



Guangdong Zhaoqing Deton Company Ltd. certifies that the DTC series for model DTC9-9, DTC10-10, DTC12-12 and DTC15-15 shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



DTC带式传动空调风机

前倾英制叶轮

带式传动

DTC Series

DWDI, Forward Blades

CENTRIFUGAL FAN



广东肇庆德通有限公司

Guangdong Zhaoqing Deton Company Ltd.

June 2022

产品命名方式 Designation of Products

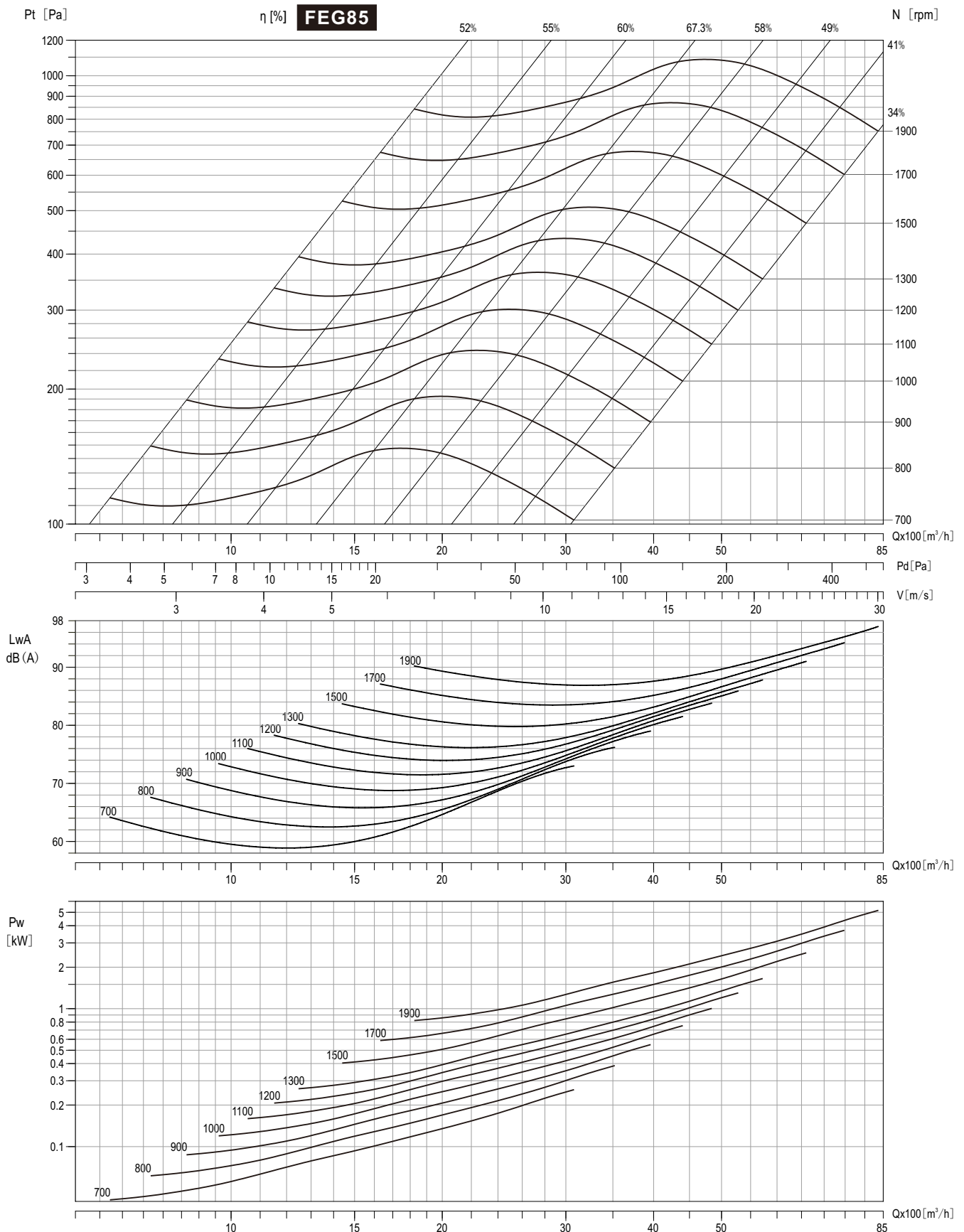


产品特征 Technical specification

- | | |
|---|--|
| <p>■ 叶轮：叶轮采用前弯多翼式设计，具有效率高、低噪声的特点。叶轮全部用镀锌板冲压而成，具有使用寿命高的特点。</p> | <p>Wheel: The impeller of DTC have forward curved muti-blades in order to obtain max,efficiency and low noise level. The impeller is manufactured in galvanized steel.</p> |
| <p>■ 机壳：机壳采用优质热镀锌钢板制成，侧板采用数控激光切割而成保证高精度的型线。侧板与涡板之间采用碰焊工艺连接。</p> | <p>Scroll: made of high grade galvanized steelsheet, and it is cutted by laser-cutting machine with high quality.</p> |
| <p>■ 框架：框架采用折边角钢焊接或TOX铆接而成。</p> | <p>Frame: made of galvanized angle sections steel .</p> |
| <p>■ 轴承：轴承采用优质调心滚珠轴承。</p> | <p>Bearing: out-spherial ball bearing are used in DTC</p> |
| <p>■ 主轴：主轴采用优质45号钢精加工而成，确保主轴的尺寸及行位公差。每根主轴都经过防锈处理。</p> | <p>Shaft: the shaft is made of C45 carbon steel with high tolerance levels.shaft is provided corrosion resistance.</p> |
| <p>■ 平衡：每个叶轮在装配前都经过动平衡,平衡精度满足ISO1940 和AMCA204 标准中G4.0标准。</p> | <p>Balance: all wheel are statically and dynamically balanced to ISO1940 and AMCA 204-G4.0 standard.</p> |

注：本系列风机另有非AMCA认证机号的产品数据资料可供索取。非认证机号包括：
DTC7-7、DTC8-8、DTC9-7、DTC10-8、DTC12-9、
DTC15-11、DTC18-13、DTC18-18

