



DTC-SW单进风空调风机

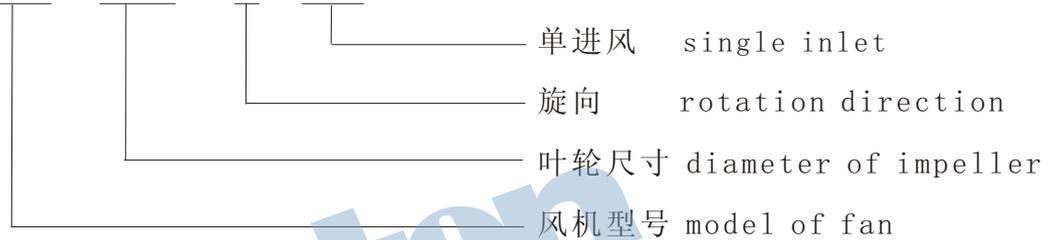
前倾叶轮
带式传动
单进风

DTC-SW Series
SWSI, Forward Blades
Belt Driven
CENTRIFUGAL FAN

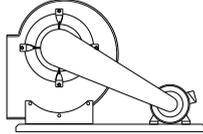
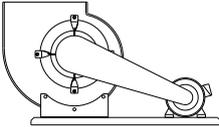
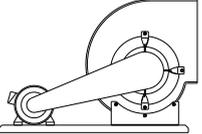
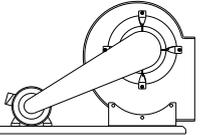
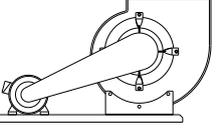
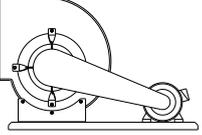
Deton

产品命名方式 Designation of Products

DTC - 10-5 - LG-SW



风机旋向 Direction of rotation

	0°	90°	180°
右旋 RD			
左旋 LG			

性能说明 Performance

电机功率 Motor power

性能曲线上的功率是指风机的轴功率。选配电机时需要考虑机械传动效率和安全系数。

The power on the performance curve are shaft power. Motor power is decided by mechanical efficiency and Safety factor.

$$N = (N_s \cdot K) / \eta$$

N_s (Shaft power of fan)

K (Safety factor)

η (Mechanical efficiency)

其中：

$K=1.25$ if $N_s < 0.75kW$

$K=1.20$ if $0.75kW < N_s < 10kW$

$K=1.15$ if $N_s > 10kW$

$\eta=0.95$ for V-belt driven

风机噪声 Fan Noise

本册中各型号风机的噪声参数为A计权声功率级,数据是按照AMCA300标准, B安装形式在进风口一侧测量所得. 声压级与声功率级的换算关系如下.

The noise level shown on each curve refer to the sound power A-weighted and the data on the inlet side has been measured in according with AMCA 300 standard, with B type installation.

声压级 Sound pressure level

A, 自由声场 Free field

$$Lp(A) = Lw(A) - (20LgD) - 11$$

B, 室内环境 Room condition

$$Lp(A) = Lw(A) - (20LgD) - 7$$

“D” ----测量位置到风机距离

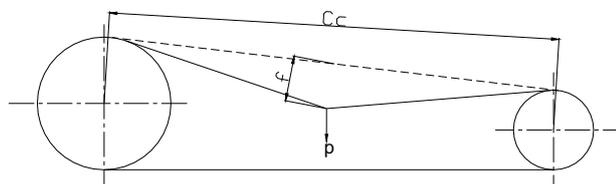
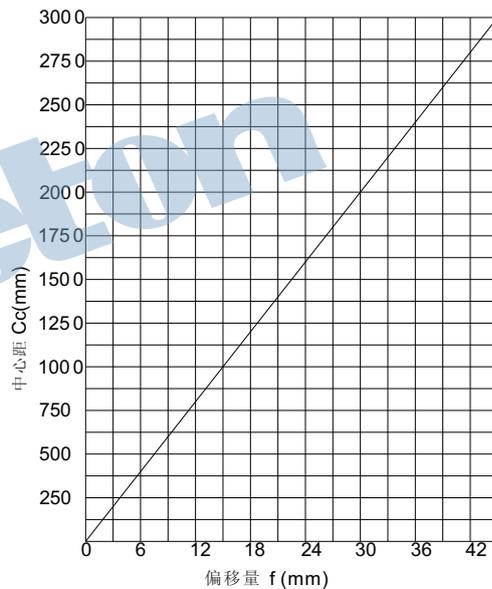
Distance of fan (m)

