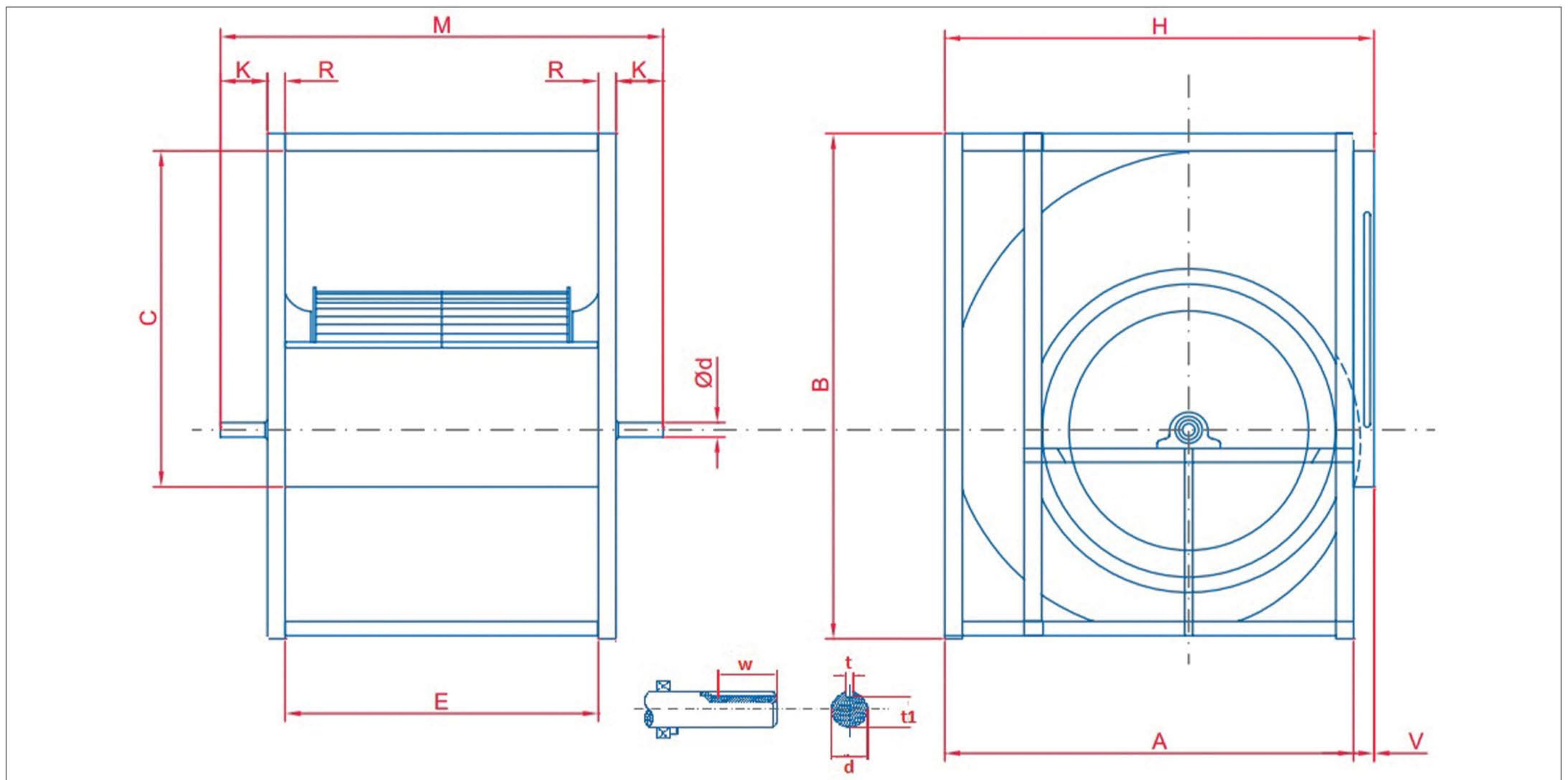
● از قطر ۰.۲ m (۷ inch) الی ۱.۲ m (۴۸ inch)

Double-inlet Forward Blower Fan



The forward-blade centrifugal fan has blades curved in the direction of rotation, and their angle is greater than 90 degrees. The forward-blade centrifugal fan provides a higher volume flow rate and static pressure compared to the backward-blade model, assuming the same size and speed. This product is characterized by low noise and high efficiency at lower speeds. It is widely used in various HVAC systems (residential and industrial), air handlers, dryers, food processing equipment, building exhaust systems for commercial and industrial buildings, domestic and laboratory hoods, heaters, and all systems that require high air movement.

It can produce a volume flow rate of up to 140,000 cubic meters per hour and a total pressure of up to 1500 Pascal. The diameter ranges from 0.2 to 1.2 meters.



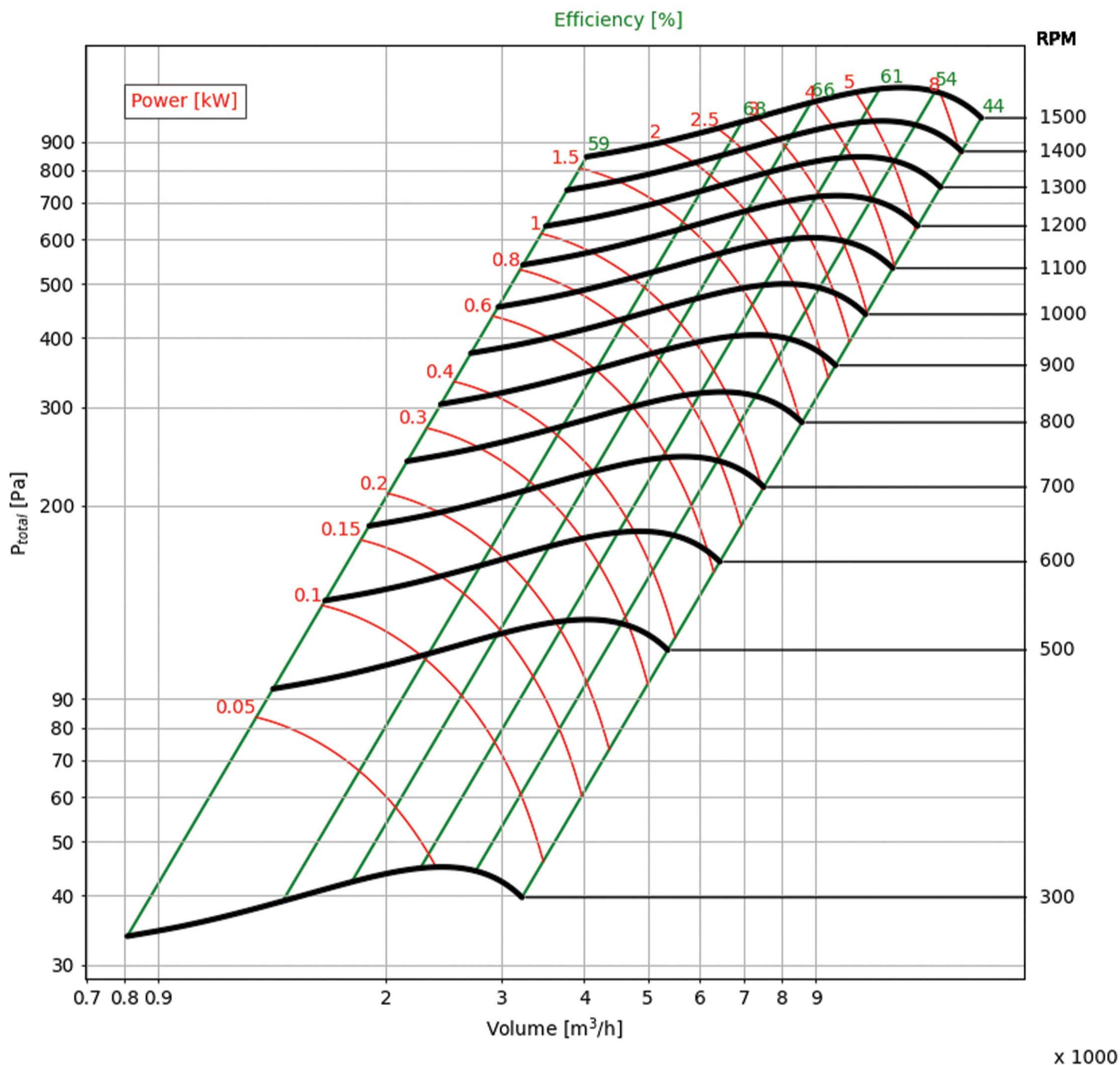
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-12*12	465	525	360	425	490	660	30	25	97.5	8	26	65	30

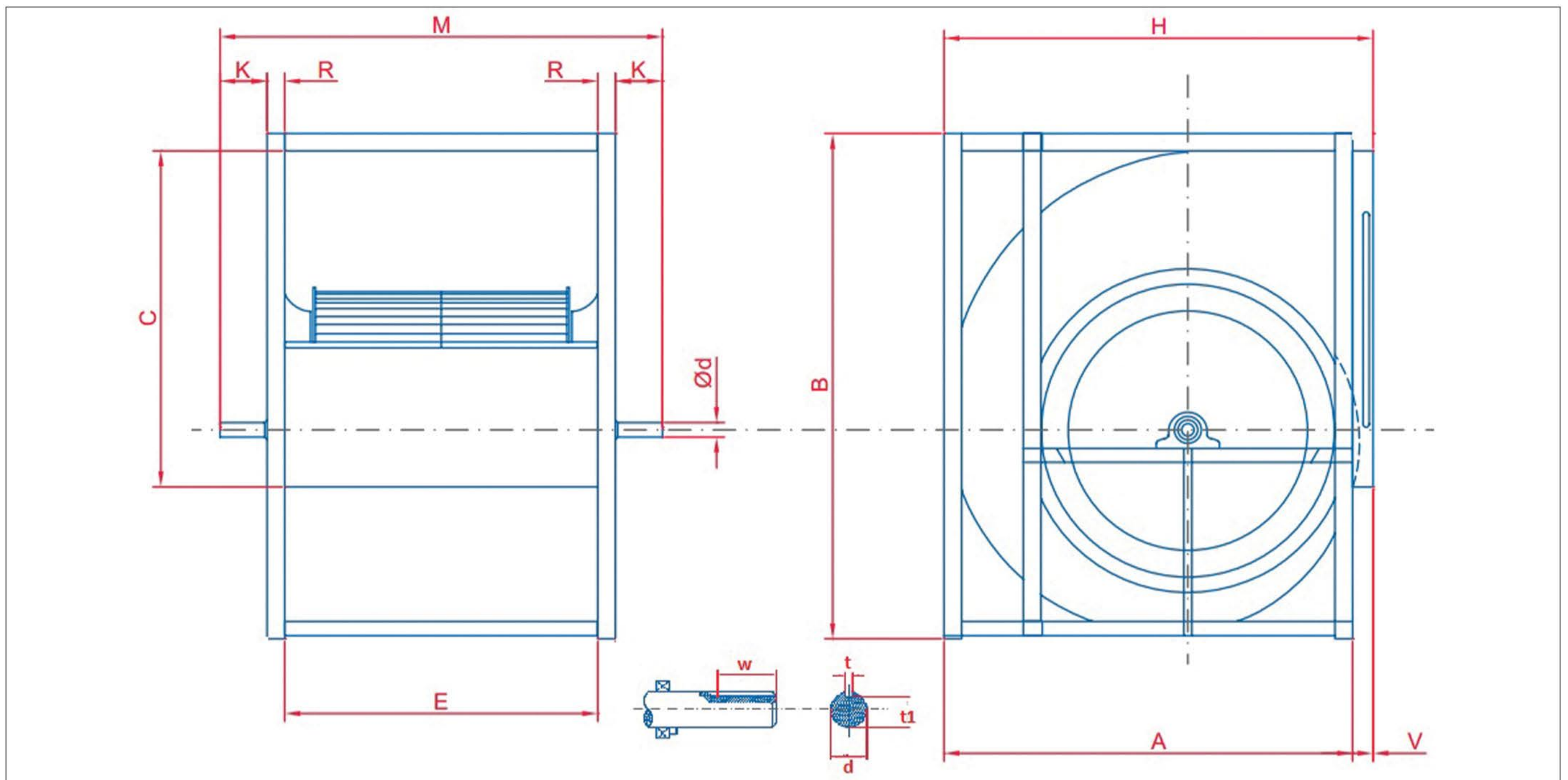
TDF - 12*12	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	1450 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	340 [mm]