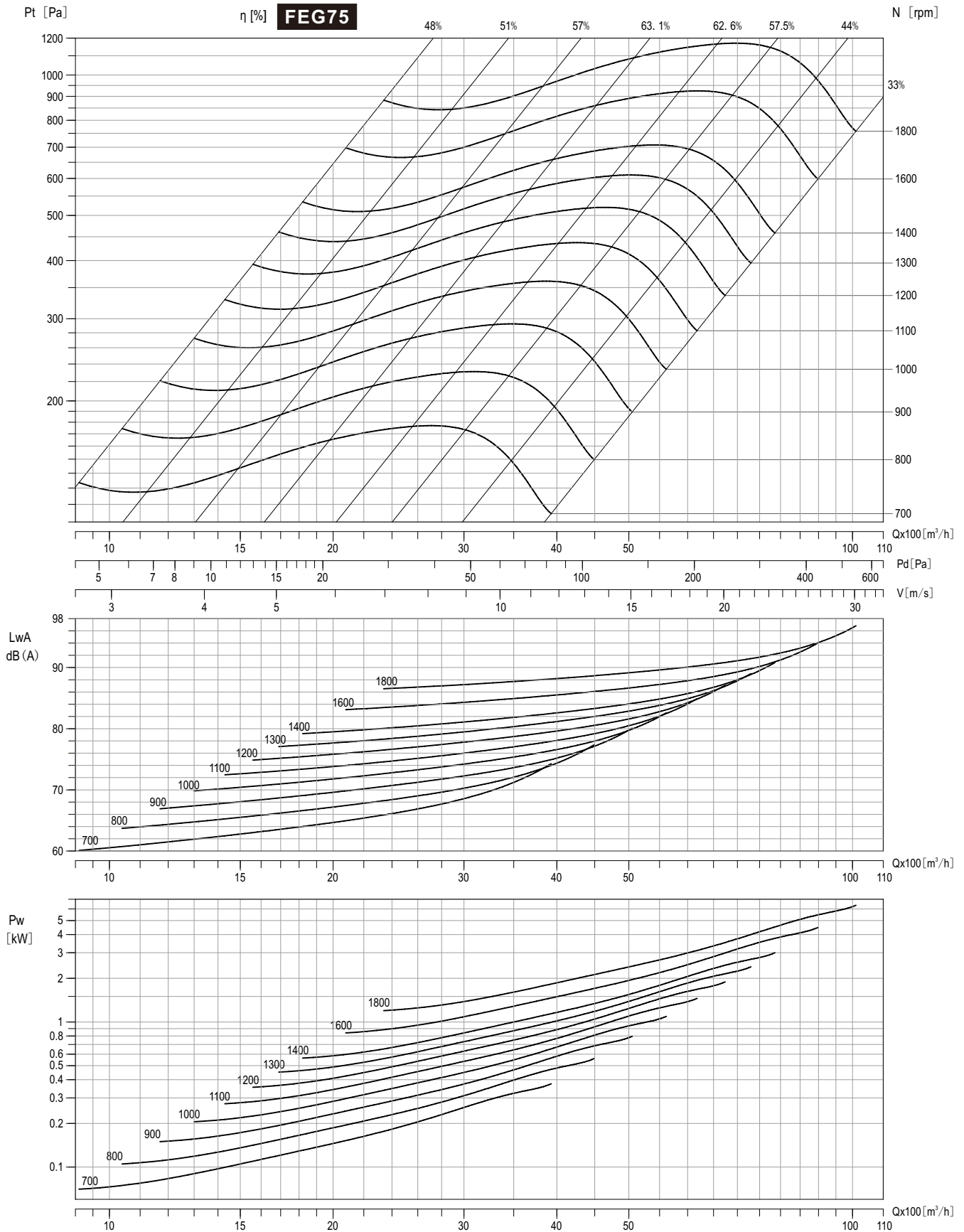
DTC9-9

Air Density: 1.2 kg/m³

Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet.

