

HTF 系列消防高温排烟轴流风机

HTF SERIES HI-TEMPERATURE SMOKE DRAFTING AXIAL FLOW FAN

HTF 系列消防高温排烟轴流风机由上海交通大学、浙江大学与本公司共同研制开发,具有耐高温性能优良、效率高、占地比离心风机少、安装方便等特点。现已被全国二十多个省市的高级民用建筑竞相选用。

Jointly developed by Shanghai Jiaotong University, Zhejiang University and Zhejiang Shuangyang Fan Co., Ltd. the HTF series HI-temperature smoke-drafting fans are widely used and sold well in more than 20 provinces in China, Characterized by excellent hi-temperature resistance, hi-efficiency, little area-occupying, easy installation.

一、HTF 系列消防高温排烟轴流风机特点:

FEATURES

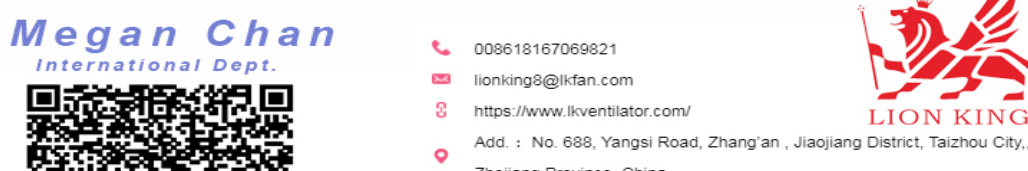
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立高于该标准的企业内控保证体系,
20 小时/次不损坏,广泛应用于高级

式,以达到一机二用(即常用通排风和

新产品,经实测,风机效率大于 80%,

连接和壁式安装(安装形式可垂直或

型式试验,可在全国各地销售,具体

1. Excellent high temperature resistance: testing of fan meets national standard GB50045-95 for fire protection. A company in-temeal quality assurance system is established higher than national standard to ensure 20 hours operation each time with no damage under the situation of 100°C. the fans are widely used for high class buildings, ovens, underground parking lots, tunnels and etc.
2. Wide application and operation condition: The fan can be selected in dual or multi speed driving mode based on different requirements for high-class buildings to serve dual function as normal ventilating and emergency smoke drafting fan.
3. High efficiency: The fan was developed by advanced CAD software system and with optimization design, new design fans' efficiency are tested over 80, some size are over 85 in efficiency, a gradually scope efficiency curve indicates a good power saving characteristics.
4. Convenient installation, less space occupation than centrifugal fan: Basically, as an axial flow fan, it can be connected directly with duct and mounted on the wall (vertical or horizontal mounting). It is a area-saving installation. Direct motor driving is adopted for a reliable operation to accomdeat the big fan size and flow rate.

HTF fans are sales-permitting products all over China approved by National Fire-fighting Equipments Testing Centre, please get on www.China-fire.com for details.

二、HTF- I 型消防高温排烟轴流风机性能参数表

HTF- I TYPE HI-TEMPERATURE SMOKE DRAFTING AXIAL-FLOW FAN PERFORMANCE DATA TABLE

型号 Model	气流进出口直径 Inlet/outlet diameter (mm)	风量 Air flow (m³/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Power (kW)	A 声级 L _A dB(A)	重量 Weight (kg)
3.5	360	4225 3840 3350	280 360 420	2900	0.75	≤78	77
4	410	5500 4800 3800	300 380 450	2900	1.5	≤79	88
4.5	460	8500 7800 6120	410 550 670	2900	2.2	≤84	99
5	510	9824 8861 6817	510 610 752	2900	3	≤86	110
5.5	560	15200 12000 10900	398 592 621	2900	4	≤86	115
6	610	16090 15102 13197	510 610 760	2900	5.5	≤86	164
6.3	640	20210 18700 15600	480 510 580	1450	5.5	≤87	165
6.5	660	21500 18000 15300	512 620 680	1450	5.5	≤88	170
7	710	24380 22439 18908	610 655 728	1450	7.5	≤88	208
8	810	31421 29172 26012	600 661 723	1450	7.5	≤89	216
9	910	33510 32297 27613	562 668 840	1450	11	≤90	250
10	1010	45679 40000 35000	630 690 770	1450	11	≤90	300
11	1112	51552 50128 48500	580 647 690	1450	15	≤92	380
12	1212	62763 59300 57748	624 680 740	960	18.5	≤93	480
13	1312	74708 65370 56031	600 710 807	960	18.5	≤94	520
14	1412	85511 74111 63312	612 718 812	960	22	≤95	590
15	1512	93800 86115 76041	623 710 819	960	22	≤95	650
16	1612	120233 109686 91210	652 762 912	960	30	≤96	740