Double-inlet Forward Blower Fan

TDF

12*12





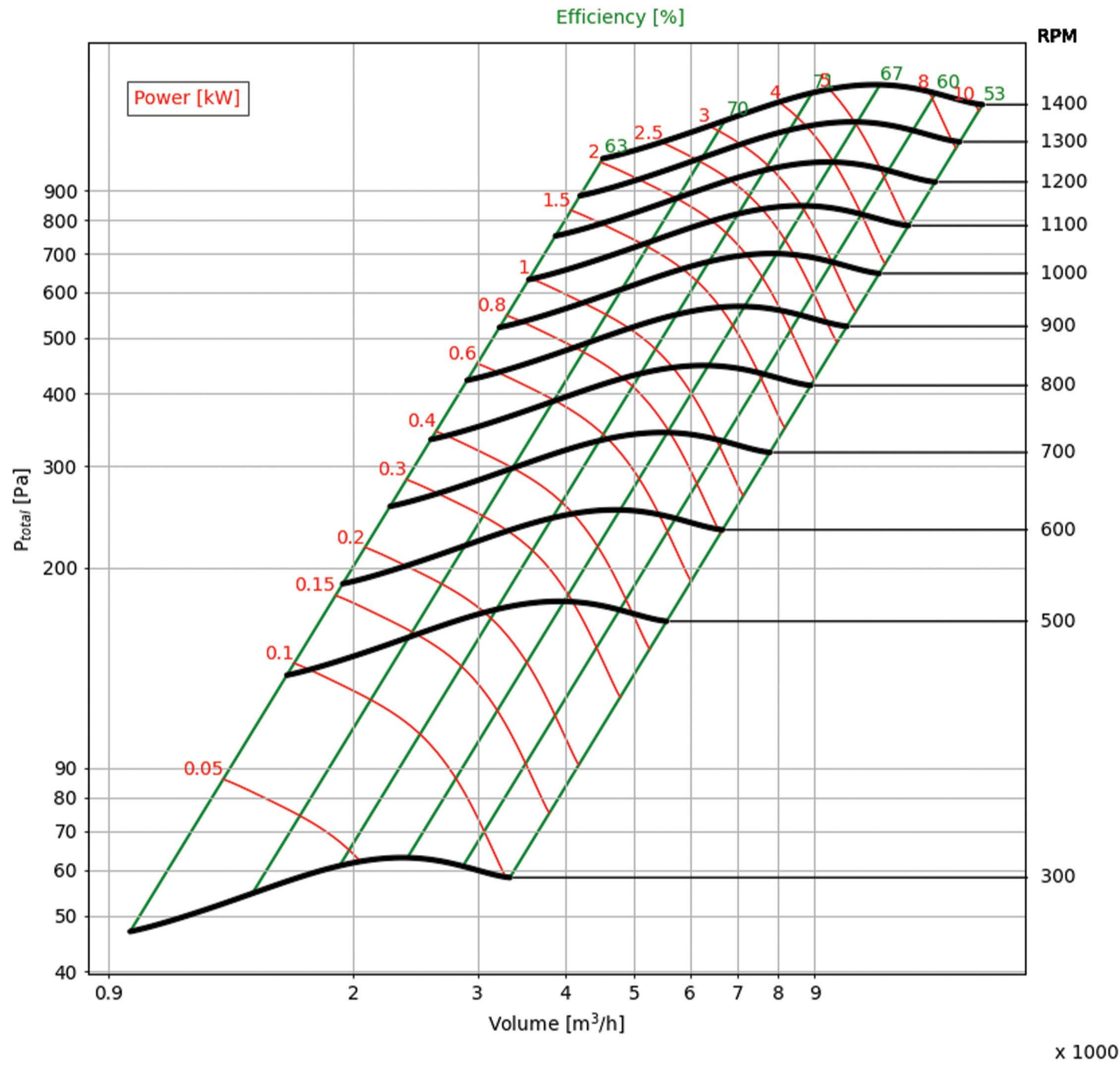
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-15*11	545	605	420	425	570	660	30	25	87.5	8	26	65	30

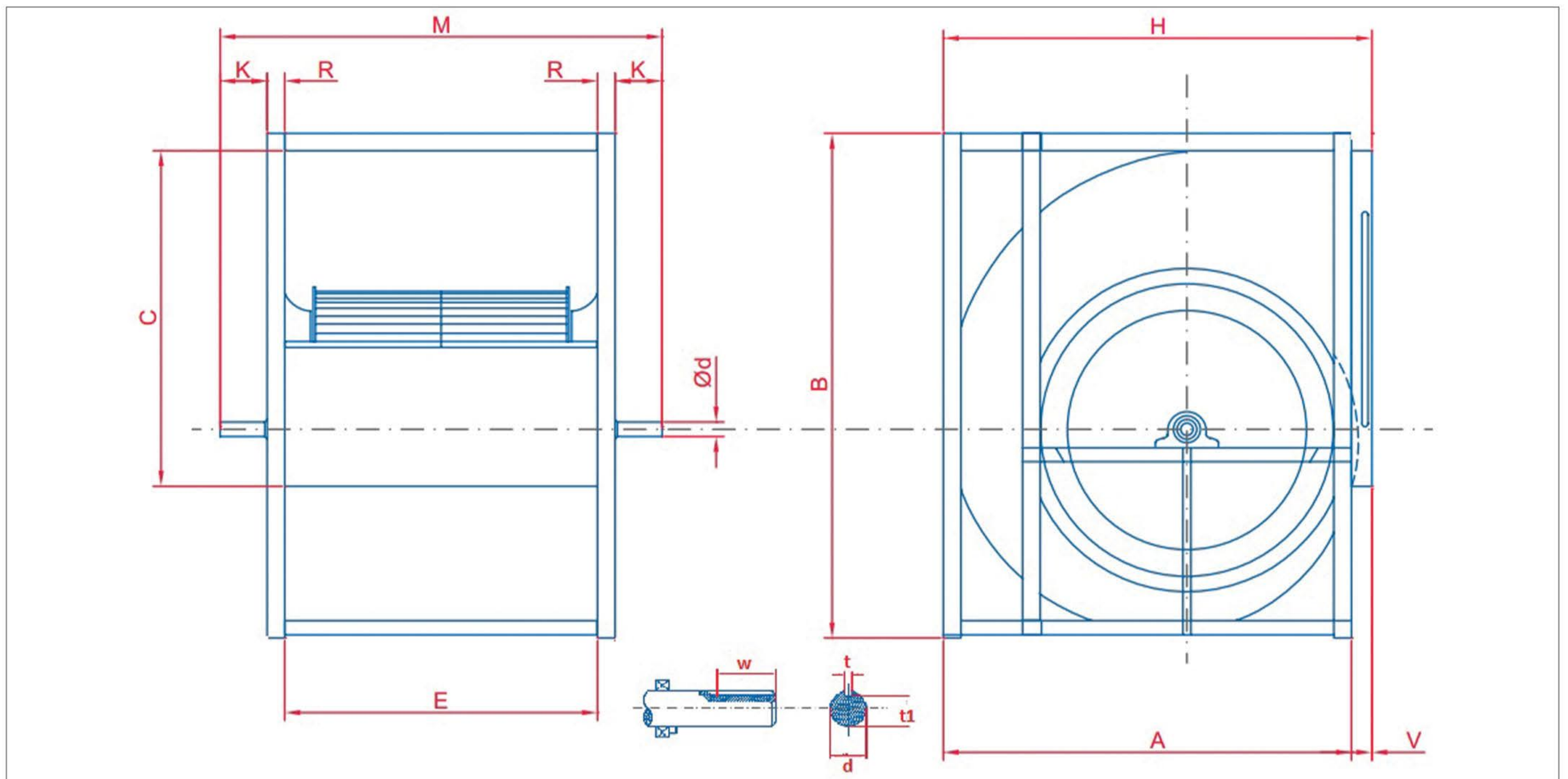
TDF - 15*11	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	1400 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	405 [mm]

Double-inlet Forward Blower Fan

TDF

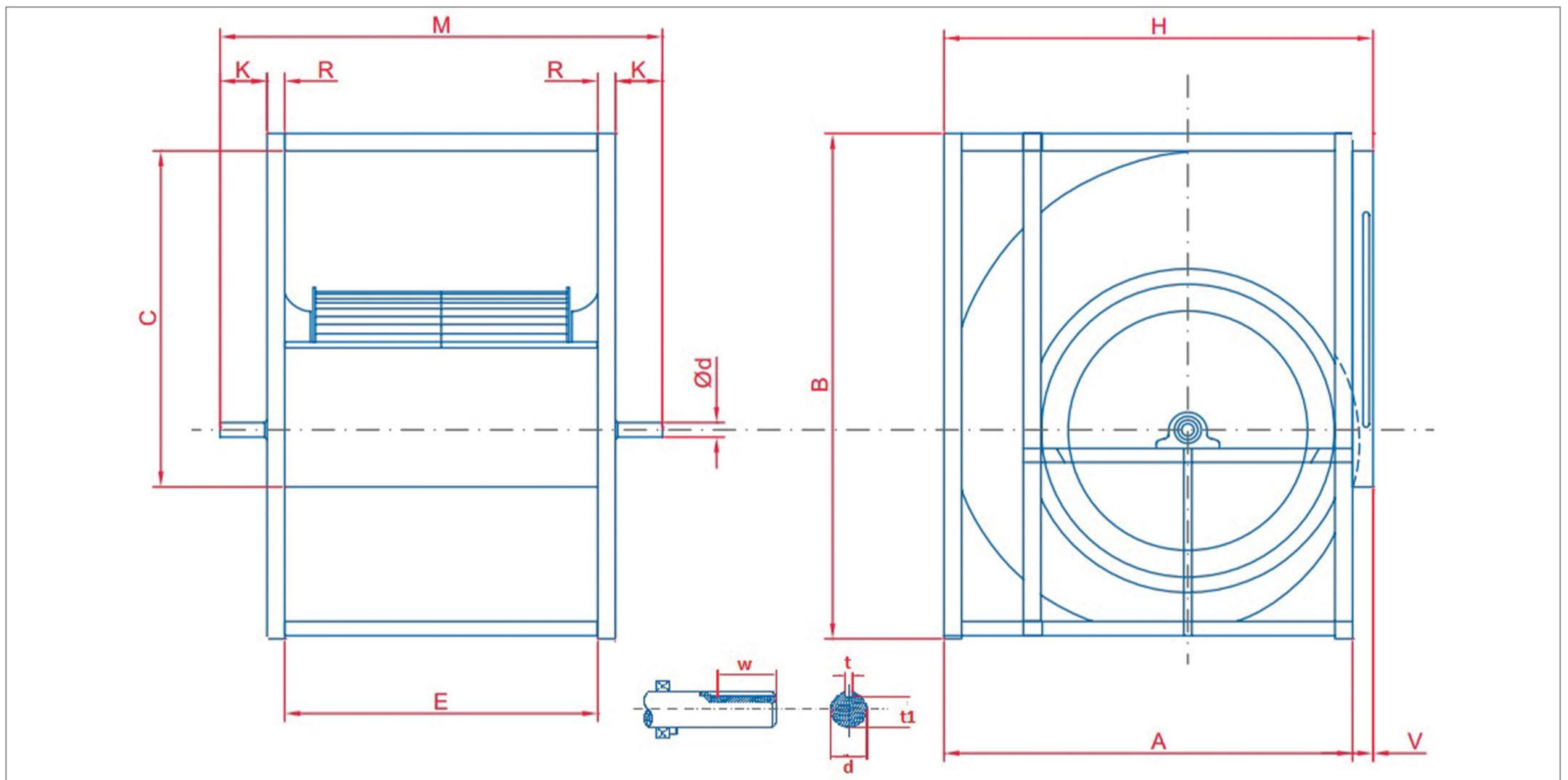
15*11





Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-15*15	545	605	420	495	570	715	30	25	82.5	8	26	65	30

TDF - 15*15	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	1200 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	405 [mm]



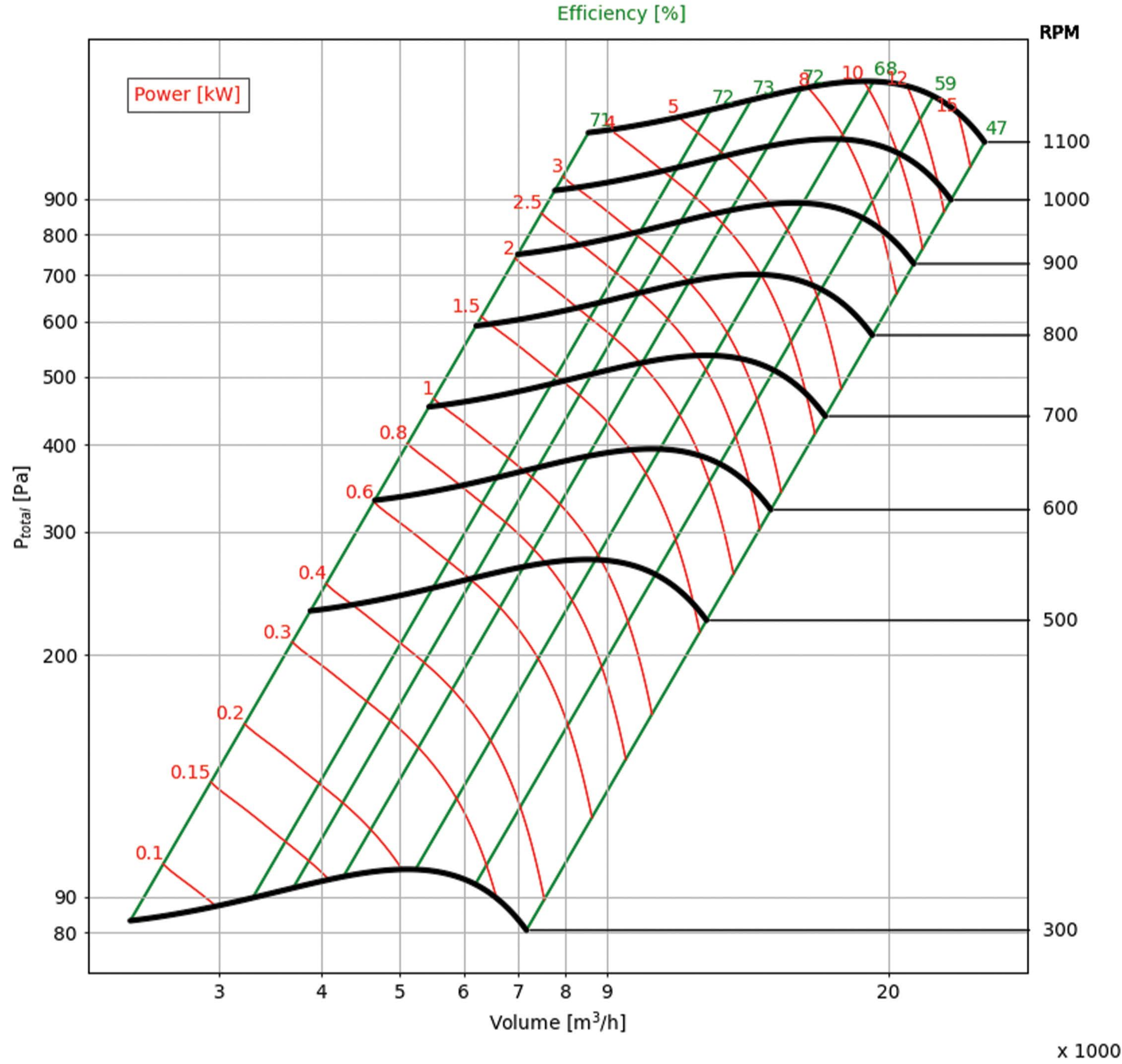
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-18*13	665	755	500	445	695	680	40	30	77.5	8	26	65	30