皮带张紧 V-belt Tension

皮带的松紧度对风机的使用寿命非常重要, 太紧会因为额外的负载而导致轴承寿命降低, 太松会导致打滑现象. 安装皮带时应控制皮带的张紧力. 以下是推荐数据.

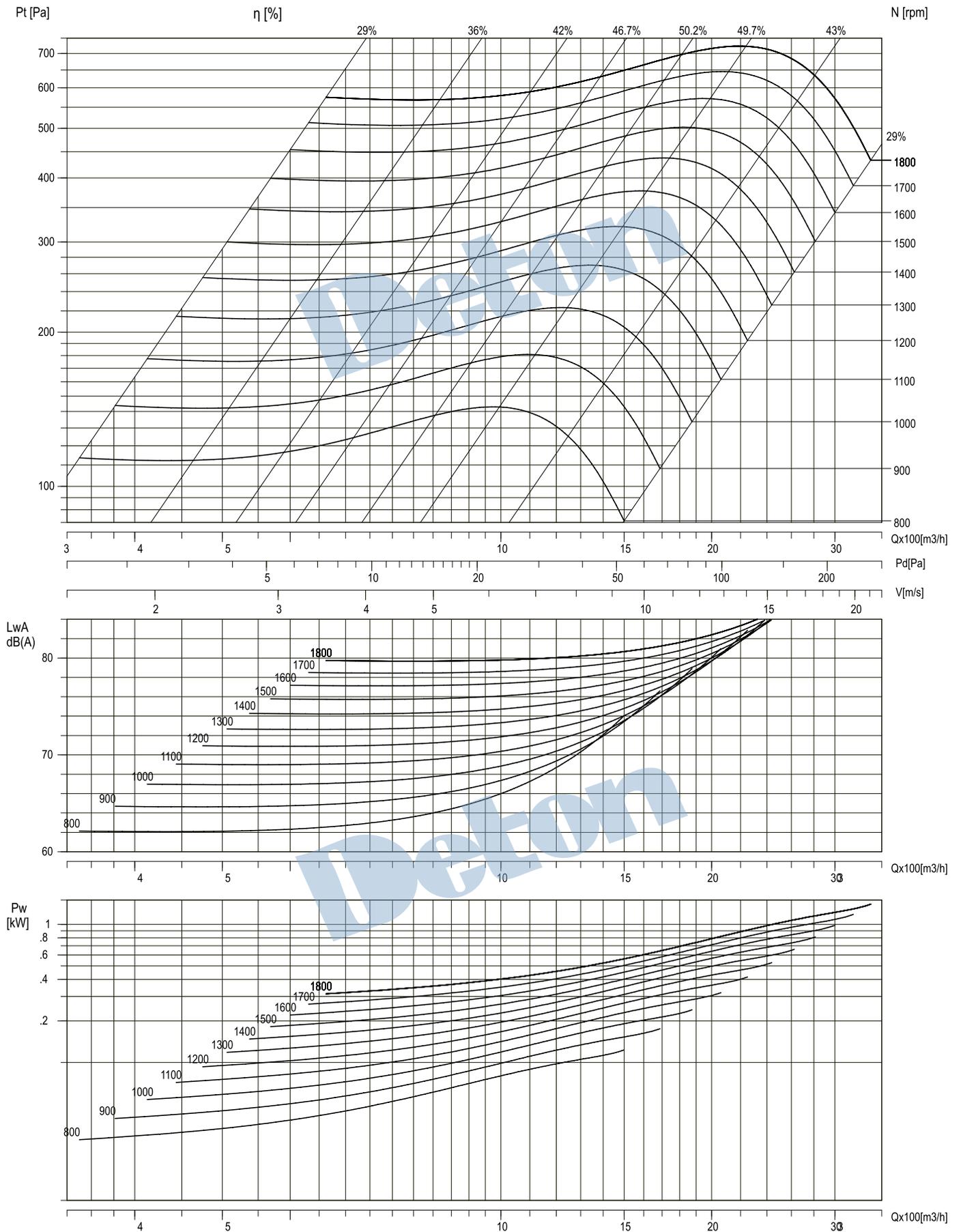
A proper level of belt tension is required in order to obtain a satisfactory belt life. If the belt tension level is too high, then excessive loads will be imposed on the belts and the bearings, and this will reduce the lives of both of these components. If the belt tension level is too low. Then the belt will slip. It is important to control the tension of the belt in belt installation.