三、HTF-Ⅱ型消防高温排烟轴流风机性能参数表

HTF-II TYPE HI-TEMPERATURE SMOKE DRAFTING AXIAL-FLOW FAN PERFORMANCE DATA TABLE

型号 Model	气流进出口直径 Inlet/outlet diameter (mm)	风量 Air flow (m³/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Power (kW)	实耗功率 Power (kW)	A 声级 L _A dB(A)	重量 Weight (kg)
5	510	9824 8861 6817	510 610 752	2900	3/2.5	2.5/0.3	≤86	110
		4912 4431 3410	127 153 188	1450			≤75	
5.5	560	15200 12000 10900	398 592 621	2900	4/3.3	3.1/0.39	≤86	115
		7600 6000 5450	100 148 155	1450			≤75	
6	610	16090 15102 13197	510 610 760	2900	5.5/4.5	4.7/0.6	≤86	164
		8045 7551 6599	127 153 190	1450			≤75	
6.5	660	21500 18000 15300	425 620 680	1450	5.5/4	5.1/1.5	≤88	170
		14235 11918 10130	187 272 298	960			≤80	
7	710	24380 22439 18908	610 655 728	1450	8/6.5	7/2	≤88	218
		16141 14865 12518	267 287 319	960			≤80	
8	810	31421 29172 26012	600 661 723	1450	8/6.5	7.1/4.1	≤89	226
		20800 19314 17222	263 290 317	960			≤80	