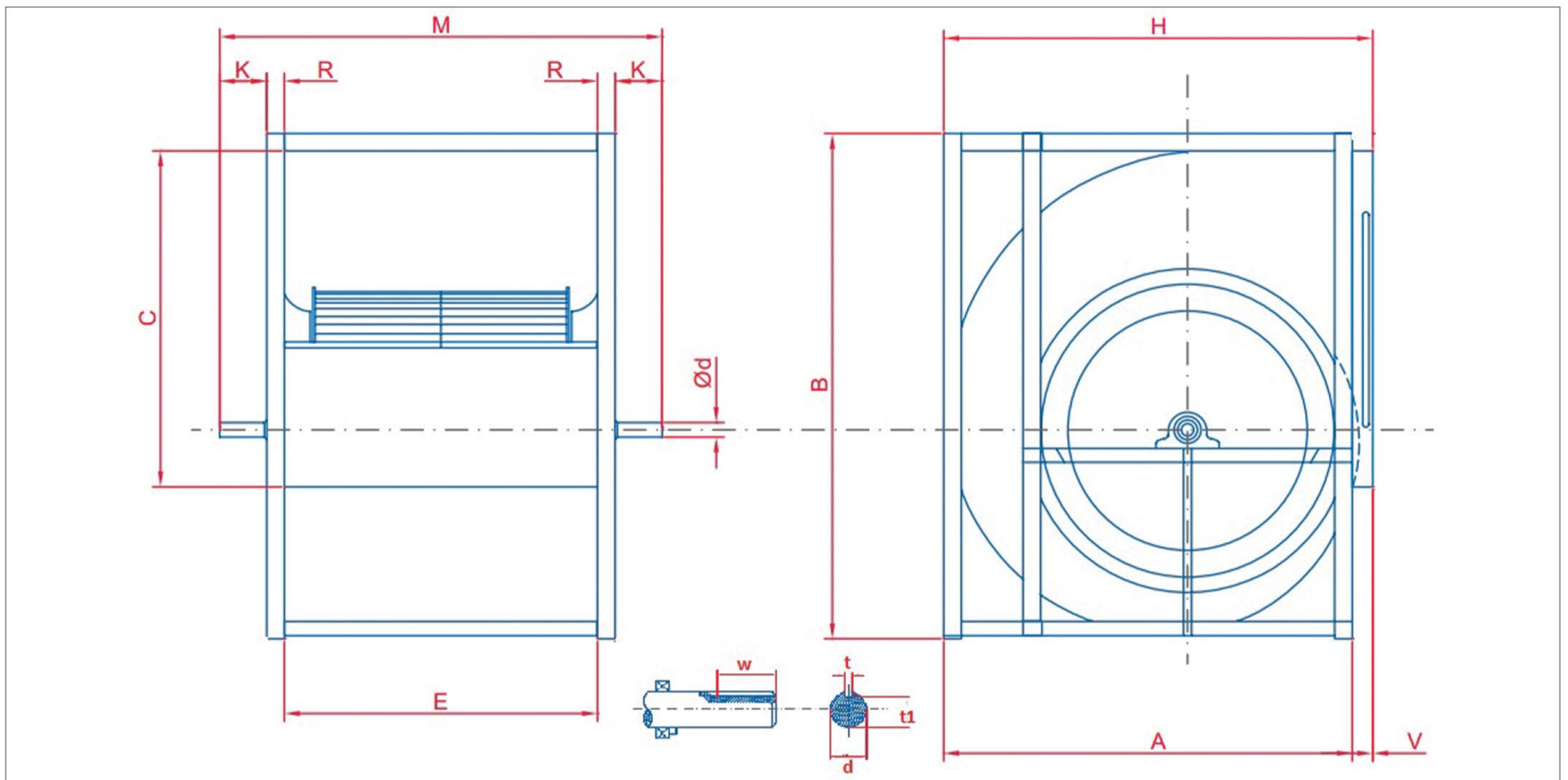
TDF - 18*13	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	1100 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	480 [mm]

Double-inlet Forward Blower Fan

TDF

18*13





Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-18*18	665	755	480	558	695	793	40	30	73	8	26	65	30

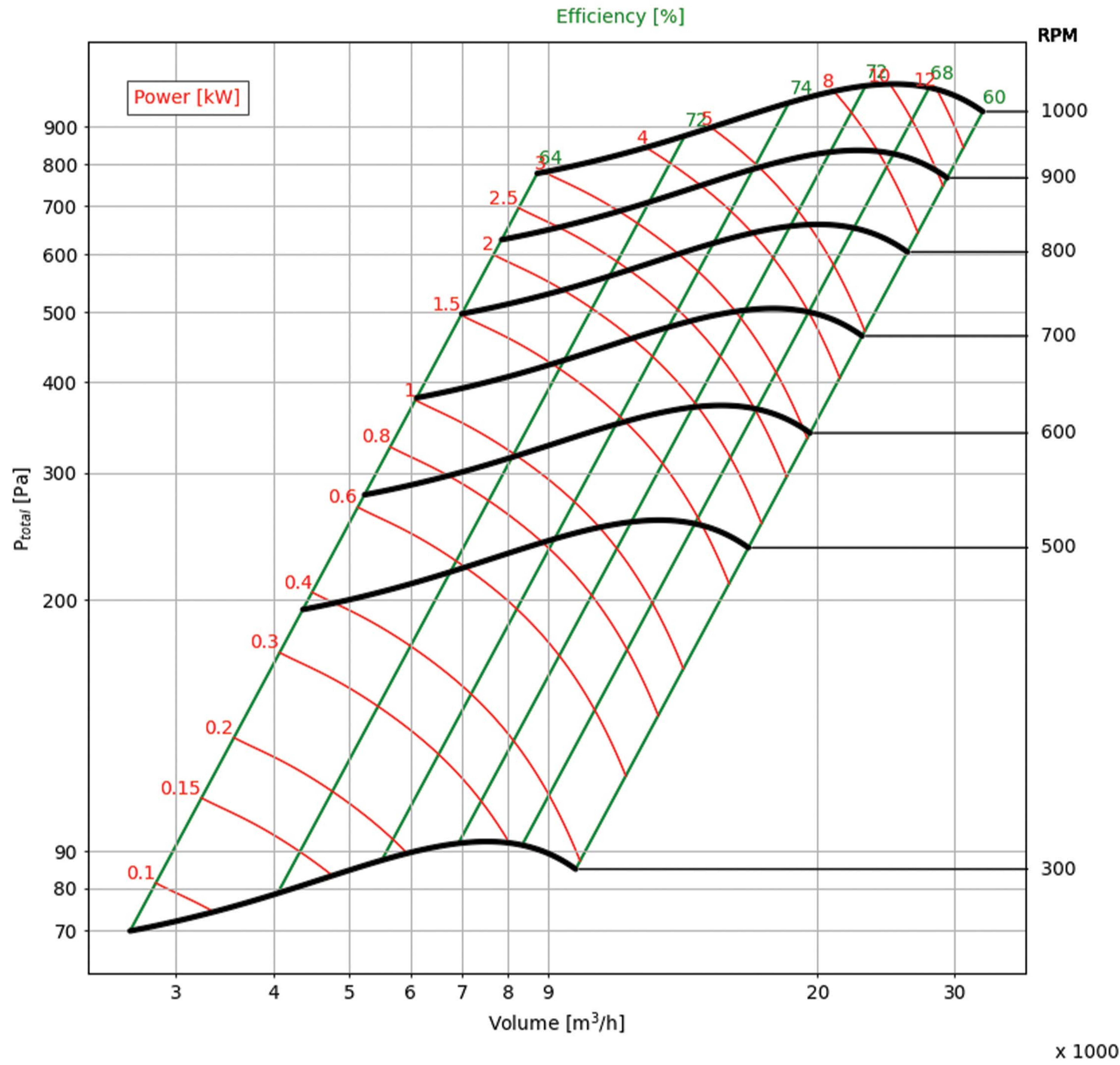
TDF - 18*18

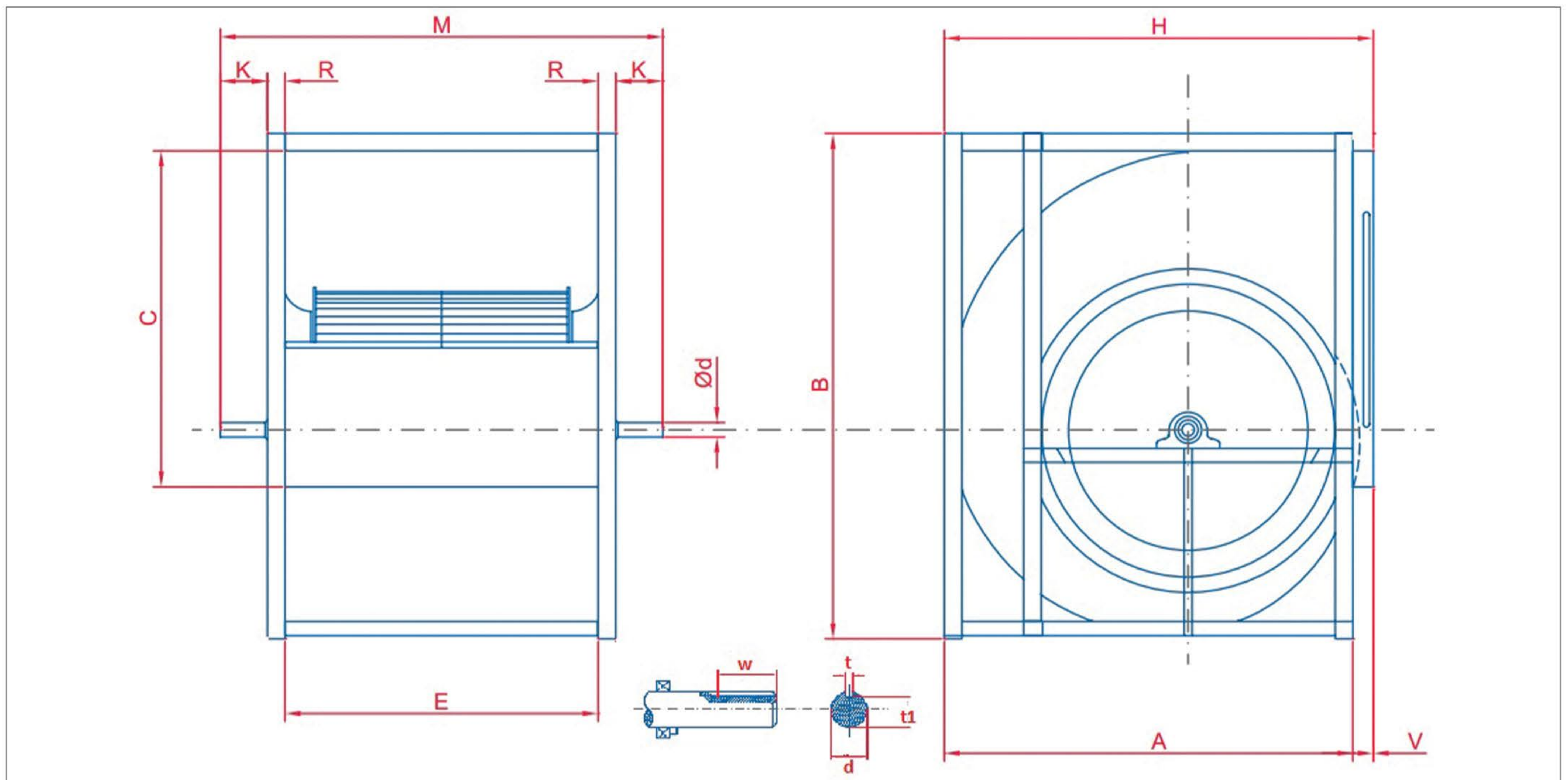
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	1000 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	480 [mm]

