

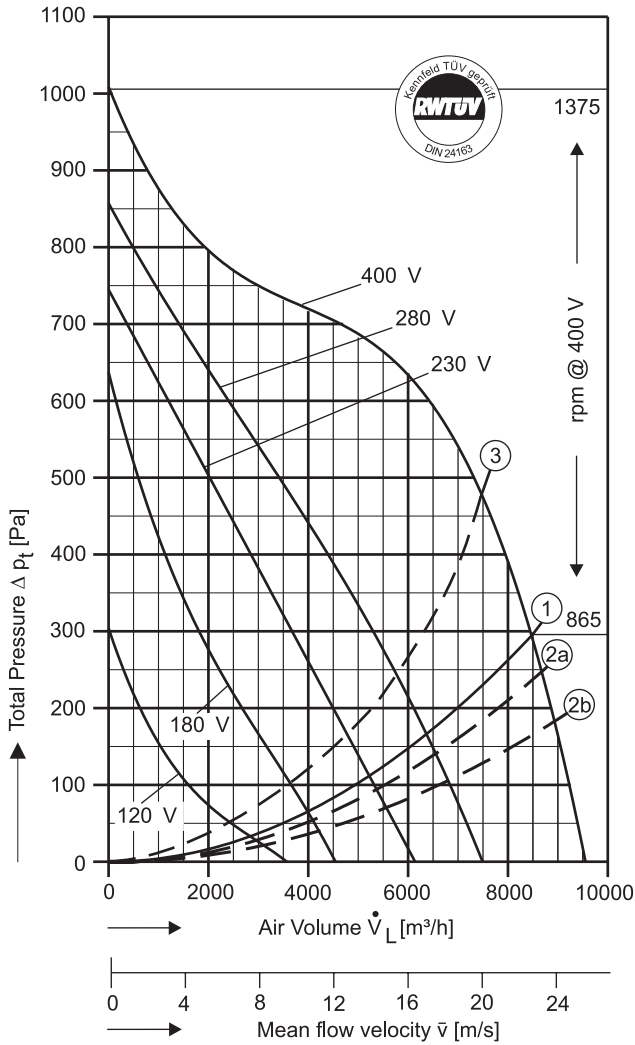
# Type: D = Double Inlet

# Performance / Dimensions



**Type: D 970/D 2** [400V 3N~ 50 Hz]  
Protection type: IP 65

For sound data please see extra pages.



$P_{max} = 3,62 \text{ kW}$   $I_A / I_N = 1,6$   $I_{max} = 6,84 \text{ A}$

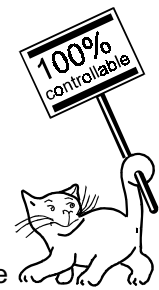
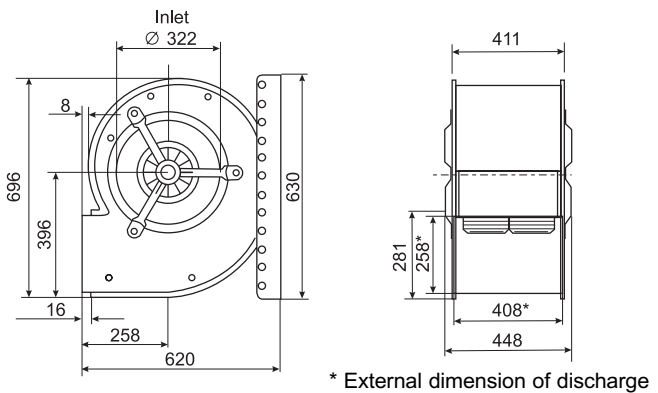
- ① System curve for dynamical pressure part related to fan discharge surface of 0,1032 m<sup>2</sup>. For operating points above that curve a max. air temperature of 50° C is allowed. (Curve for free blowing fan).
- ②a System curve incl. pressure regain by means of TRANSITION PIECE (square to round, 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: 3,0 m.
- ③ 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 $\Delta p_t$ [Pa]						
		200	300	400	500	600	700	800
120	2870 2,05	630 2,71						
180	3905 4,32	2670 3,91	1810 3,55	1130 3,25	590 3,02	150 2,85		
230	5160 5,15	4500 4,92	3680 4,52	2850 4,03	2030 3,55	1200 3,14	370 2,87	
280	6265 5,82	6110 5,74	5300 5,33	4400 4,86	3420 4,30	2410 3,68	1410 3,03	490 2,37
400	8480 6,84		8450 6,82	7950 6,55	7320 6,20	6430 5,70	4650 4,71	1930 3,43

**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 80/3	6232
Stepwise, 5 Steps	FDR 8.0/3	6183
FISCHBACH AUTOMATIC CONTROL**	FRA 80/3	6282
Frequency Inverter FFU	on request	

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



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.**