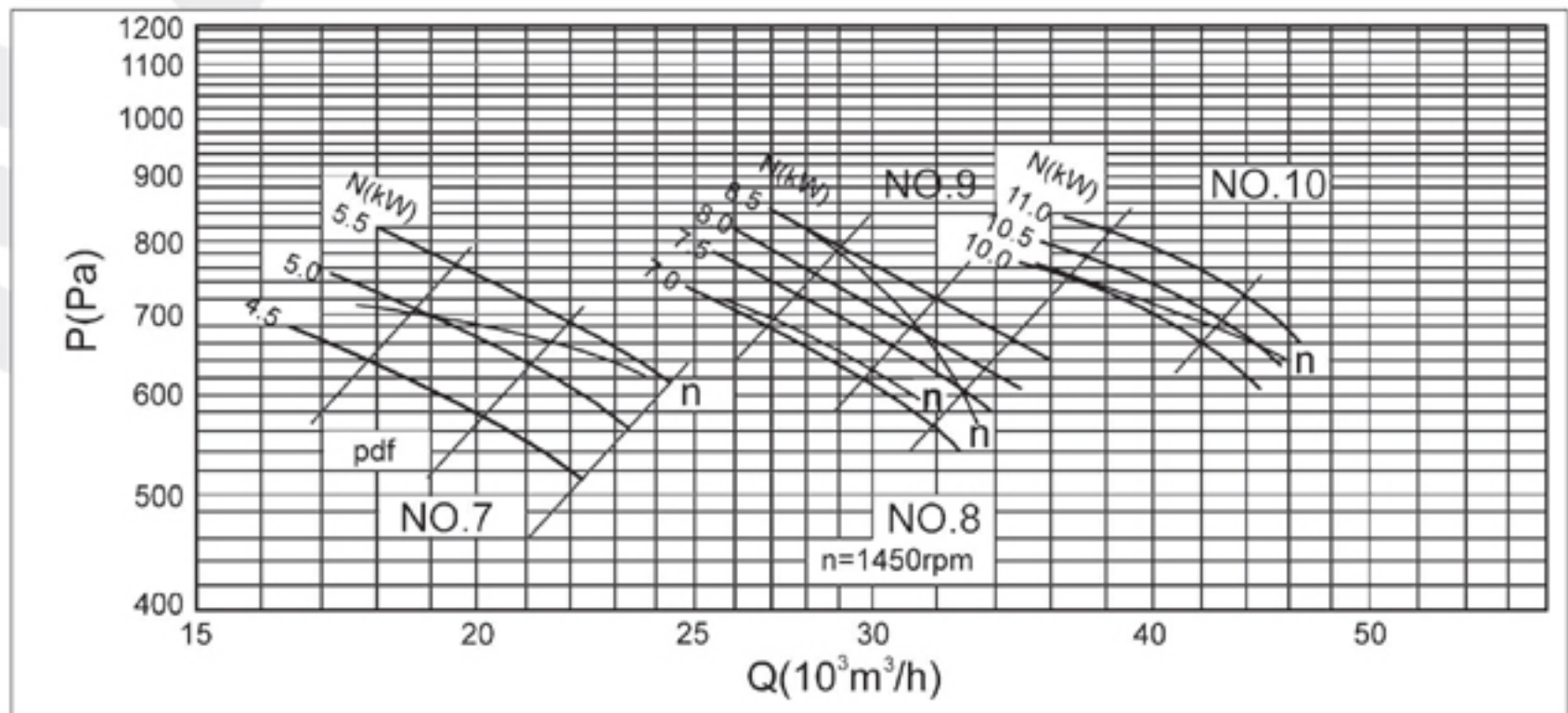
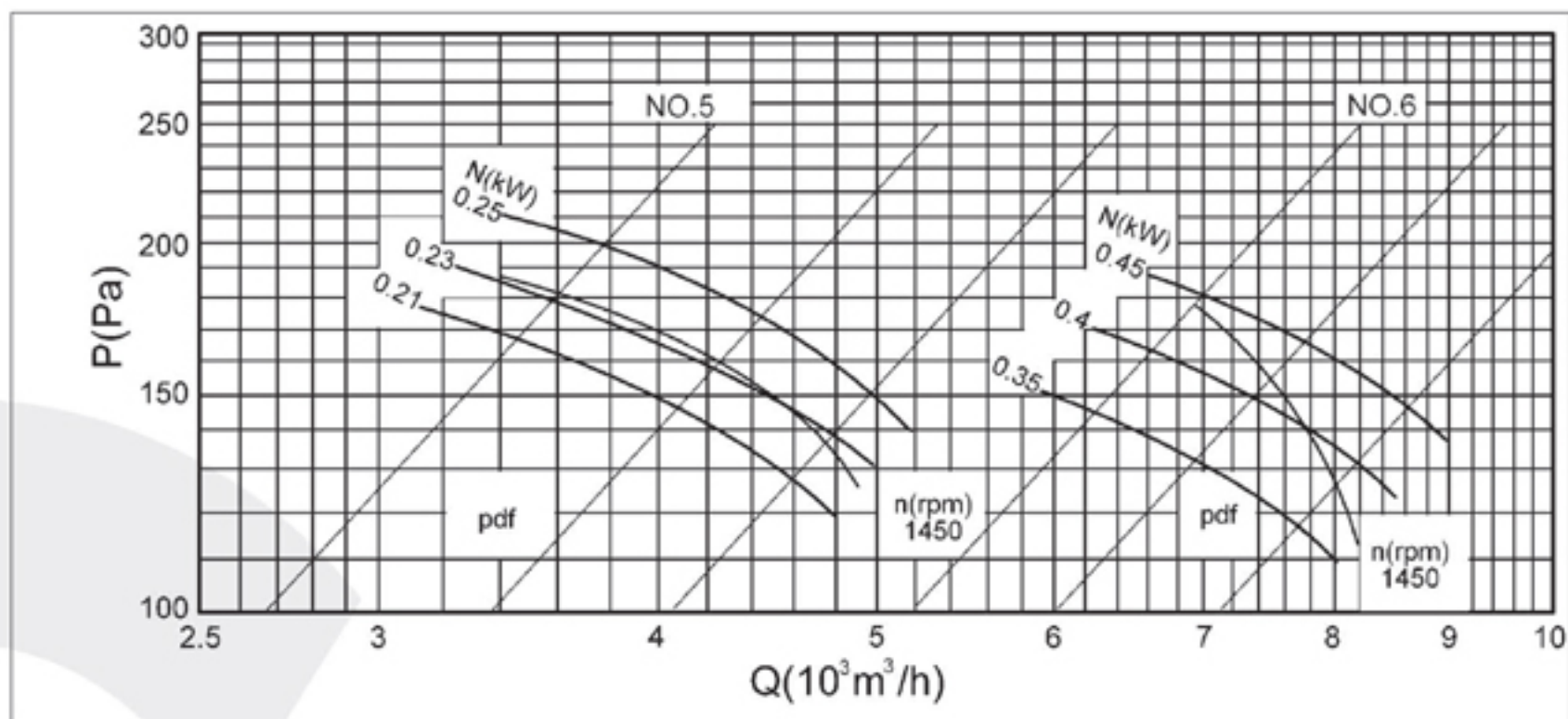
