

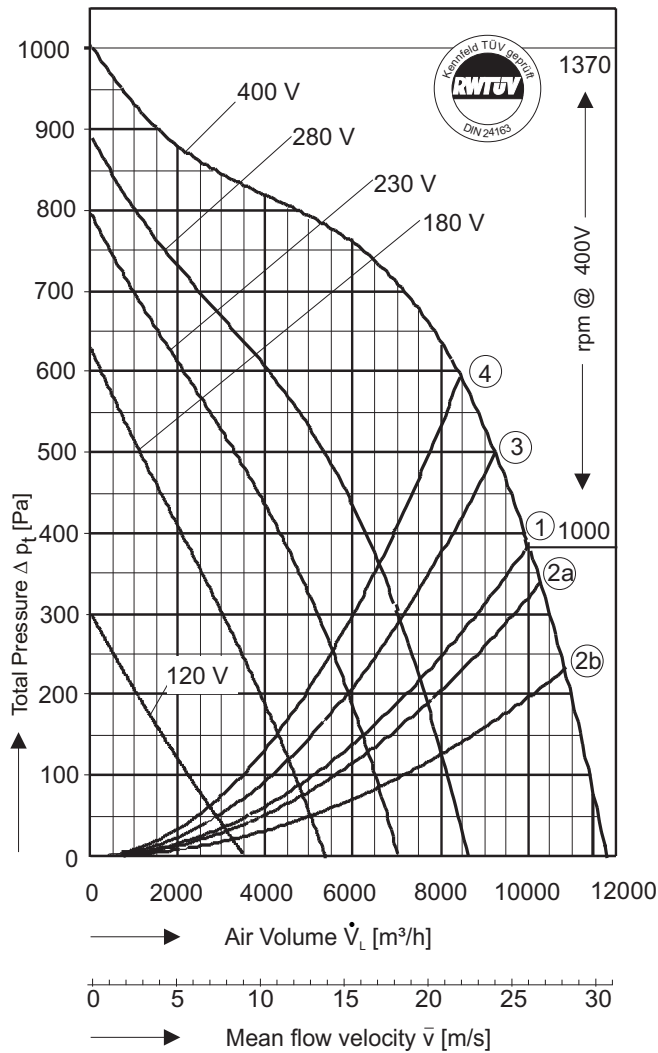
Type: DS = Double Inlet

Performance / Dimensions



Type: DS 8-980/D 2.5 [400V 3N~ 50 Hz]
Protection type: IP 65

For sound data please see extra pages.



$P_{max} = 5,11 \text{ kW}$ $I_A / I_N = 2,2$ $I_{max} = 10,95A$

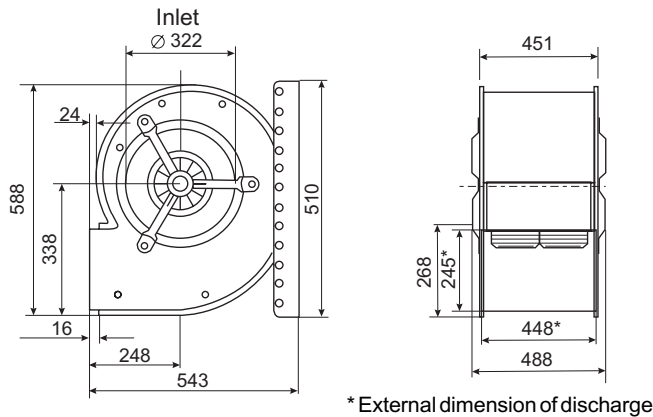
- ① System curve for dynamical pressure part related to fan discharge surface of 0,1069 m². Max. permissible air temperature: 30°C.
- ②a System curve incl. pressure regain by means of TRANSITION PIECE (square to round, FISCHBACH accessory) with connected duct. Duct length: 1,0 m.
- ②b System curve incl. pressure regain by means of DIFFUSER ANGLE FRAME (FISCHBACH accessory) with connected duct. Duct length: 2,0 m.
- ③ For operating points above that curve a maximum air temperature of 45°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	300	400	500	600	700	800
120	3040 4,70	1075 4,07						
180	4765 6,67	3890 6,10	3020 5,58	2080 5,07	1140 4,62			
230	6220 7,99	5900 7,73	5185 7,16	4335 6,53	3305 5,84	2140 5,15		
280	7530 8,99		7025 8,54	6290 7,91	5345 7,16	4081 6,27	2485 5,34	
400	10010 10,95			9925 10,88	9250 10,38	8395 9,77	7165 8,98	4740 7,69

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 120/3	6233
Stepwise, 5 Steps	FDR 11.3/3	6185
FISCHBACH AUTOMATIC CONTROL**	FRA 120/3	6283
Frequency Inverter FFU	on request	

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



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.