Double-inlet Forward Blower Fan

TDF

18*18



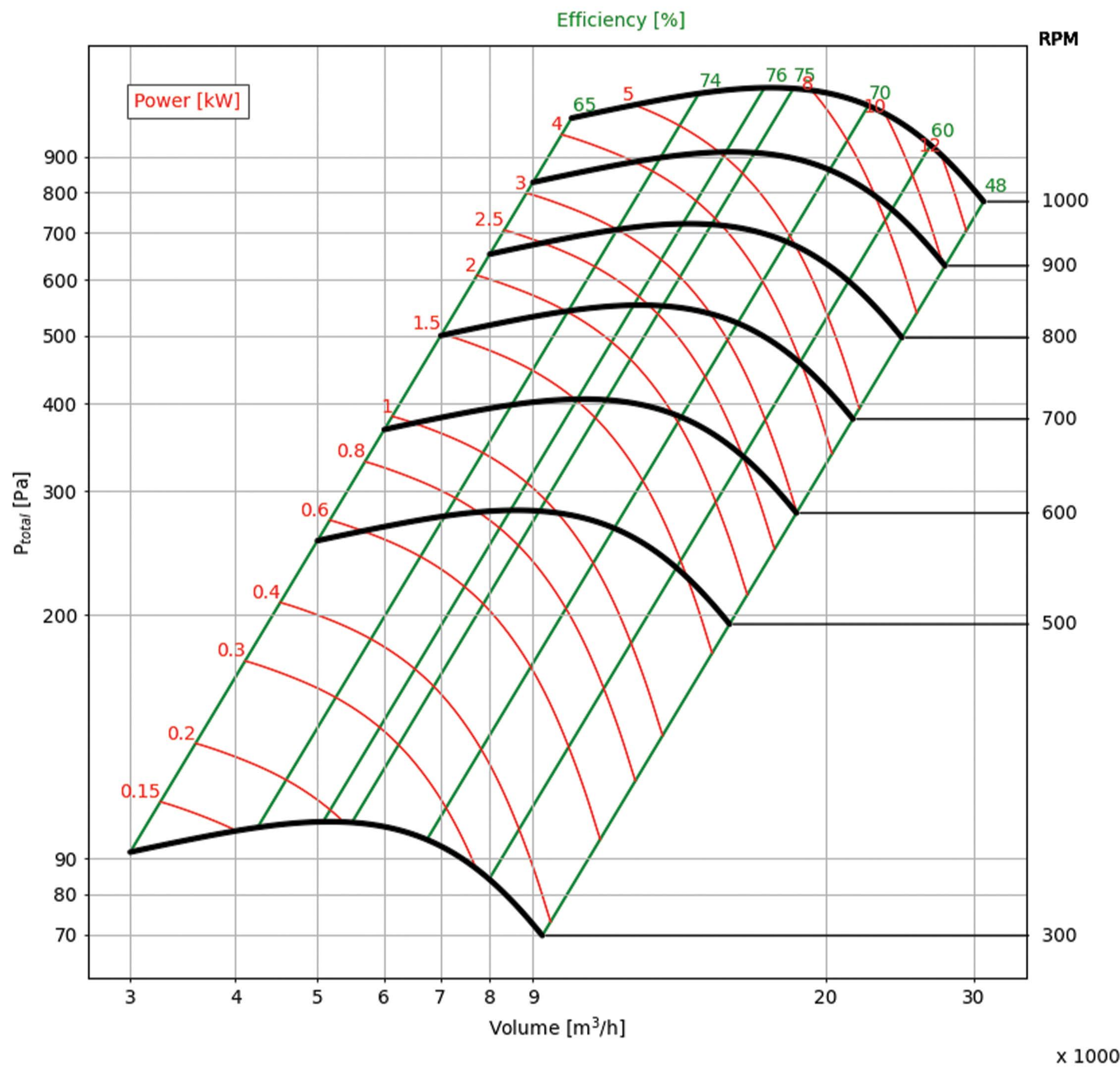


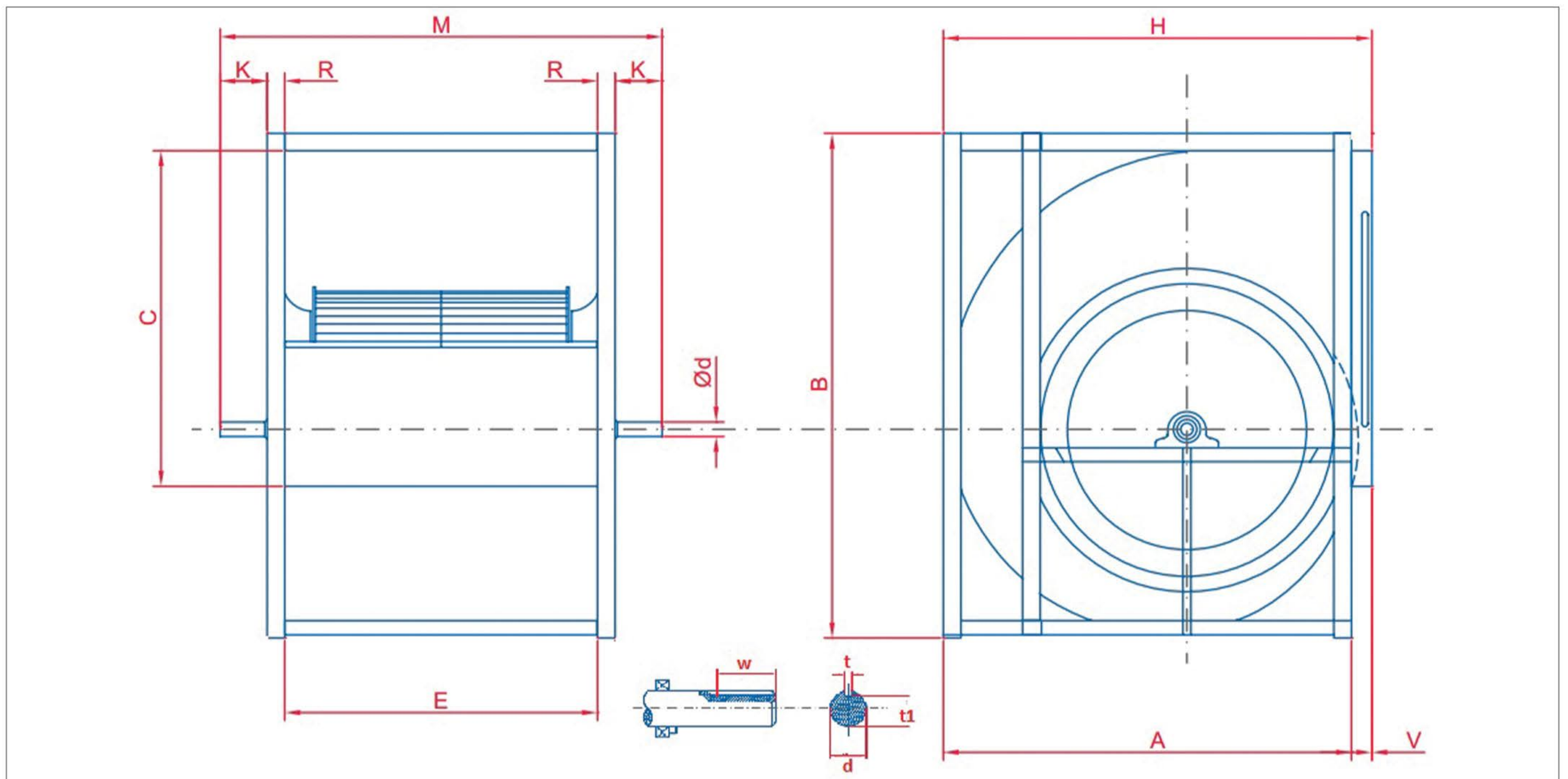
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-20*15	785	875	585	495	815	770	40	30	97.5	10	35	65	40

TDF - 20*15	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	1000 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	542 [mm]

Double-inlet Forward Blower Fan

TDF 20*15



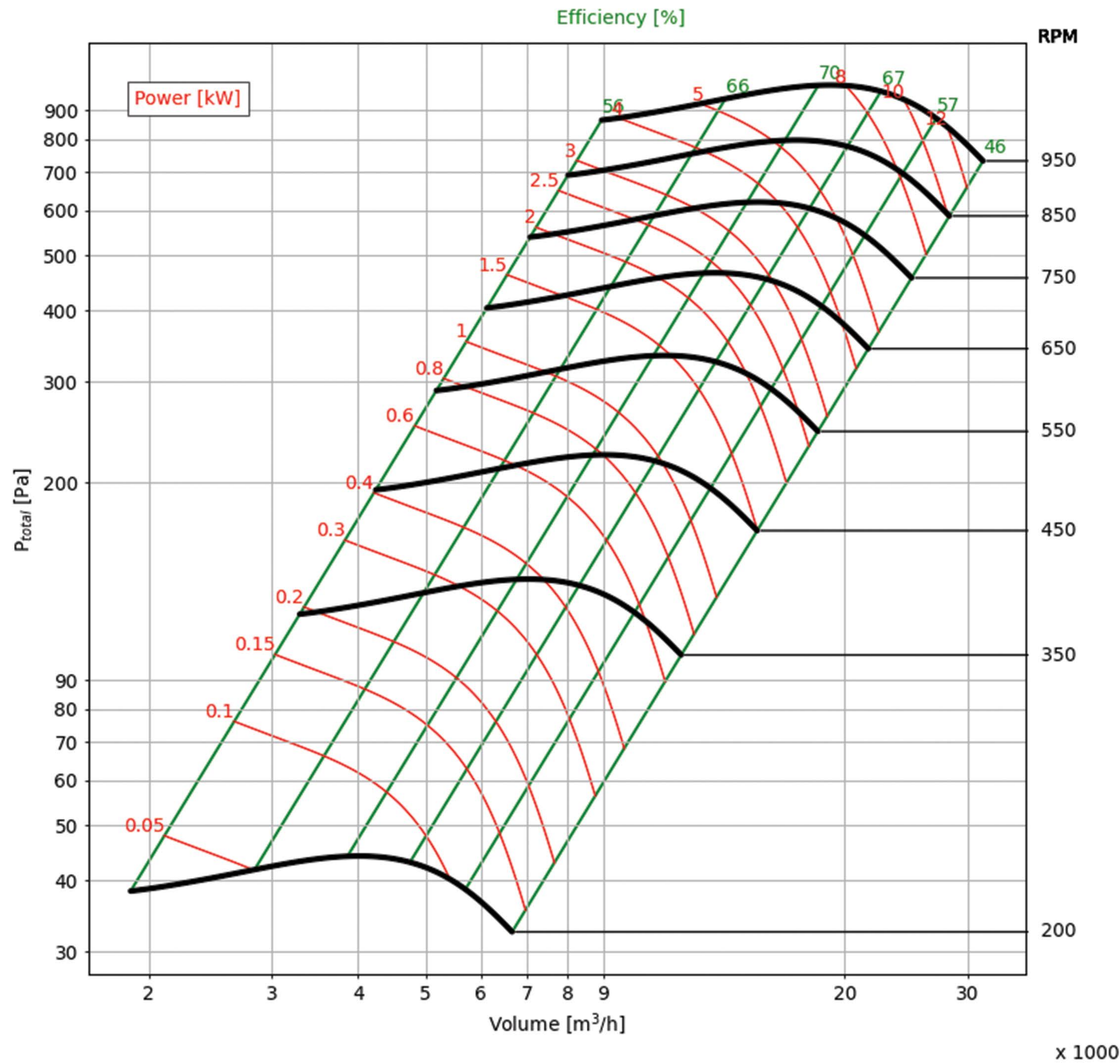


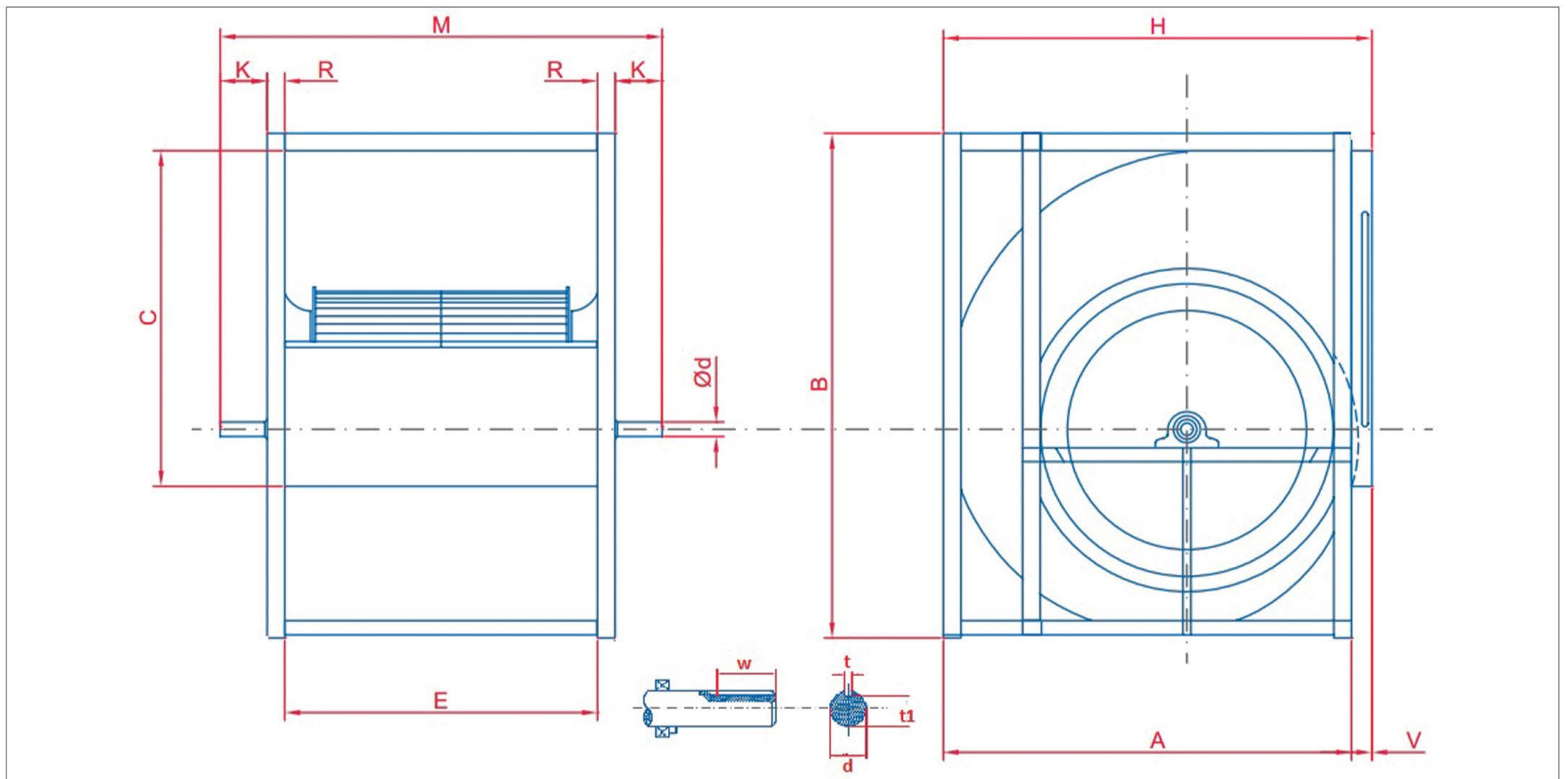
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-20*20	785	875	585	630	815	930	40	30	110	10	35	65	40