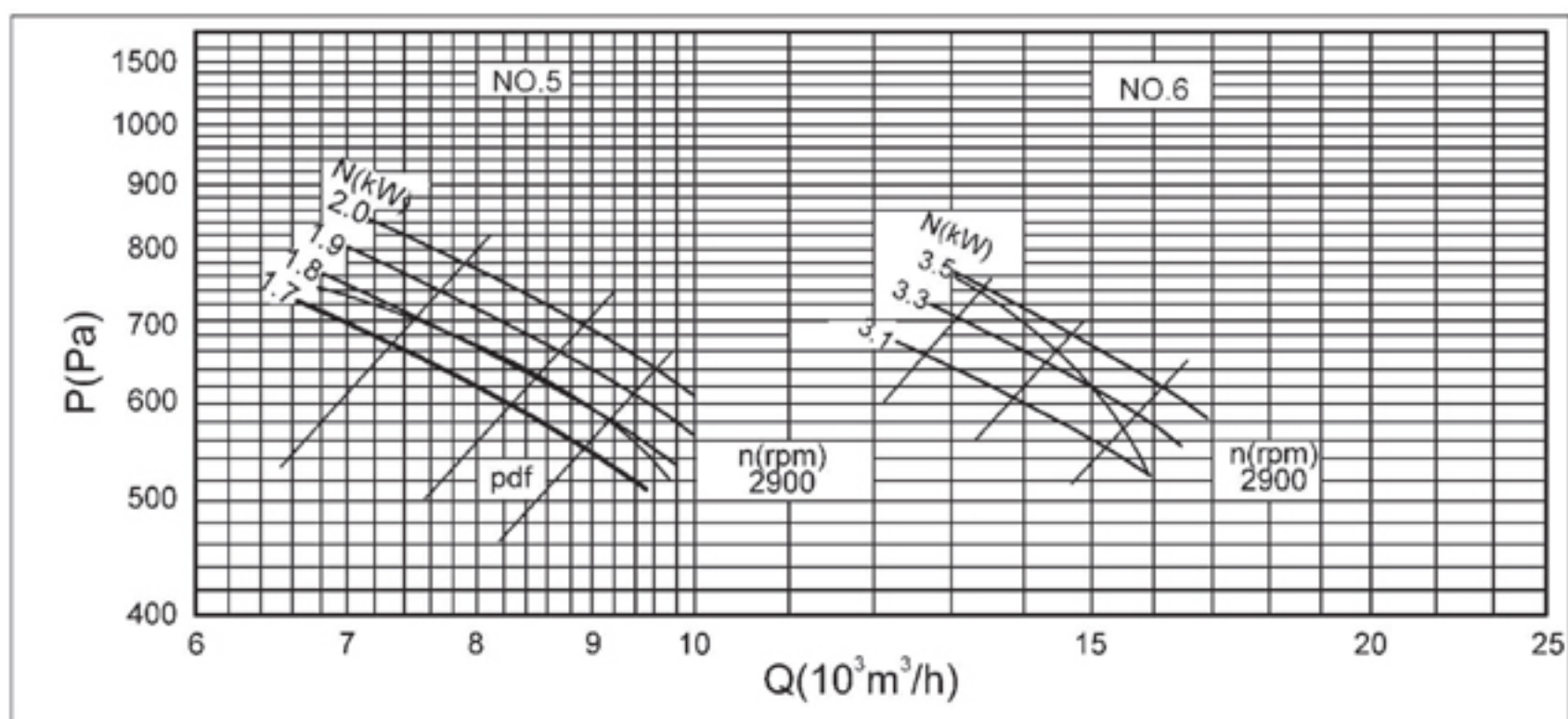
HTF-II 型消防高温排烟轴流风机性能参数表