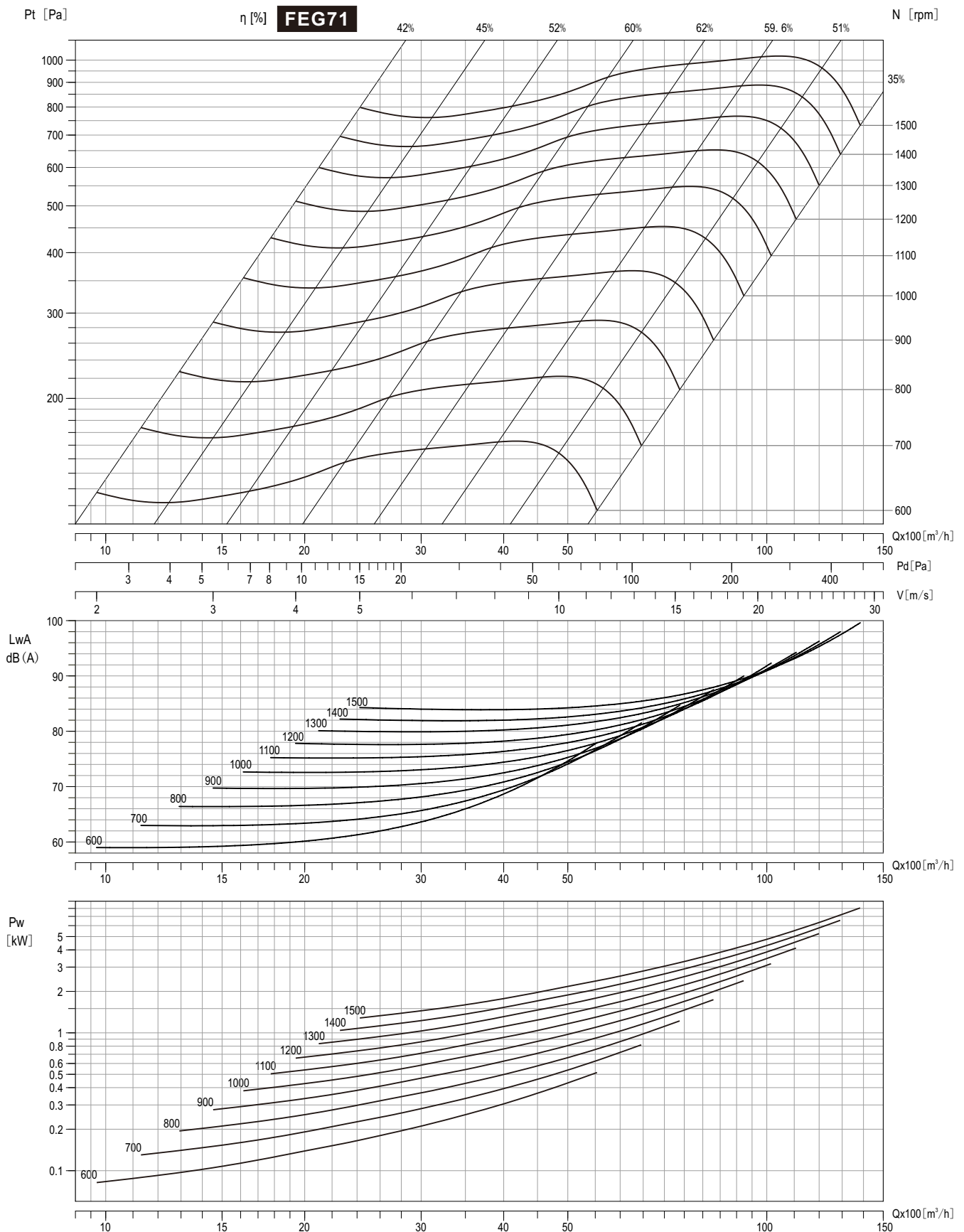
DTC10-10

Air Density: 1.2 kg/m³



Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet.