TDF - 20*20	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	950 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	542 [mm]

Double-inlet Forward Blower Fan

TDF 20*20



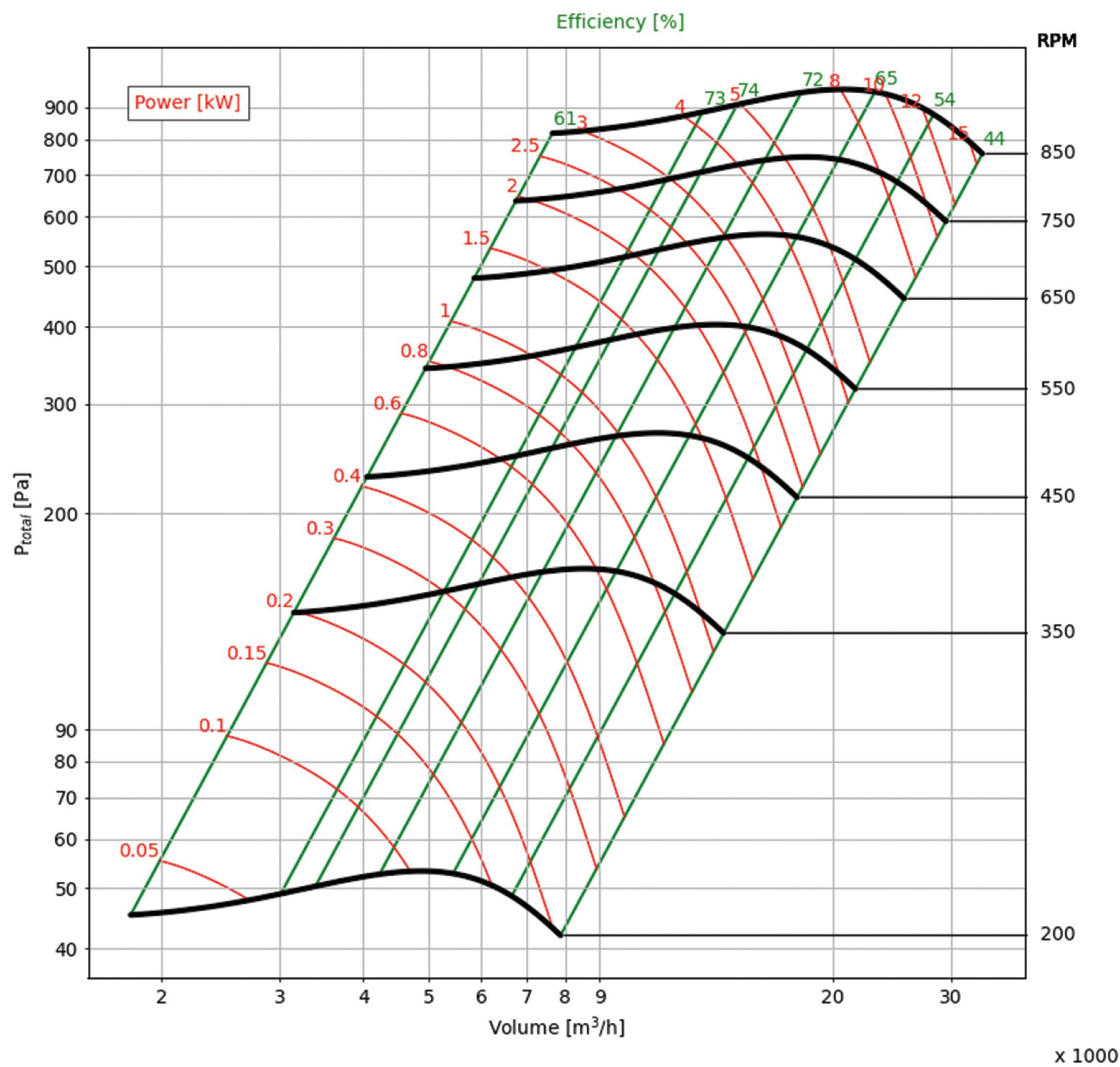


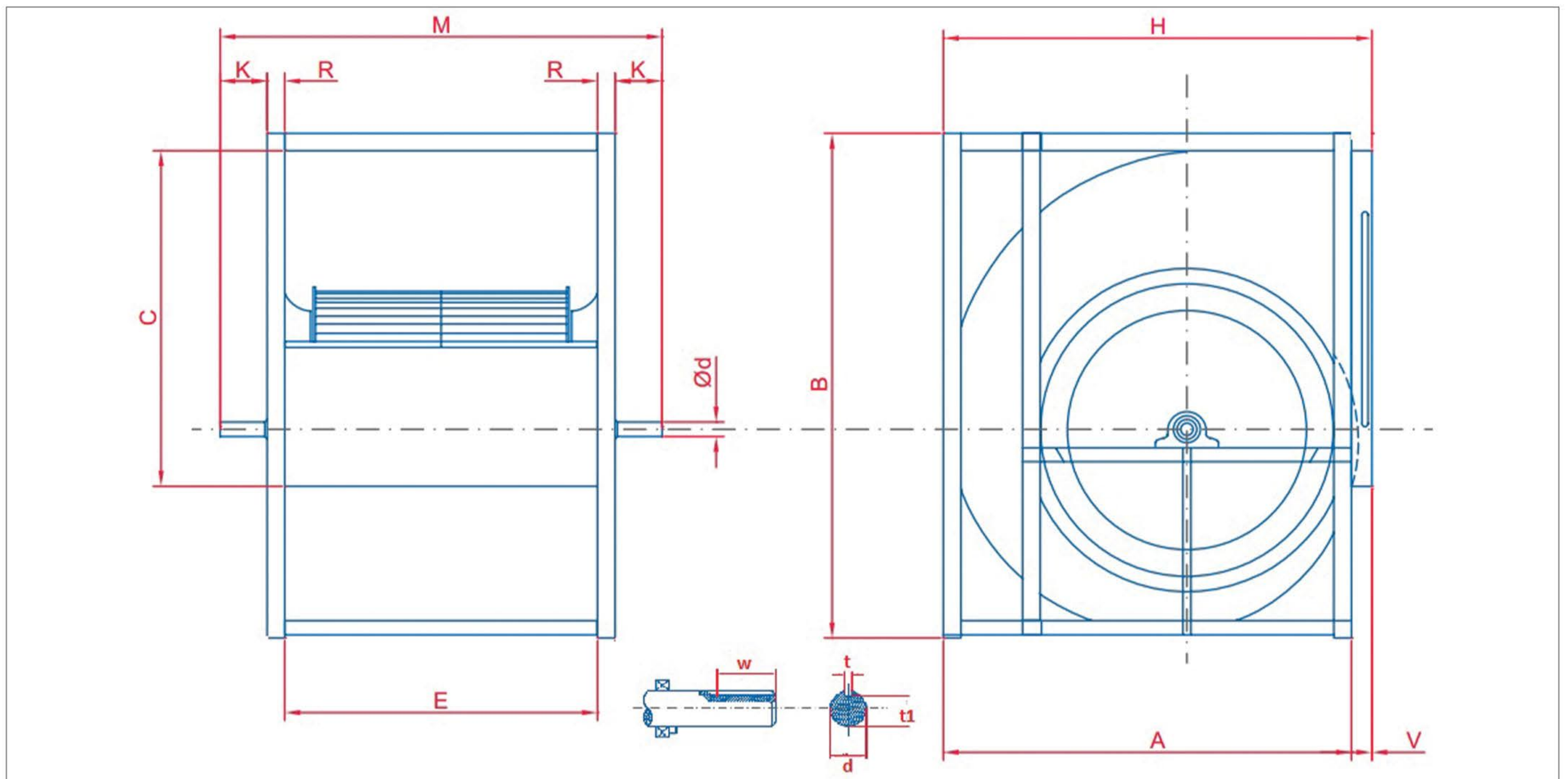
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-22*15	880	1000	680	535	910	795	40	30	90	12	35	65	40

TDF - 22*15	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	850 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	595 [mm]

Double-inlet Forward Blower Fan

TDF 22*15



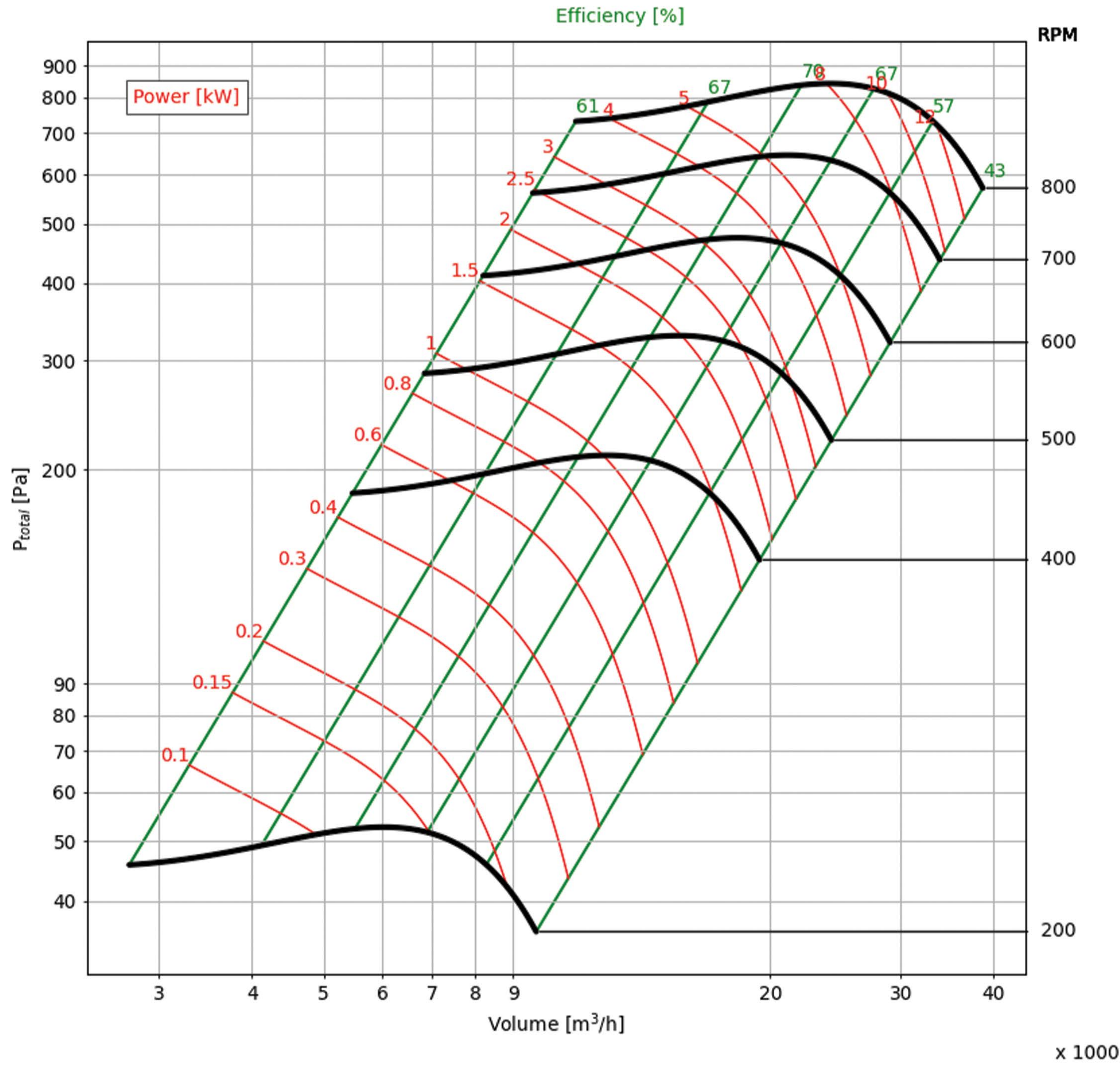


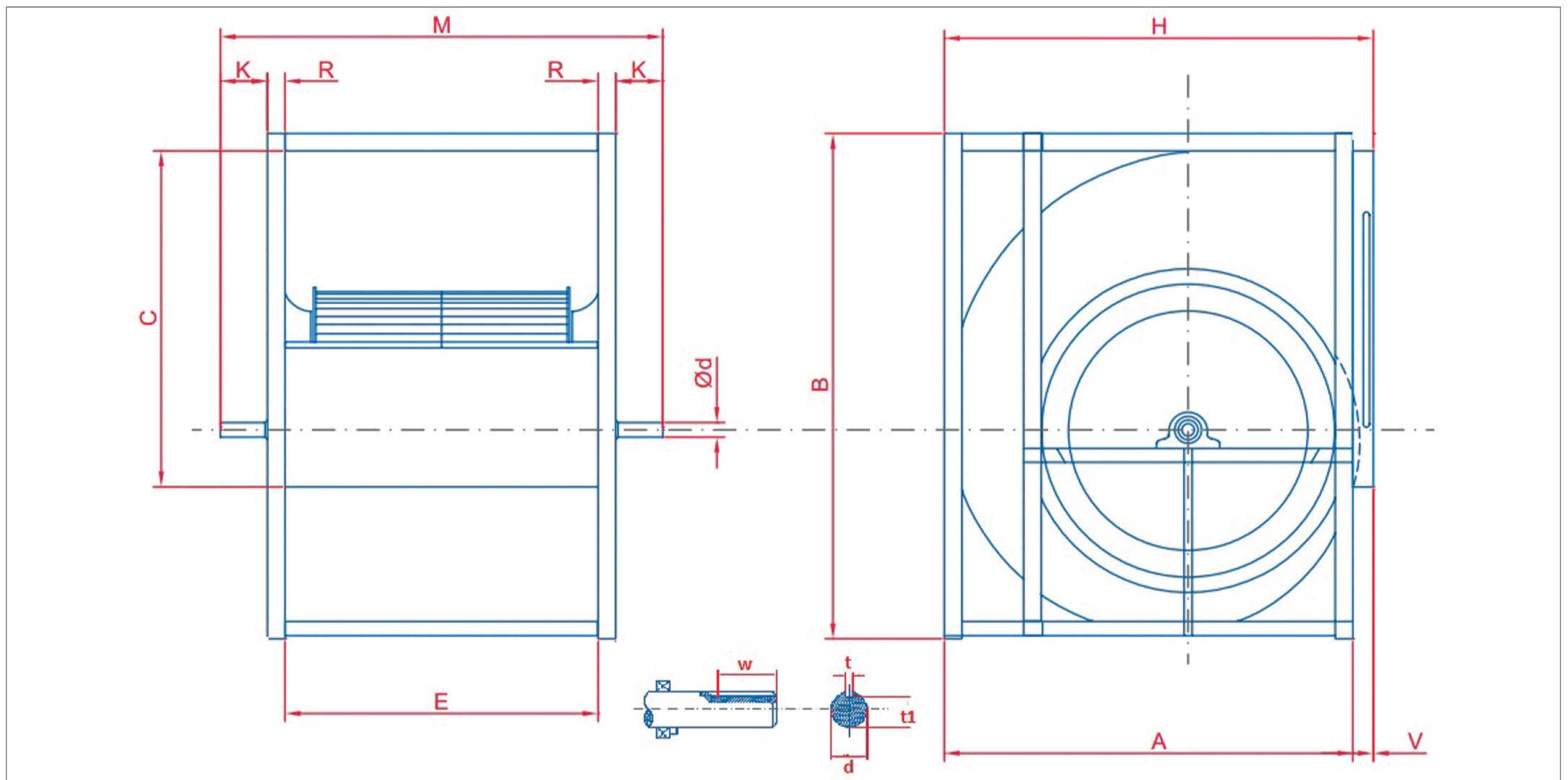
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-22*22	880	1000	680	685	910	965	40	30	100	12	35	65	40

