

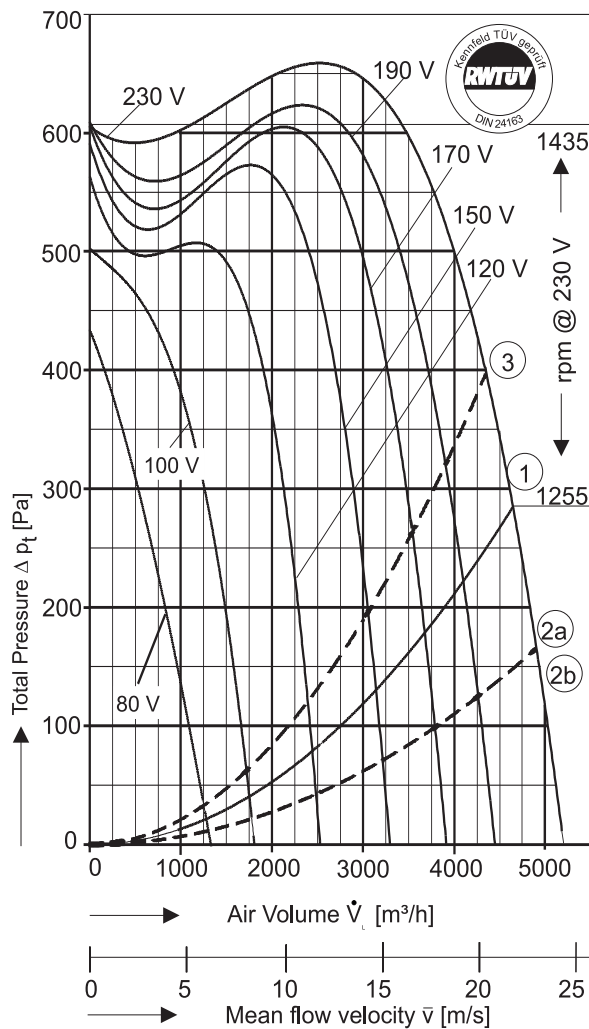
Type: CE = Single Inlet

Performance / Dimensions

**FISCHBACH
COMPACT
FAN**

Type: CE 890/E 80 [230V 1N~ 50 Hz]
MP Capacitor : 50 μ F - 400 VDB
Protection type: IP 65

Please state intake side !
For sound data please see extra pages.



$P_{max} = 2,16 \text{ kW}$ $I_A / I_N = 1,9$ $I_{max} = 9,60 \text{ A}$

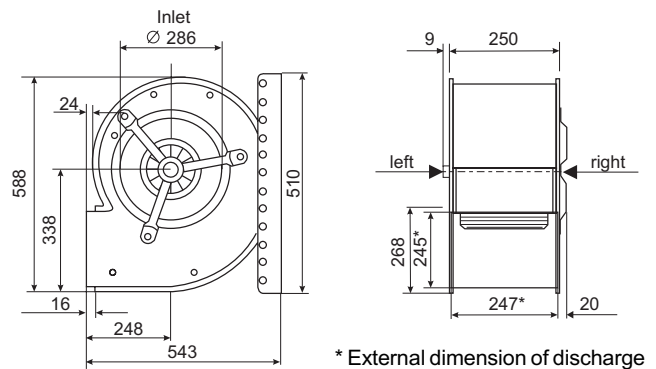
- ① System curve for dynamical pressure part related to fan discharge surface of 0,059 m². Max. permissible air temperature: 55°C.
- ②a System curve incl. pressure regain by means of TRANSITION PIECE (square to round) with connected duct. Duct length: 1,9 m.
- ②b System curve incl. pressure regain by means of DIFFUSER ANGLE FRAME with connected duct. Duct length: 2,1 m
- ③ For operating points above that curve a maximum air temperature of 60°C is allowed.

Voltage [V]	Air Volume \dot{V}_L [m ³ /h] at $\rho = 1,2 \text{ kg/m}^3$ and current [A] (bold figures, 2nd. line)							
	Free Air	Total Pressure Δp_t [Pa]						
		200	300	350	400	450	500	600
80	1280 5,28	825 4,72	530 4,33					
100	1750 6,58	1495 5,92	1265 5,38	1105 5,04	900 4,63			
125	2430 7,87	2300 7,45	2125 6,92	2010 6,60	1875 6,23	1685 5,75	945 4,31	
150	3100 8,74	3055 8,60	2905 8,14	2815 7,87	2705 7,55	2570 7,18	2495 6,99	
170	3660 9,30	3645 9,26	3480 8,78	3385 8,52	3275 8,23	3145 7,89	3025 7,59	
190	4100 9,57		3950 9,19	3840 8,92	3715 8,62	3570 8,28	3425 7,96	2880 6,83
230	4650 9,60		4610 9,40	4480 9,20	4335 8,98	4160 8,70	4020 8,42	3490 7,53

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	6165
Stepwise, 7 Steps	FDR 1300	6204
FISCHBACH AUTOMATIC CONTROL**	FRA 120	6255

* 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.