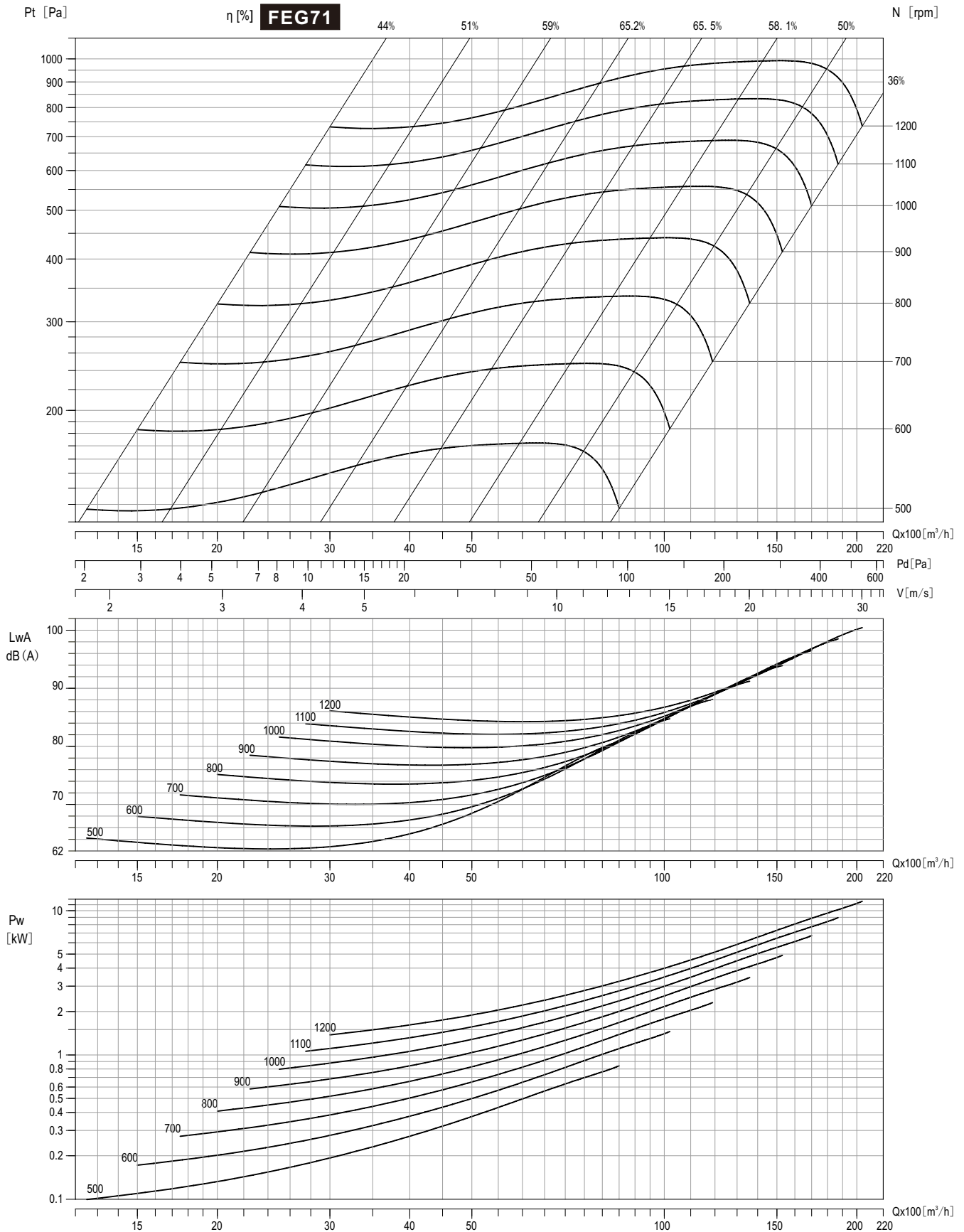
DTC12-12

Air Density: 1.2 kg/m³

Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet.

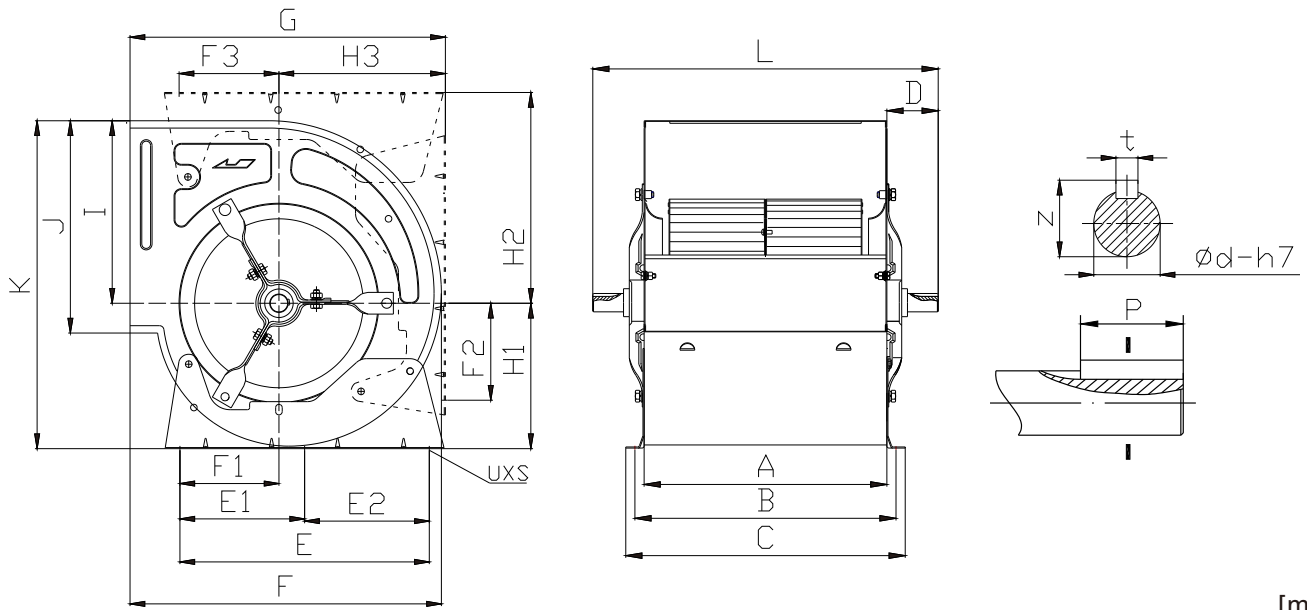
DTC15-15

Air Density: 1.2 kg/m³



Performance certified is for installation type B-Free inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for Installation type B: free inlet, ducted outlet.