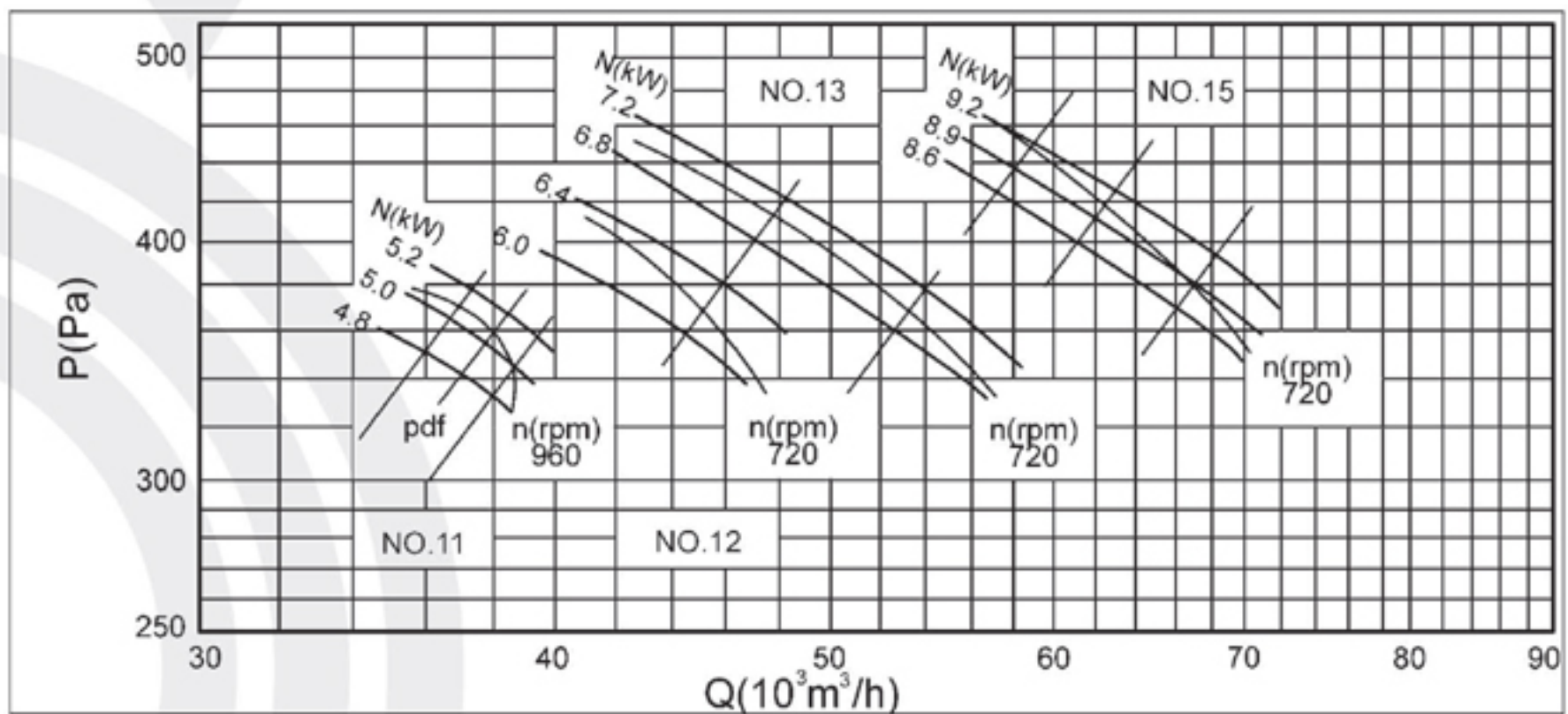
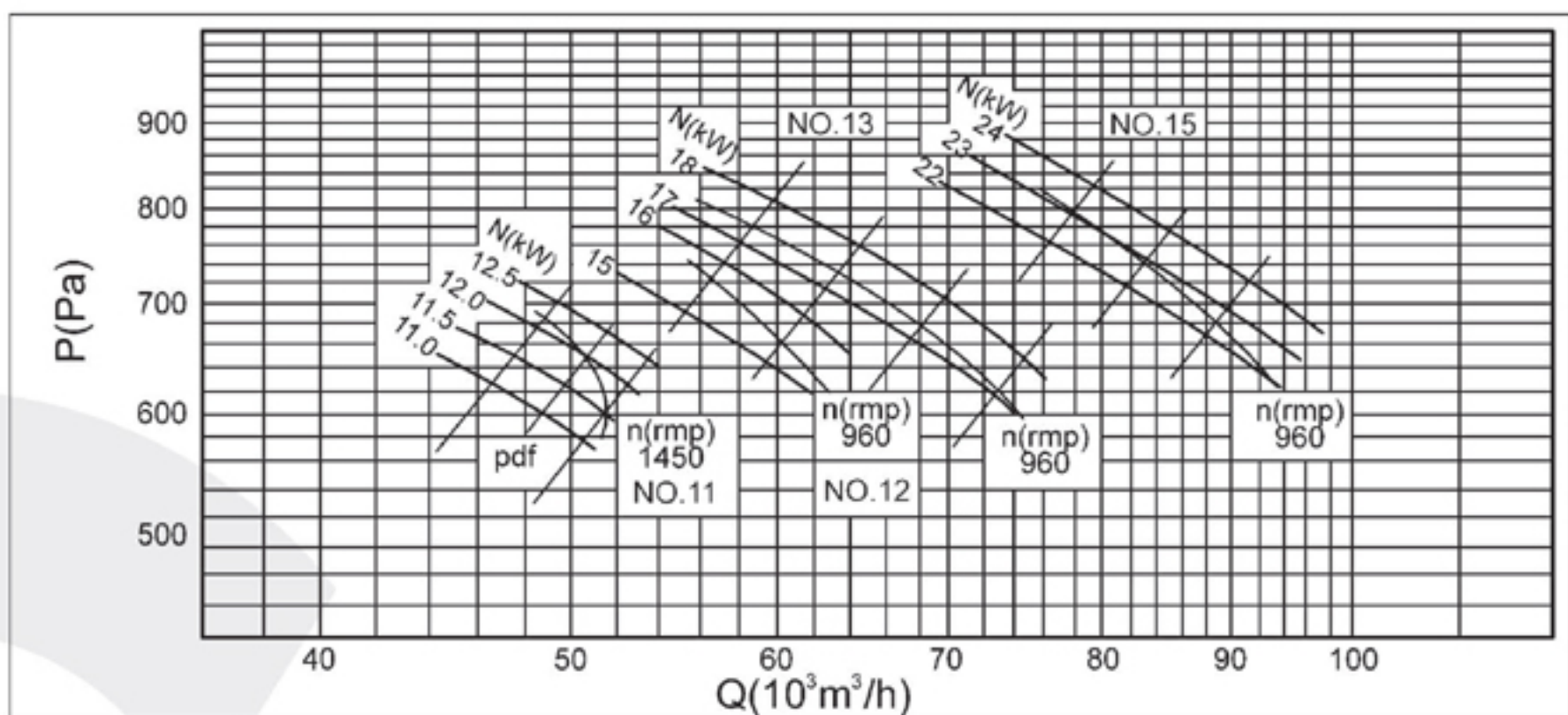