	小皮带轮直径Small pulley diameter	张力P Force
	(mm)	(kgf)
SPZ	63-71	1.0-1.4
	75-85	1.3-1.9
	90-112	1.5-2.3
	118-150	1.9-2.7
	160-200	2.5-3.4
SPA	90-112	2.2-2.8
	118-150	2.5-3.4
	160-200	2.9-3.8
	224-250	3.5-4.4
SPB	280-315	4.0-5.0
	140-180	3.5-4.4
	190-236	4.0-5.2
	250-315	4.6-6.0
	335-400	5.5-7.6
SPC	450-500	6.7-9.0
	250-315	7.0-10.0
	335-400	8.0-11.5
	450-500	9.0-13.0



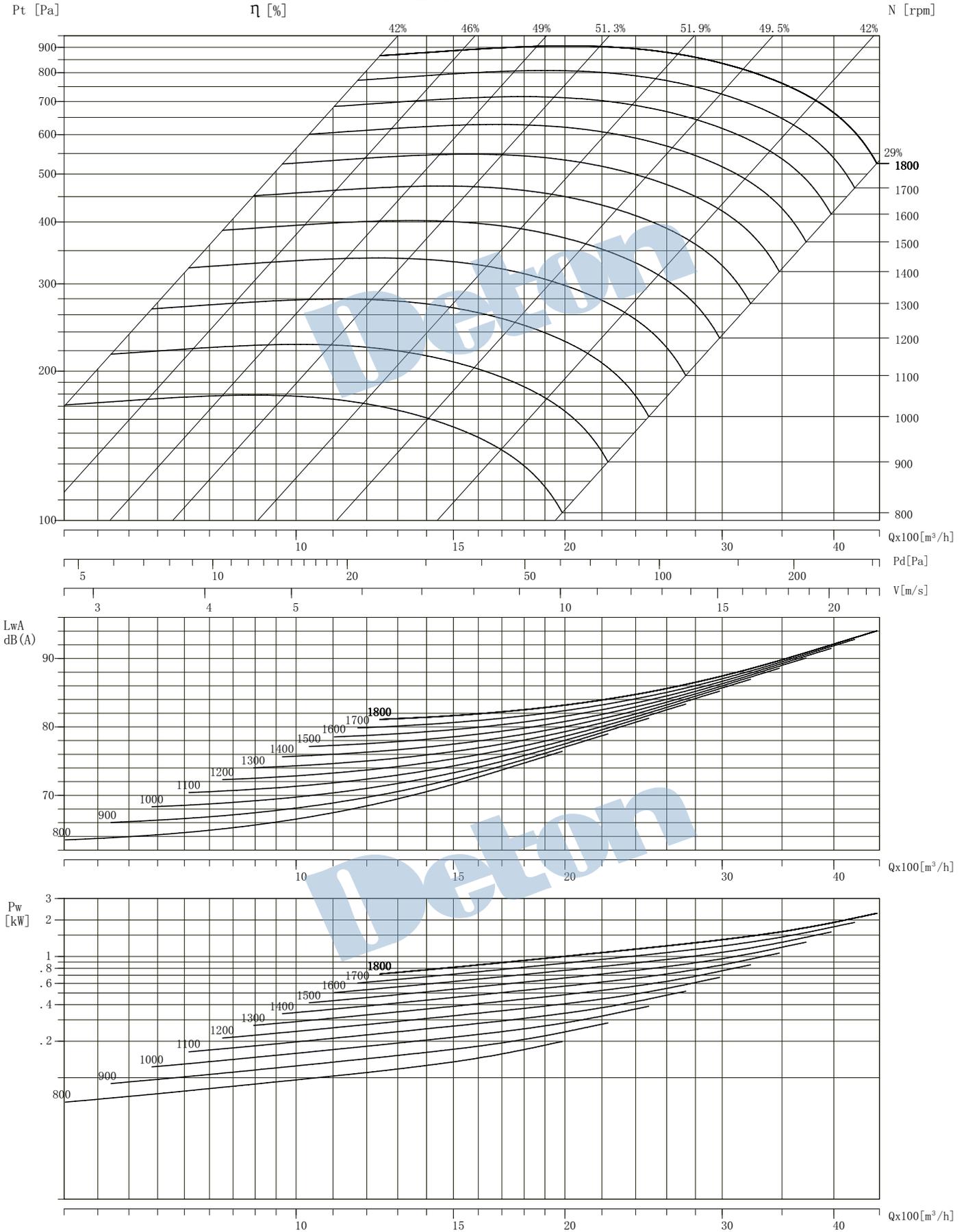
DTC9-4

Air Density: 1.2 kg/m³



Air Density: 1.2 kg/m³

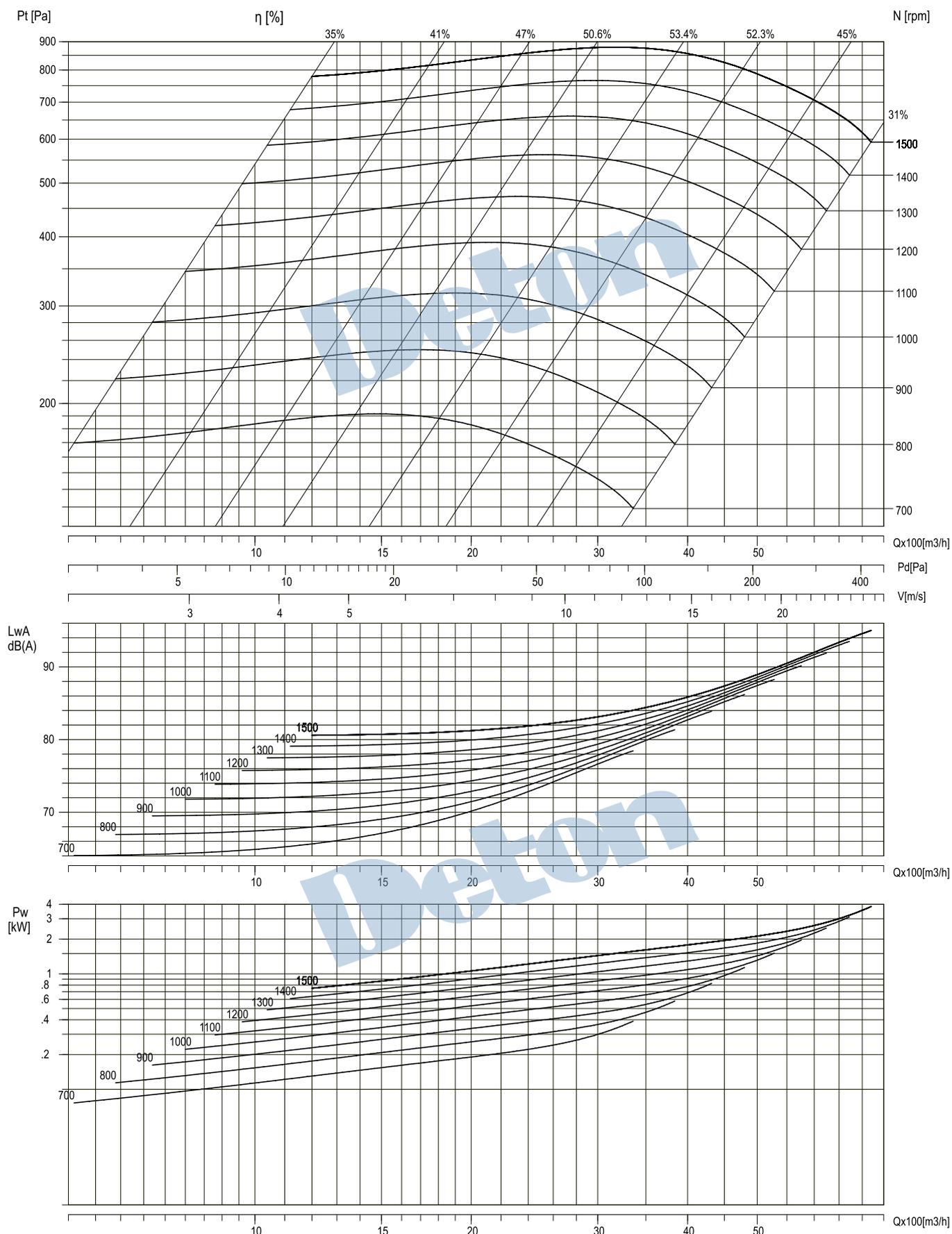