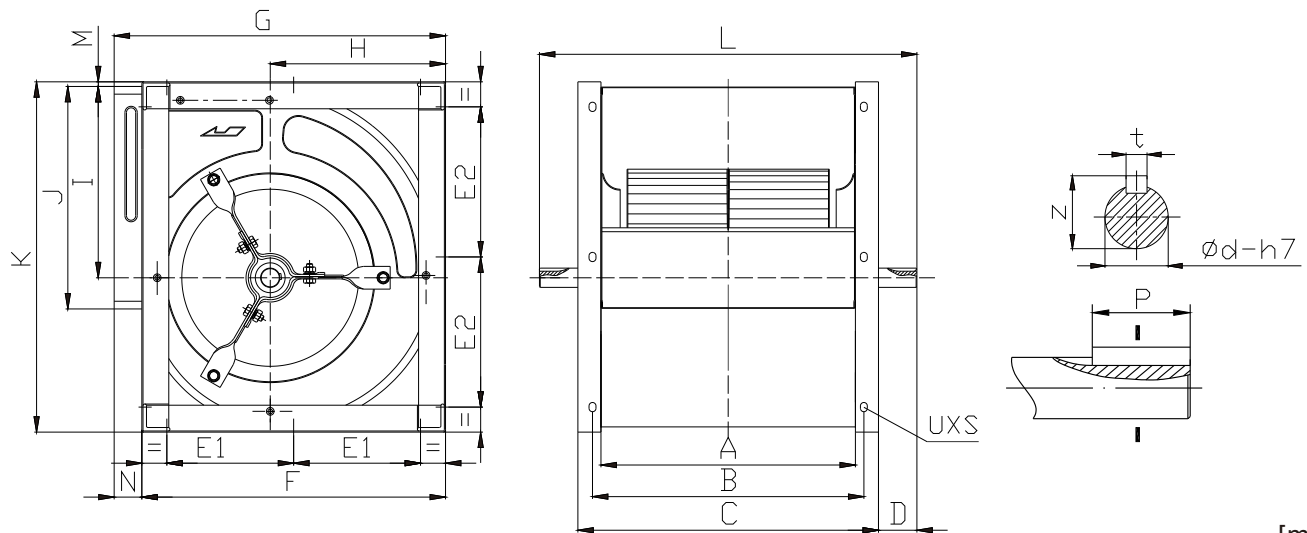
DTC-D dimension



[mm]

Model	A	B	C	D	E	E1	E2	F	F1	F2	F3	G	H1	H2	H3	I	J	K	L	ϕd	t	z	P	UXS
9-9	298	323	348	70	300	135	165	380	123	124	119	384	178	253	199	216	262	389	438	20	6	22.8	32	11X16
																				25	8	28.3	32	11X16
10-10	331	356	381	70	340	170	170	424	135	132	136	430	198	287	227	249	289	443	471	25	8	28.3	32	11X16
12-12	395	420	445	70	408	189	219	491	161	153	161	496	232	332	266	294	341	521	535	25	8	28.3	32	11X16
15-15	471	496	521	100	495	232	263	568	201	211	197	573	272	380	309	342	404	609	671	25	8	28.3	50	11X16
																				30	8	33.3	50	11X16

