

Type: DS = Double Inlet

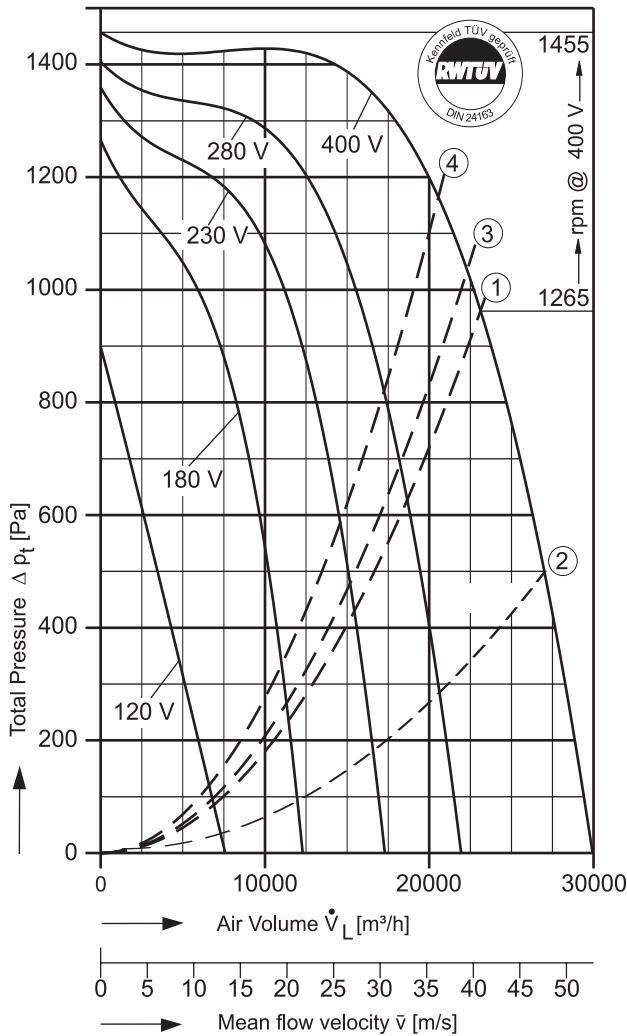
Performance / Dimensions



Type: DS 0-101/TD 10 [400V 3N~ 50 Hz] *1

Protection type: IP 65

For sound data please see extra pages.



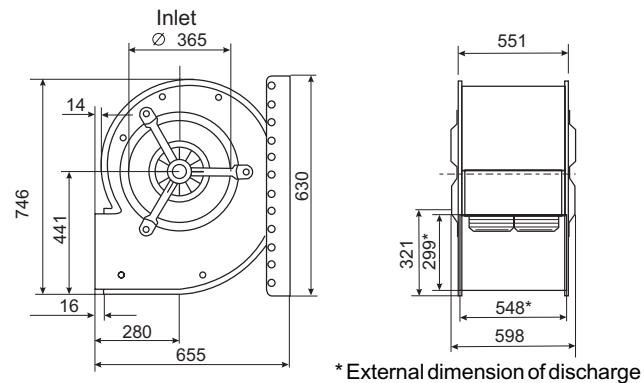
$P_{max} = 19,6 \text{ kW}$ $I_A / I_N = 2,7$ $I_{max} = 37,40 \text{ A}$

- ① System curve for dynamical pressure part related to fan discharge surface of 0,1032 m².
- ②b System curve incl. pressure regain by means of DIFFUSER ANGLE FRAME (FISCHBACH accessory) with connected duct. Duct length: 3,0 m.
- ③ For operating points above that curve a maximum air temperature of 50°C is allowed.
- ④ For operating points above that curve a maximum air temperature of 60°C is allowed.

Voltage [V]	Air Volume \dot{V}_L [m³/h] @ $\rho = 1,2 \text{ kg/m}^3$ and Current [A] (bold figures, 2nd. line)							
	Free air	Total Pressure Δp_t [Pa]						
		200	400	600	800	1000	1200	1400
120	6840 22,52	5950 21,98	4300 20,41	2620 18,37				
180	10890 30,97		10730 30,45	9680 27,32	8270 23,73	5920 19,07		
230	15360 36,34			14500 33,74	13140 29,95	11190 25,18	6790 17,10	
280	18610 37,88				17410 34,55	15540 29,93	12580 23,92	
400	23020 37,40					22710 36,74	19980 32,0	14280 24,62

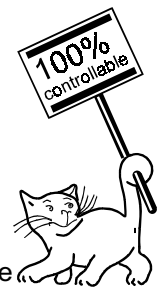
Save power and even more silent with FISCHBACH SPEED CONTROLLERS FISCHBACH AUTOMATIC CONTROLLERS		
Voltage Control	Type*	Order-No.*
Stepless, 0 - 100% and 100% - 0	FDR 400/3	6237
Stepwise, 5 Steps	FDR 40/3	6179
FISCHBACH AUTOMATIC CONTROL**	FRA 400/3	6287
Frequency Inverter FFU	on request	

* For further details see resp. catalogue pages
** For details of sensors etc., on request



***1: Important!**

The DS 0-101/TD10 has a special FISCHBACH-DISC ROTOR MOTOR with a tandem drive which is integrated in the fan. Two stators on one shaft drive the rotor which is fixed between the two stators. Both stators can only be operated at the same time and have to be supplied with the same voltage.



The Silent One

In the above diagram the **TOTAL** pressure (the sum of the dynamic and static pressures) is shown in relation to the air volume, dynamic pressure is shown below system line No.1. Static pressure is shown above that line.

To regain static pressure and reduce dynamic pressure connect a suitable transition piece on the fan outlet.

We do not guarantee for fans not being operated in consideration of those restrictions.