TDF - 22*22	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	800 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	595 [mm]

Double-inlet Forward Blower Fan

TDF 22*22



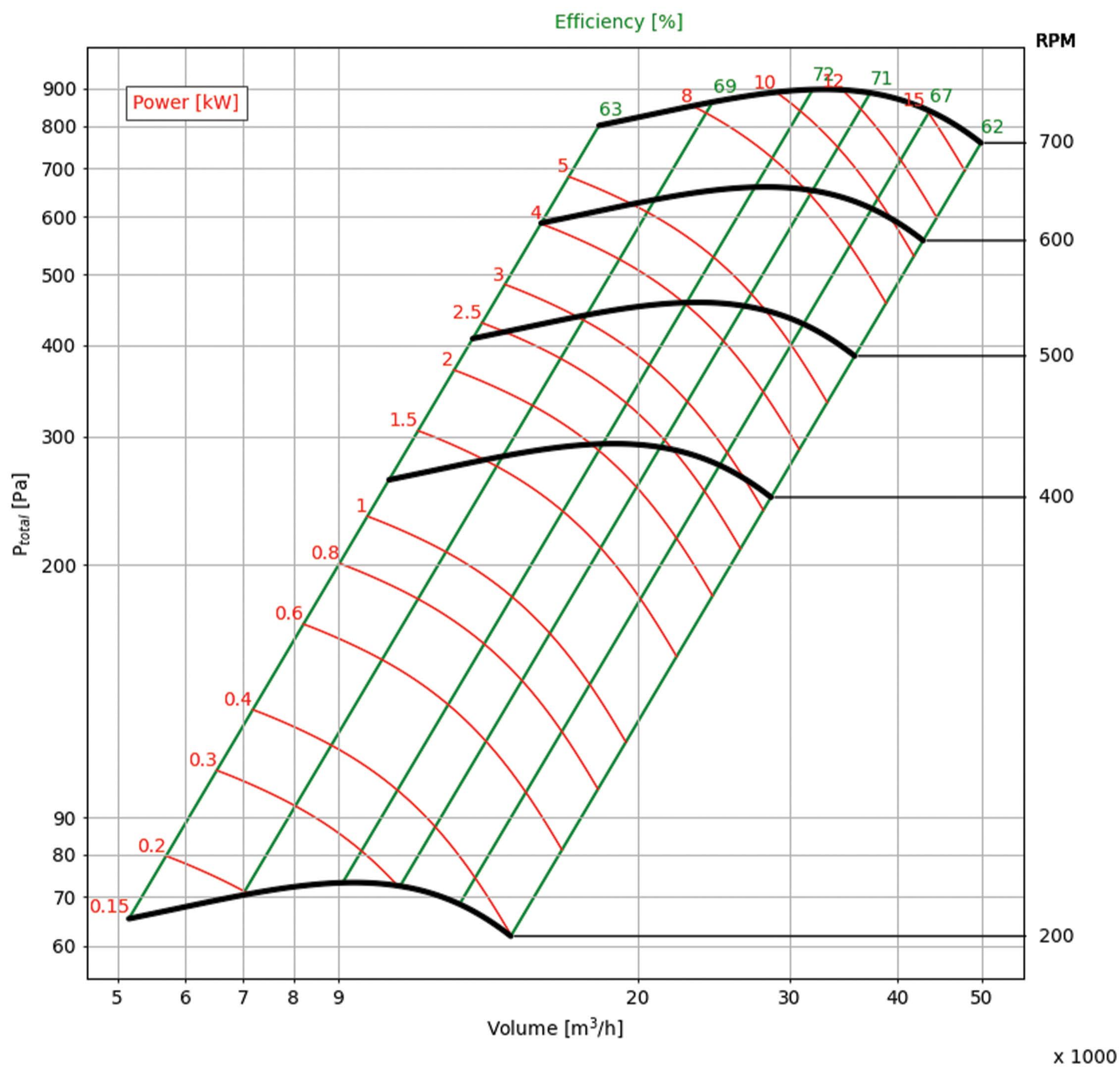


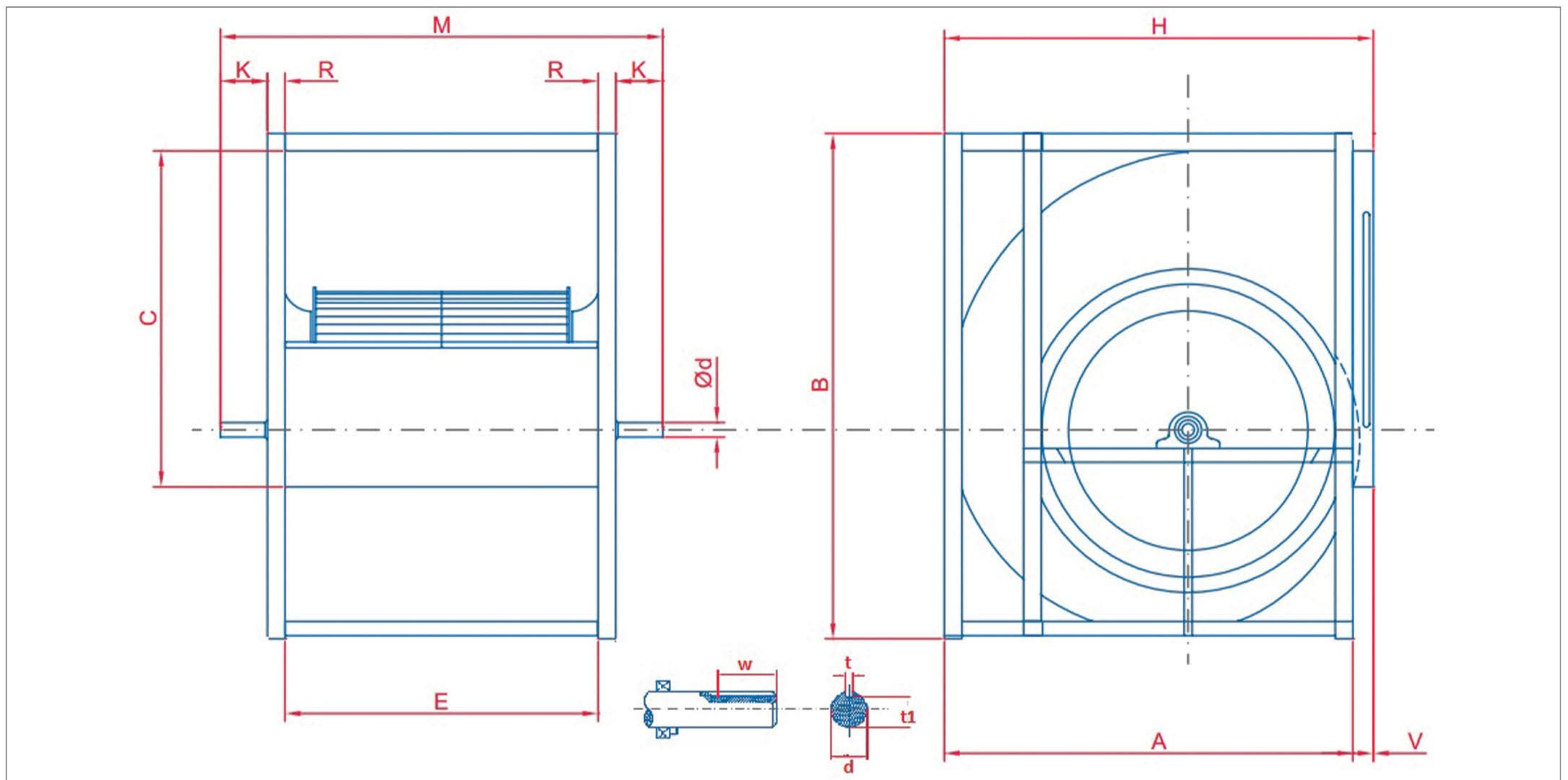
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-25*20	960	1140	795	665	990	950	40	30	92.5	12	35	65	40

TDF - 25*20	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	700 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	670 [mm]