DTC-K dimension

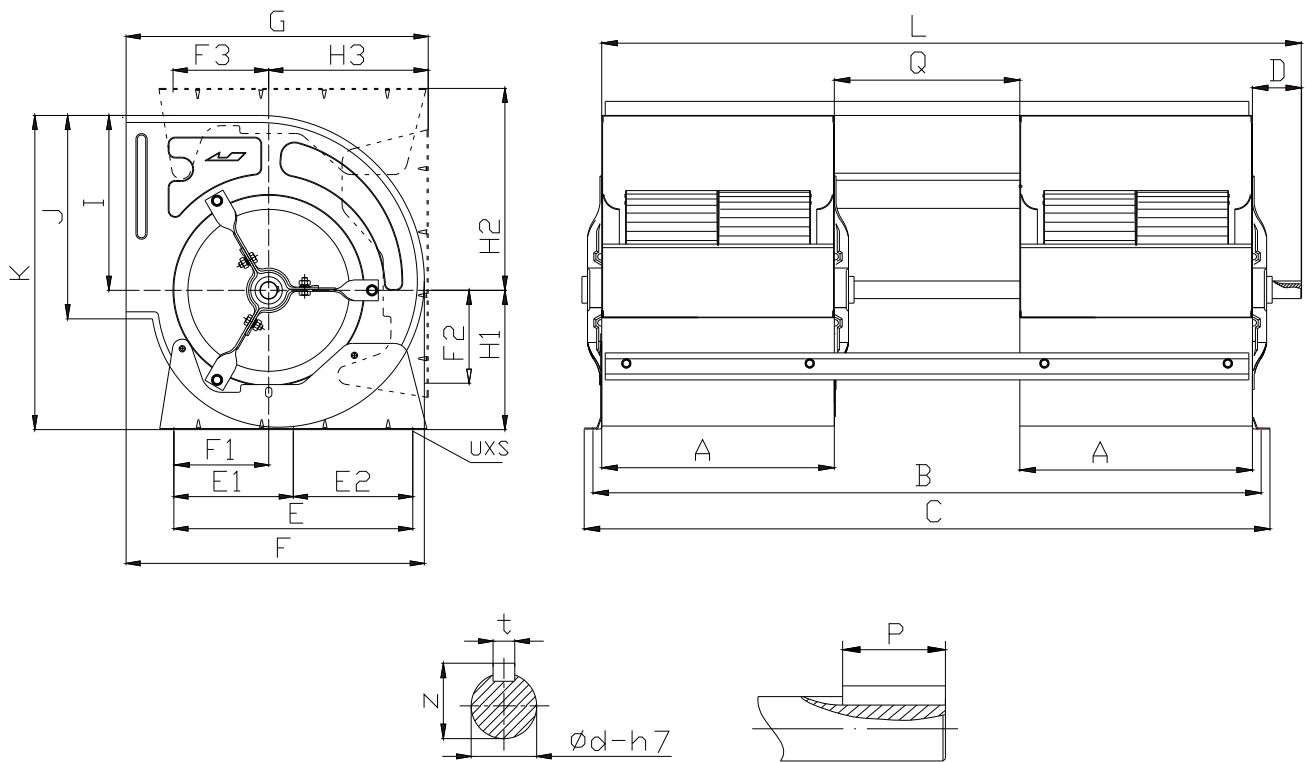


[mm]

Model	A	B	C	D	E1	E2	F	G	H	I	J	K	M	N	L	ϕd	t	z	P	UXS
9-9	298	320	358	50	137	162	349	385	200	216	262	399	6	36	458	20	6	22.8	32	9X12
																25	8	28.3		
10-10	331	353	391	50	165	195	395	431	228	249	289	455	6	36	491	25	8	28.3	32	9X12