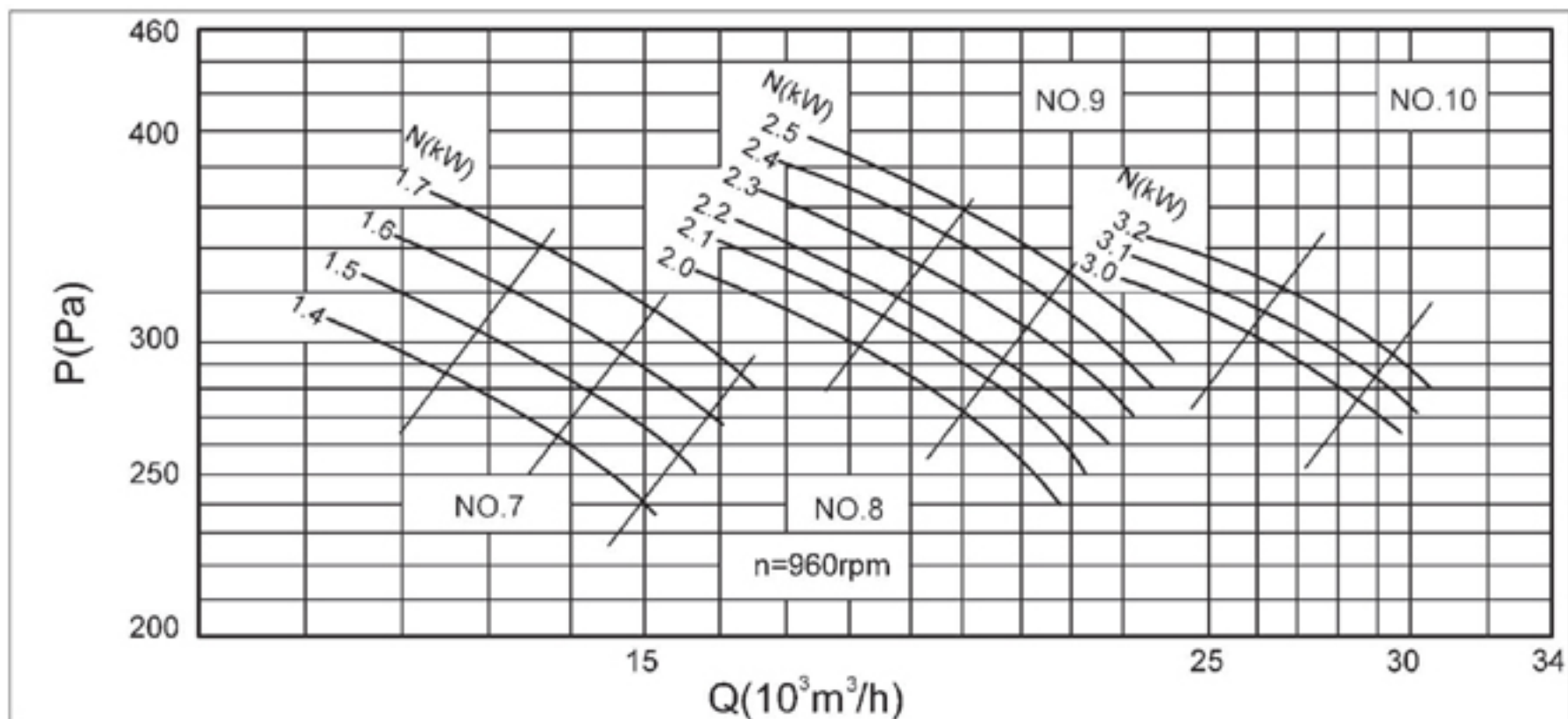
HTF-II TYPE HI-TEMPERATURE SMOKE DRAFTING AXIAL-FLOW FAN PERFORMANCE DATA TABLE