Double-inlet Forward Blower Fan

TDF 25*20



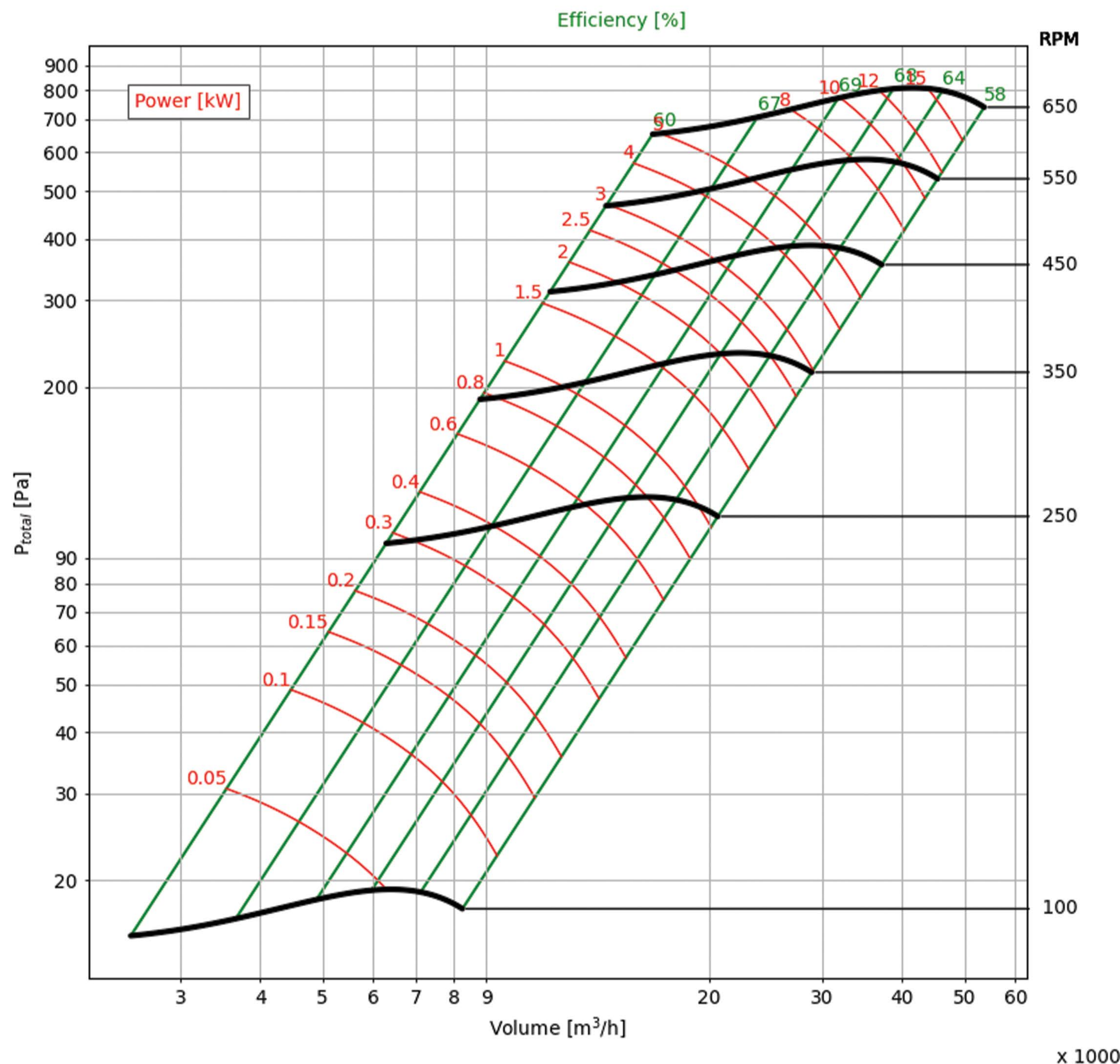


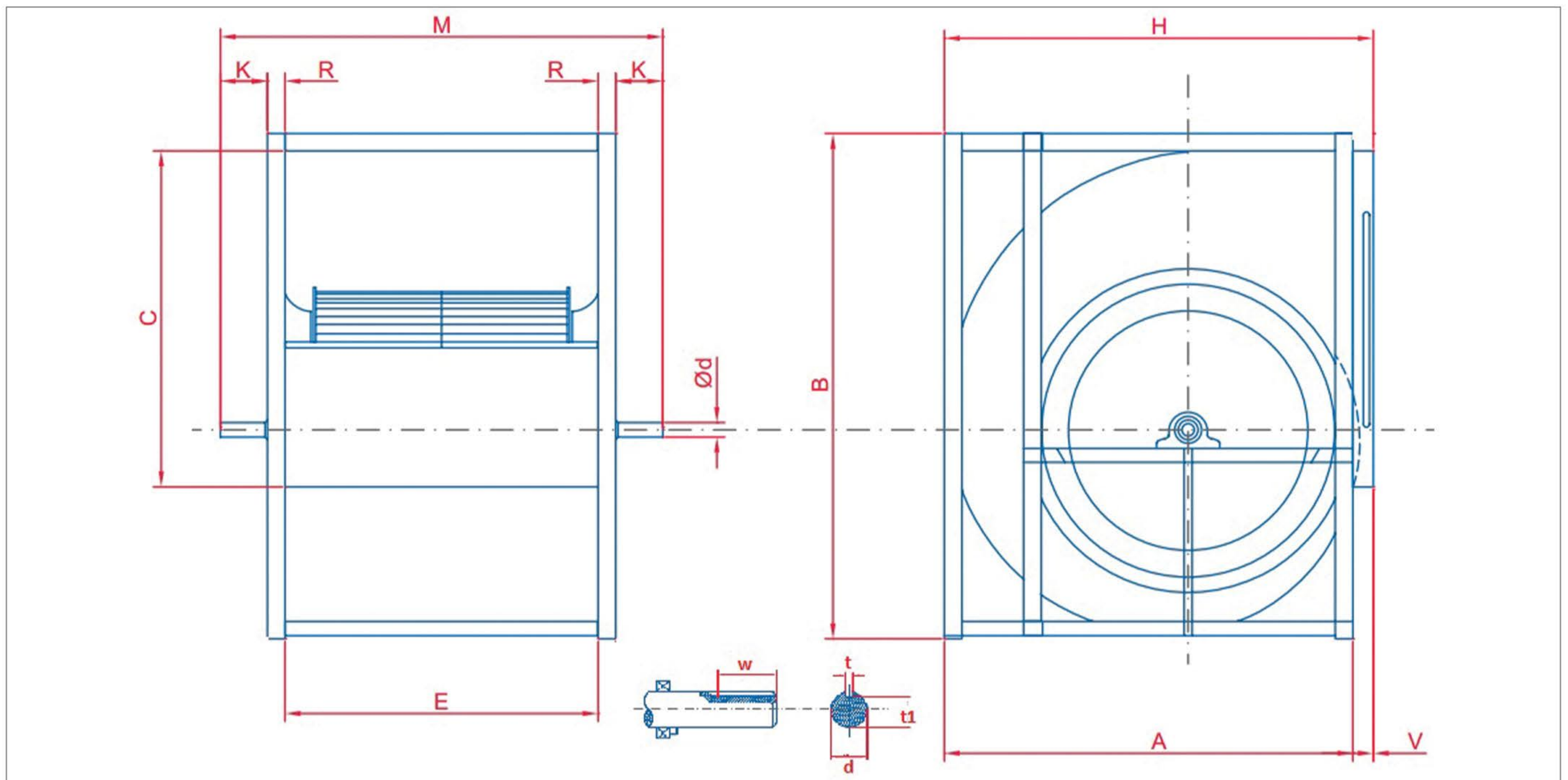
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-25*25	960	1140	795	793	990	1070	40	30	100	12	35	65	40

TDF - 25*25	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	650 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	670 [mm]

Double-inlet Forward Blower Fan

TDF 25*25



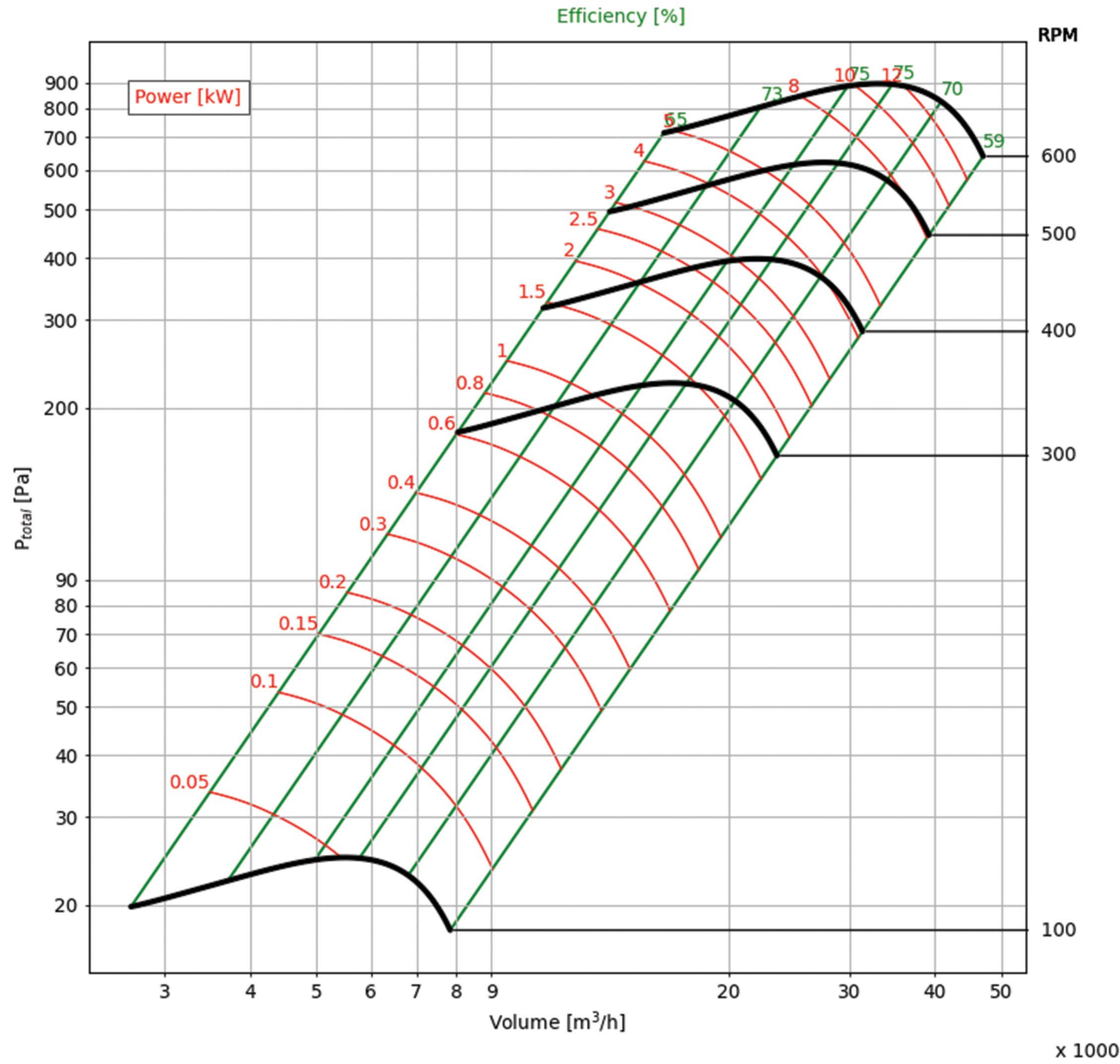


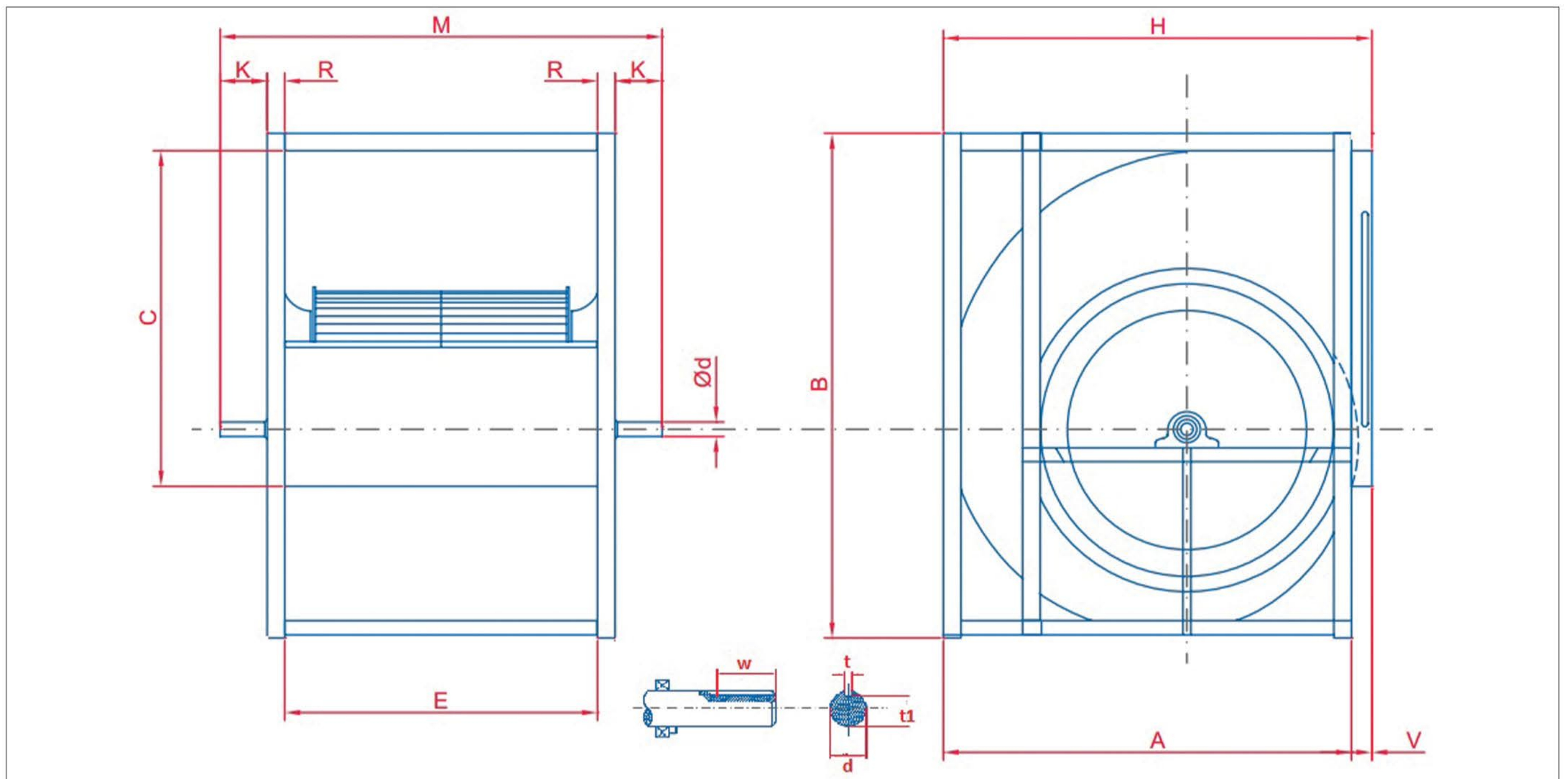
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-28*20	1095	1335	870	675	1125	1000	50	30	112.5	12	40	90	45

TDF - 28*20	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	600 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	740 [mm]