DTC10-5



DTC-SWSI

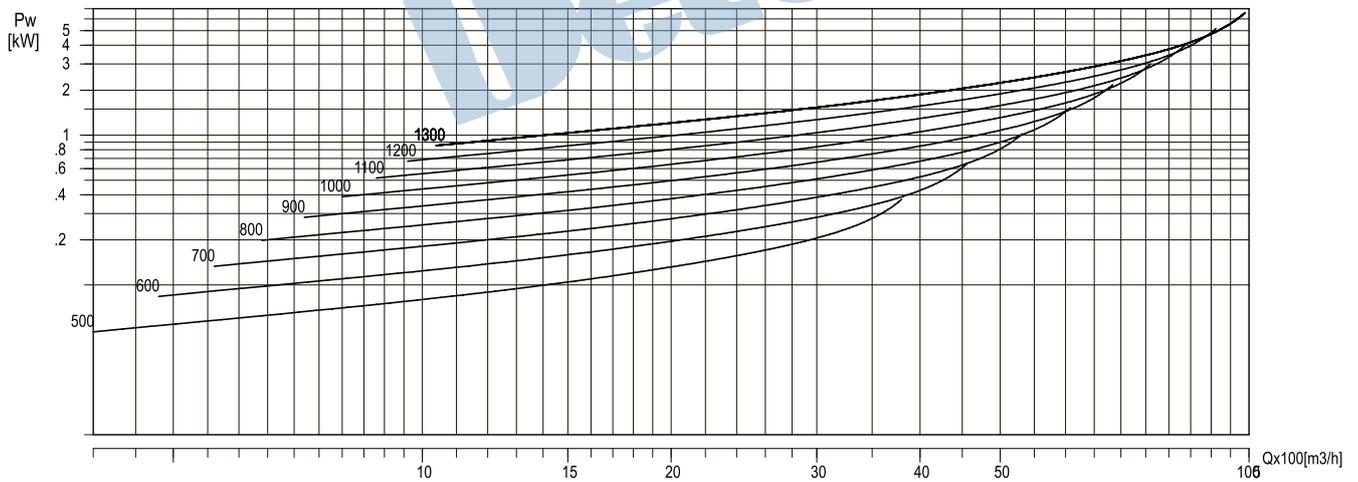
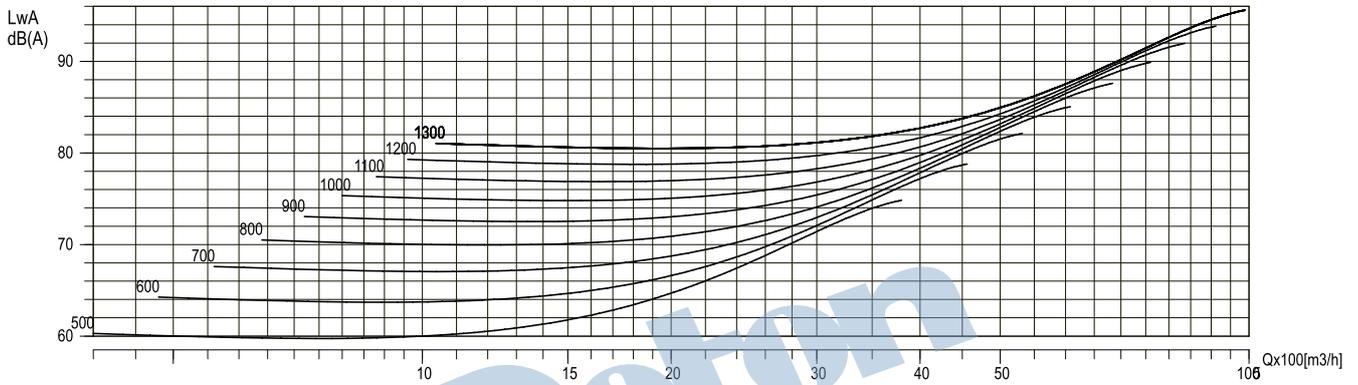
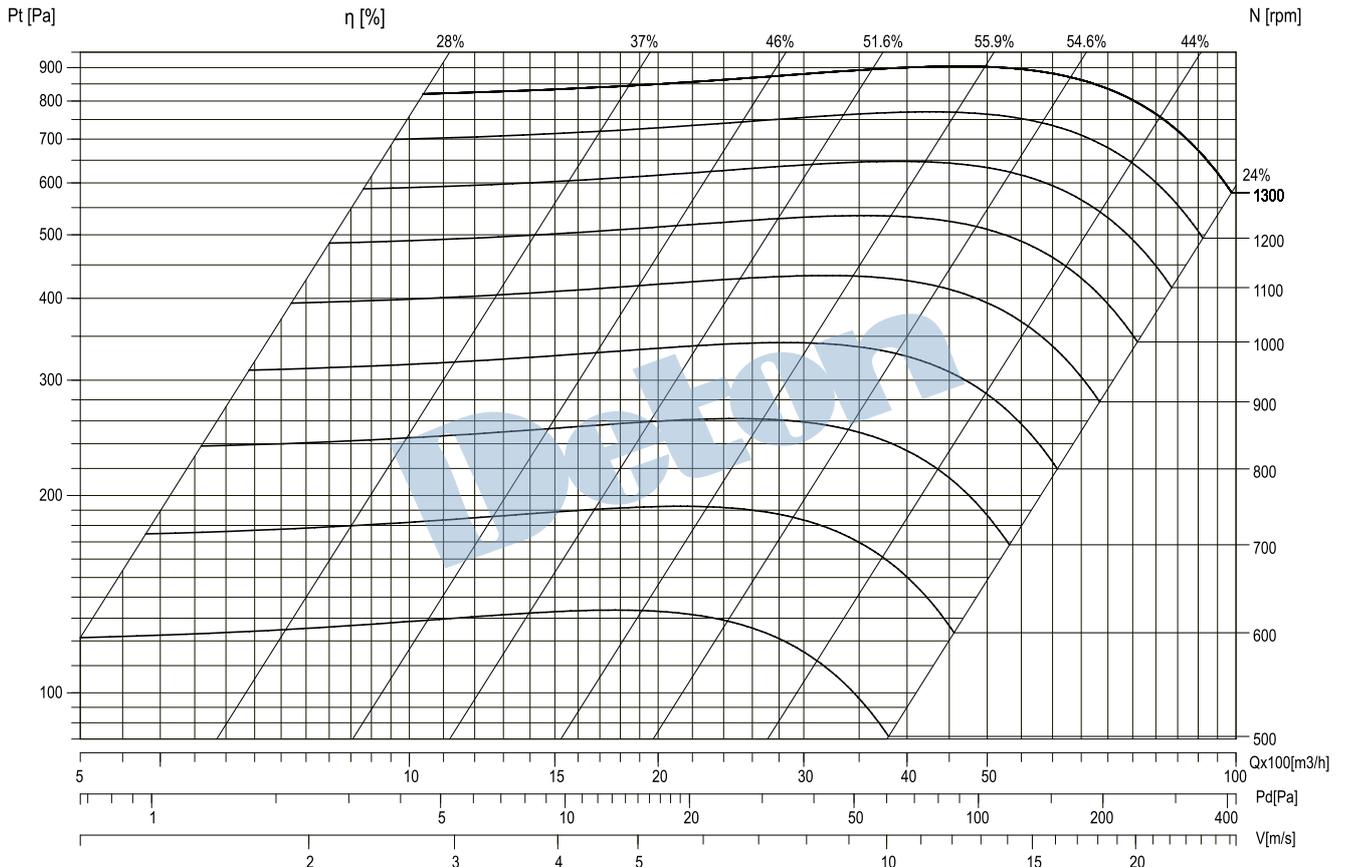
DTC12-6