12-12	395	425	455	50	185	222	461	497	267	294	341	533	6	36	555	25	8	28.3	32	11X16
15-15	471	501	531	70	225	266	539	575	311	342	404	621	6	36	671	25	8	28.3	50	11X16
																30	8	33.3		

说明：所有尺寸允许偏差 $\pm 4\text{mm}$ Note: Overall dimension tolerance arange $\pm 4\text{mm}$.

DTC-2D dimension



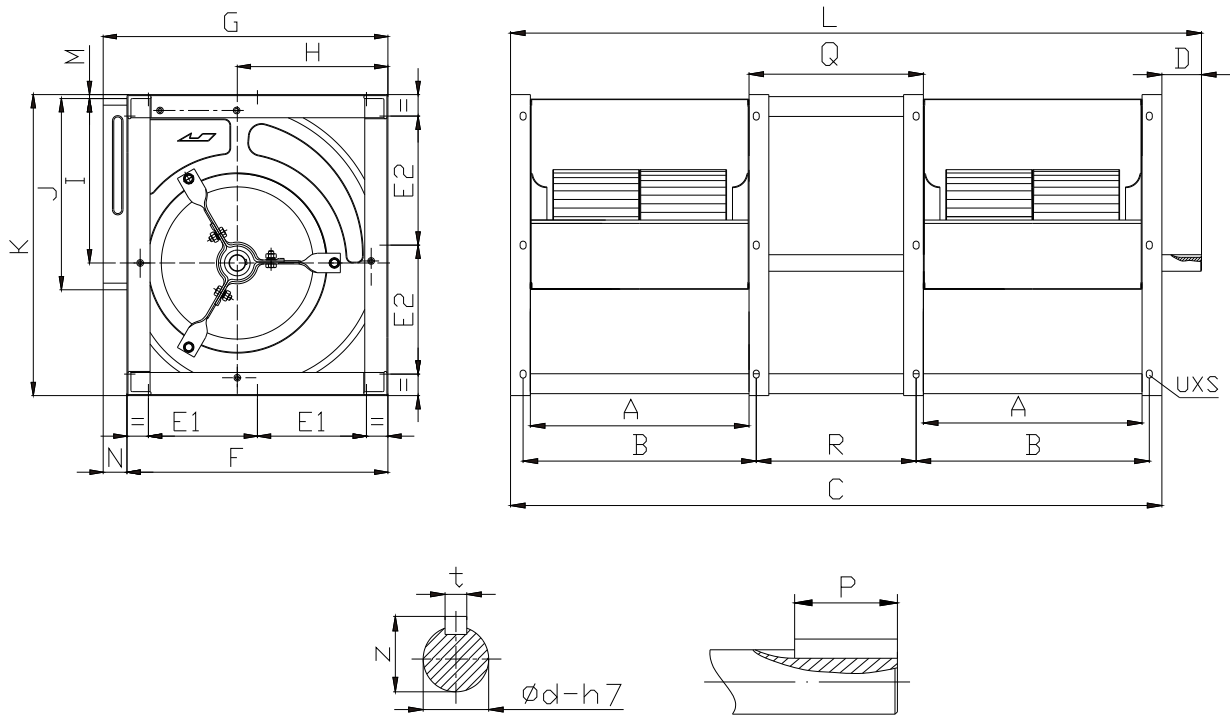
[mm]