Double-inlet Forward Blower Fan

TDF 28*20



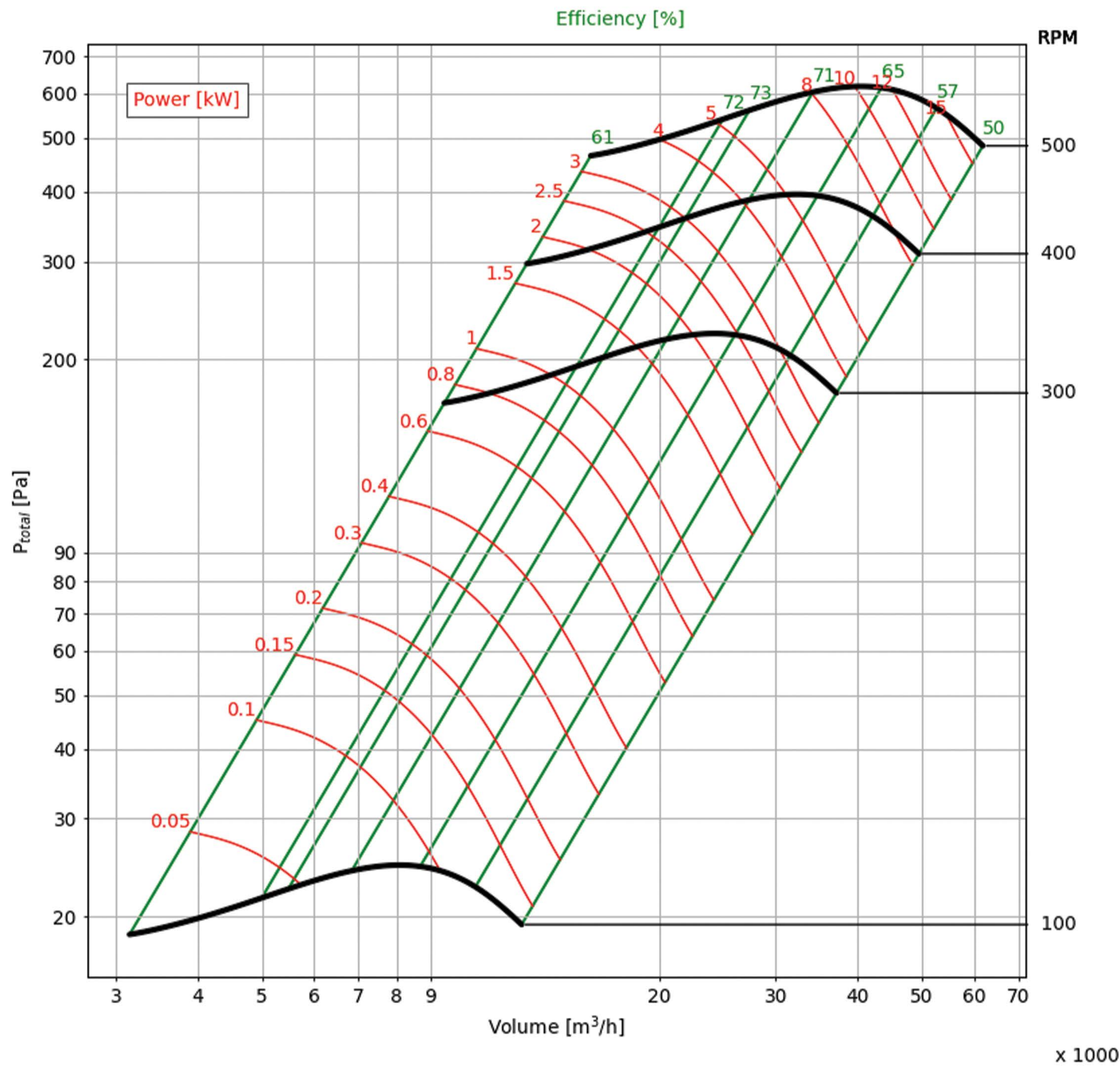


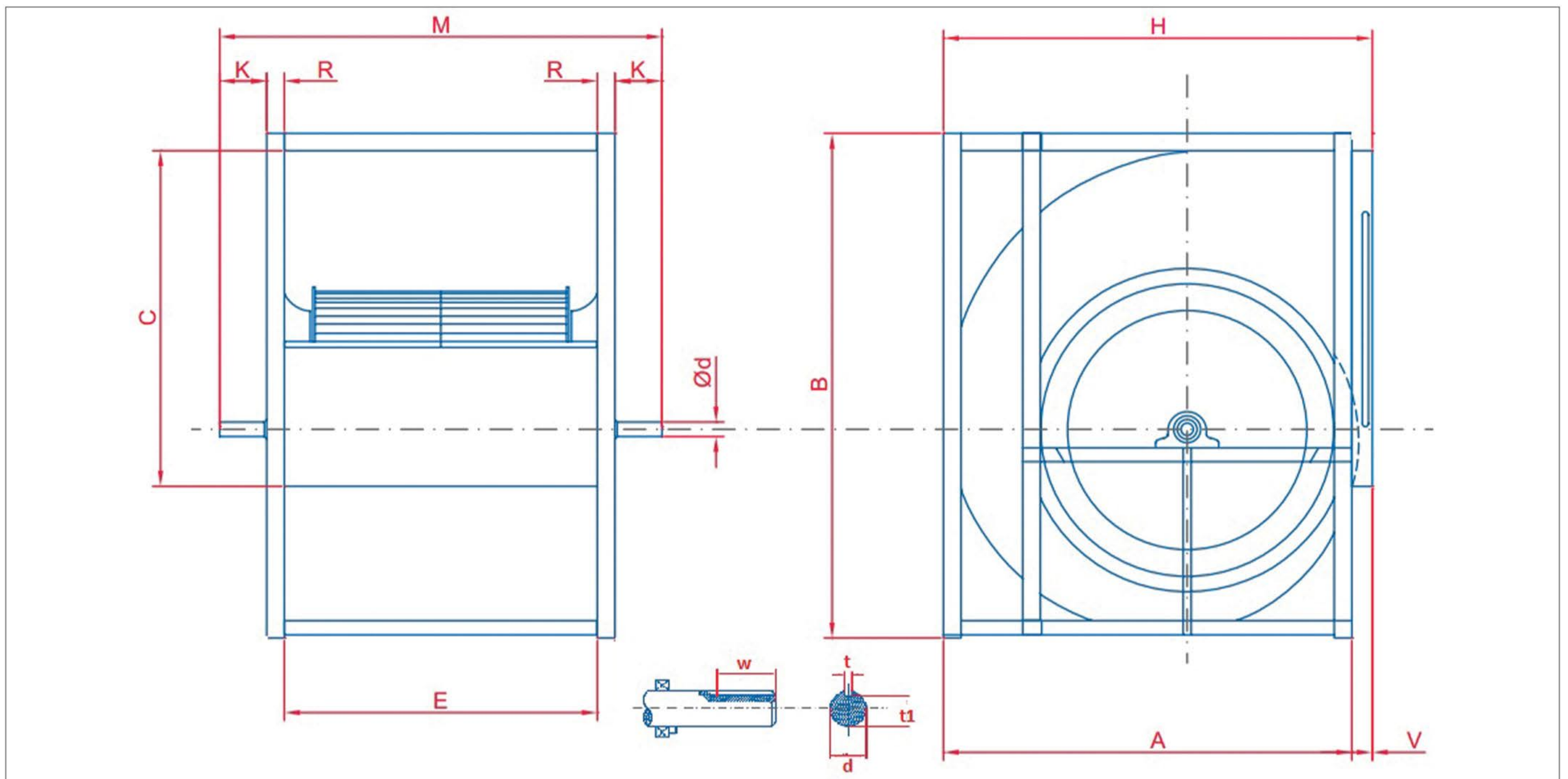
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-28*28	1095	1335	870	850	1125	1200	50	30	125	12	40	90	45

TDF - 28*28	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	500 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	740 [mm]

Double-inlet Forward Blower Fan

TDF 28*28



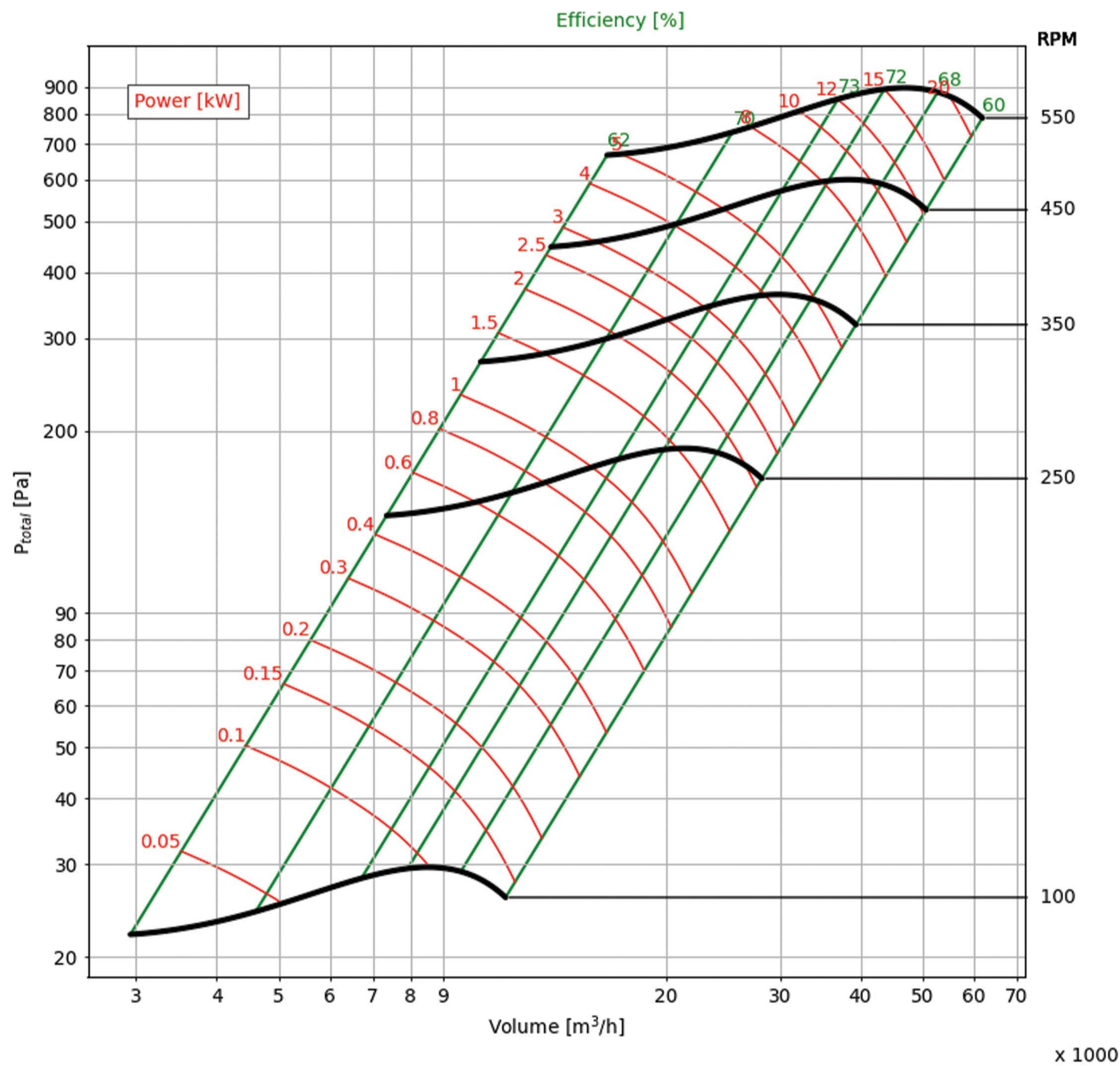


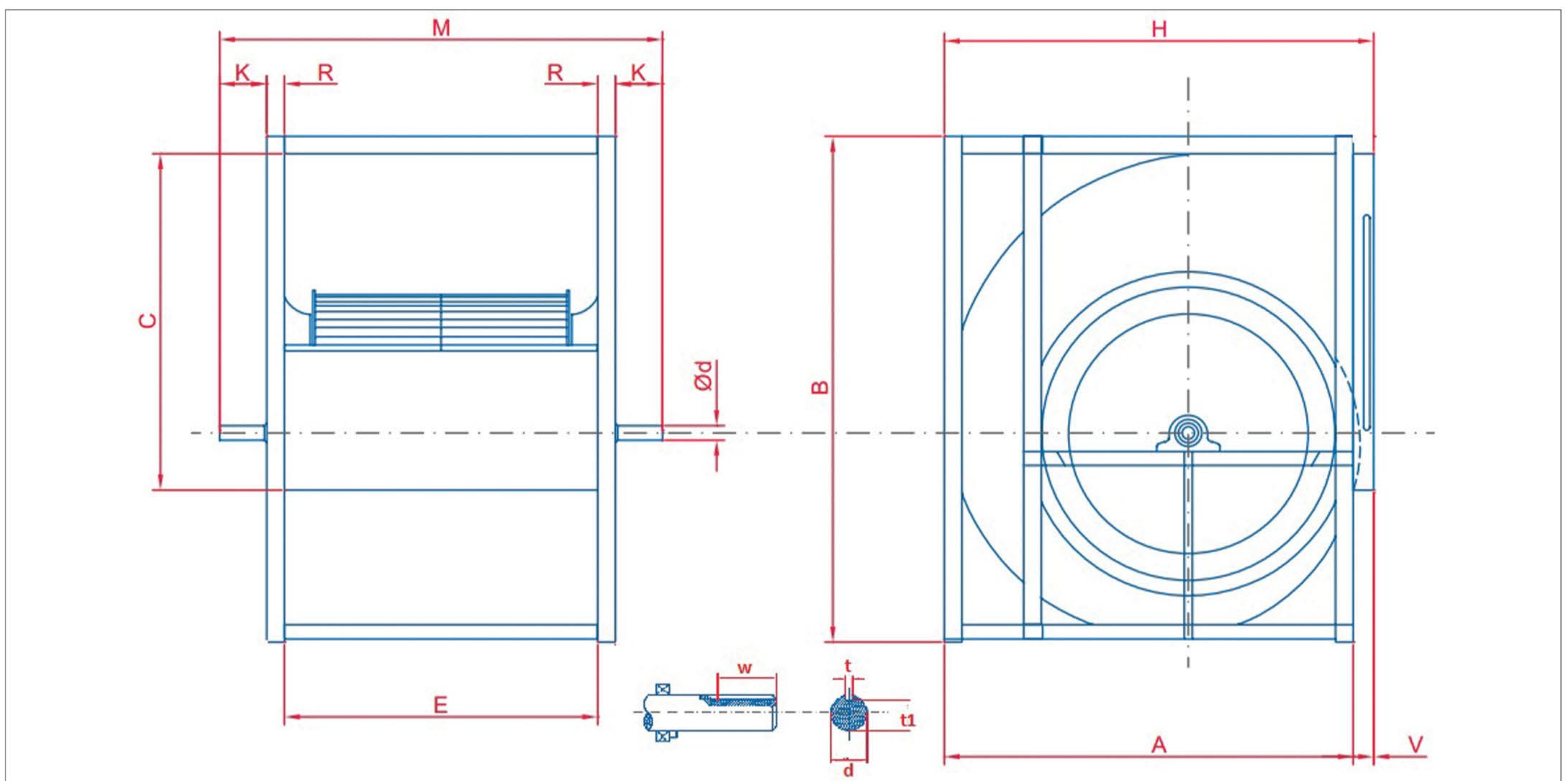
Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-30*20	1205	1375	930	675	1235	1000	50	30	112.5	12	40	90	45

TDF - 30*20	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	550 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	788 [mm]

Airfoil Plug Fan

TDF 30*20





Name	A	B	C	E	H	M	R	V	K	t	t ₁	W	d
TDF-30*28	1205	1375	930	865	1235	1200	50	30	117.5	12	40	90	45

TDF - 30*28	
Housing Material	Galvanized Steel
Impeller Material	Galvanized Steel
Balance Standard	ISO 21940 GRADE 6.3
Maximum Fan Speed	450 [RPM]
Allowable Operational Temperature	From -15 to +80 °C
Standard Air Density	1.2 kg/m ³
Dimensional Tolerance Standard	ISO 24166
Impeller Diameter	788 [mm]

Airfoil Plug Fan

TDF 30*28