Air Density: 1.2 kg/m³



DTC15-7

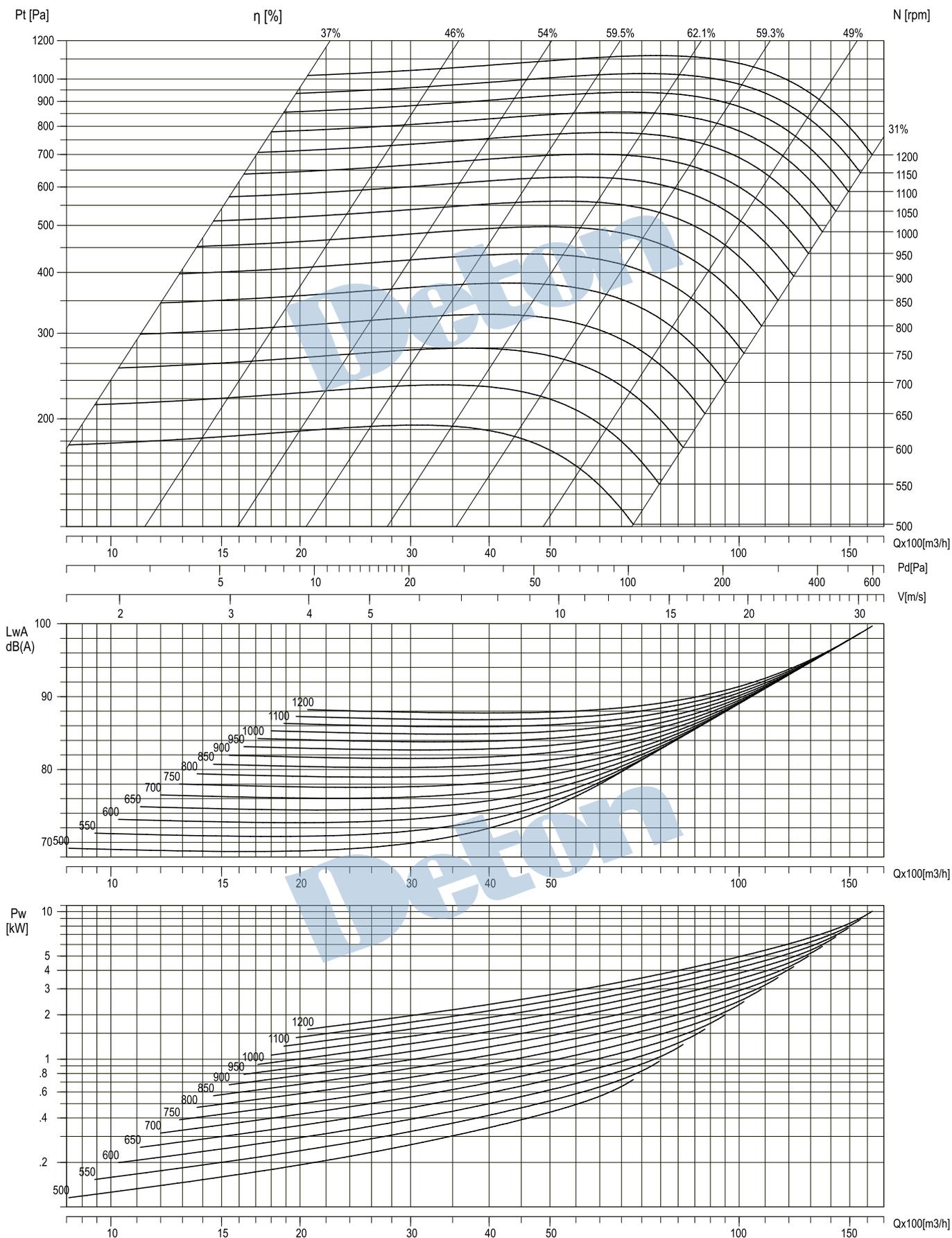
Air Density: 1.2 kg/m³



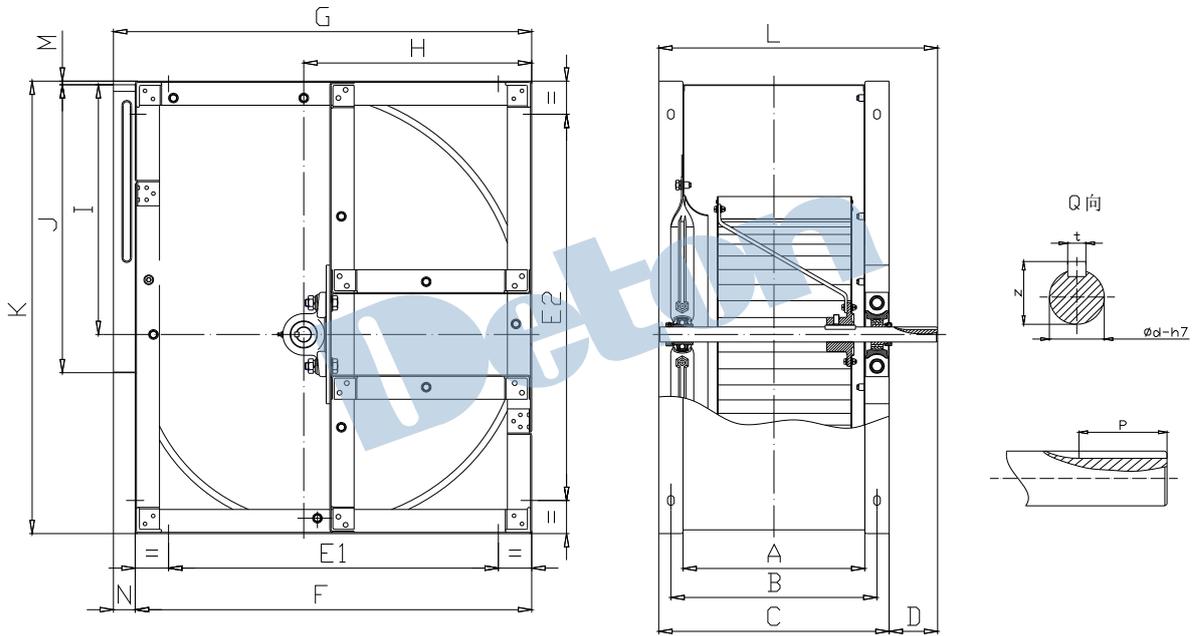
DTC-SWSI

DTC18-8

Air Density: 1.2 kg/m³



Dimension



Mode I	A	B	C	D	E1	E2	F	G	H	I	J	K	M	N	L	ϕd	t	z	P	UXS
DTC9-4-SW	170	192	230	70	249	299	349	385	200	216	262	399	6	36	300	25	8	28.3	40	9X12
DTC10-5-SW	190	212	250	70	295	355	395	431	228	249	289	455	6	36	320	25	8	28.3	40	9X12
DTC12-6-SW	220	250	280	80	361	433	461	497	267	294	341	533	6	36	360	25	8	28.3	40	11X16
DTC15-7-SW	260	290	320	80	439	521	539	575	311	342	404	621	6	36	400	25	8	28.3	40	11X16
DTC18-8-SW	300	340	380	80	544	641	654	690	376	415	478	751	6	36	460	25	8	28.3	40	11X16

Note: overall size tolerance arange $\pm 4\text{mm}$.

运转极限 Operational limits

		9-4	10-5	12-6	15-7	18-8
最大输入功率 Max.Power	kW	1.5	2.2	3	5.5	7.5
最大转速 Max.Speed	rpm	2000	1800	1500	1300	1200
极限温度/最低-20°C Temp. range/min. -20°C	Max. °C	80	80	80	80	80
风机重量 Fan weight	kg	13	16	21.5	31	42

DTC-SWSI