Model	A	B	C	D	E	E1	E2	F	F1	F2	F3	G	H1	H2	H3	I	J	K	L	Q	ϕd	t	z	P	UXS
9-9	298	865	890	90	300	135	165	380	123	124	119	384	178	253	199	216	262	389	930	244	25	8	28.3	40	11X16
10-10	331	951	976	90	340	170	170	424	135	132	136	430	198	287	227	249	289	443	1015	264	25	8	28.3	40	11X16
12-12	395	1139	1164	110	408	189	219	491	161	153	161	496	232	332	266	294	341	521	1224	324	30	8	33.3	40	11X16
15-15	471	1351	1376	130	495	232	263	568	201	211	197	573	272	380	309	342	404	609	1456	384	30	8	33.3	80	11X16
																					35	10	38.3		

说明：所有尺寸允许偏差 $\pm 4\text{mm}$ 。

Note: Overall dimension tolerance arange $\pm 4\text{mm}$.

DTC-2K dimension



[mm]

Model	A	B	C	D	E1	E2	F	G	H	I	J	K	M	N	L	Q	R	ϕd	t	z	P	UXS
9-9	298	320	900	60	137	162	349	385	200	216	262	399	6	36	960	244	222	25	8	28.3	40	9X12
10-10	331	353	986	60	165	195	395	431	228	249	289	455	6	36	1046	264	242	25	8	28.3	40	9X12
12-12	395	425	1174	80	185	222	461	497	267	294	341	533	6	36	1254	324	294	30	8	33.3	40	11X16
15-15	471	501	1386	100	225	266	539	575	311	342	404	621	6	36	1486	384	354	30	8	33.3	80	11X16
																		35	10	38.3		

说明：所有尺寸允许偏差 $\pm 4\text{mm}$ 。Note: Overall dimension tolerance arange $\pm 4\text{mm}$.

运转极限Operational limits

				9-9	10-10	12-12	15-15
最大输入功率 Max Absorbed Power		D/K	kw	3	4	4	5.5
		2D	kw	6	8	8	11
		2K	kw	6	8	8	11
风机最高转速 Max Speed		D/K	rpm	1800	1600	1400	1100
		2D	rpm	1500	1400	1200	900
		2K	rpm	1500	1400	1200	900
极限温度(最低-20℃) Temp. range (min. -20℃)		D/K	max.℃	85	85	85	85
		2D/2K	max.℃	85	85	85	85
叶轮 Wheel	直径diameter		mm	241	270	321	381
	重量weight		kg	2.5	4.1	6.2	8.1
	转动惯量 J		kgm ²	0.024	0.05	0.107	0.198
风机重量 Fan Weight		D	kg	11.5	15.5	19	30
		K	kg	11.7	15.7	19.5	31
		2D	kg	22.5	30	45	60
		2K	kg	23.5	32.4	46.5	62

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资料如有更改，恕不另行通知