型号 Model	气流进出口直径 Inlet/outlet diameter (mm)	风量 Air flow (m ³ /h)	全压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Power (kW)	实耗功率 Power (kW)	A 声级 L _A dB(A)	重量 Weight (kg)
9	910	33510 32297 27513	562 668 840	1450	11/9	10.4/6.8	≤90	250
		22186 21383 18216	246 293 368	960			≤81	
10	1010	45679 40000 35000	630 690 770	1450	11/9	10.5/6.9	≤90	305
		30255 26483 23172	276 302 338	960			≤80	
11	1112	51552 50128 48500	580 647 690	1450	16/13	14.5/6.1	≤92	390
		34131 33188 32110	254 284 302	960			≤83	
12	1212	62763 59300 55651	624 680 740	960	17/8	15/6.3	≤93	485
		47072 44475 36845	351 383 416	720			≤83.5	
13	1312	74708 65370 56031	600 710 807	960	17/8	15/6.3	≤94	525
		56031 49027 42023	338 399 454	720			≤84.5	
14	1412	85511 74111 63312	612 718 812	960	22/11	20/8.7	≤95	615
		64133 55583 47484	344 403 458	720			≤85	
15	1512	93800 86115 76041	623 710 819	960	22/11	20/8.5	≤95	655
		70350 64586 57031	350 399 461	720			≤85	
16	1612	120233 109686 91210	652 762 912	960	30/15	27/11.6	≤96	780
		90175 82265 68408	366 428 513	720			≤86	

四、HTF 系列消防高温排烟轴流专用风机性能曲线

HTF SERIES HI-TEMPERATURE SMOKE DRAFTING AXIAL-FLOW FAN PERFORMANCE CURVE





五、双速风机电机引出线接法

CONNECTION METHODS OF THE OUTLET TERMINATION

双速风机电机引出线接法必须按风机接线盒内接线图联接,任一错误的接法,均会导致电机通电后瞬间烧毁。
The outlet termination of fan's dual-speed motor should be strictly connected according to the following chart, otherwise the connection may lead to motor's sudden break down.

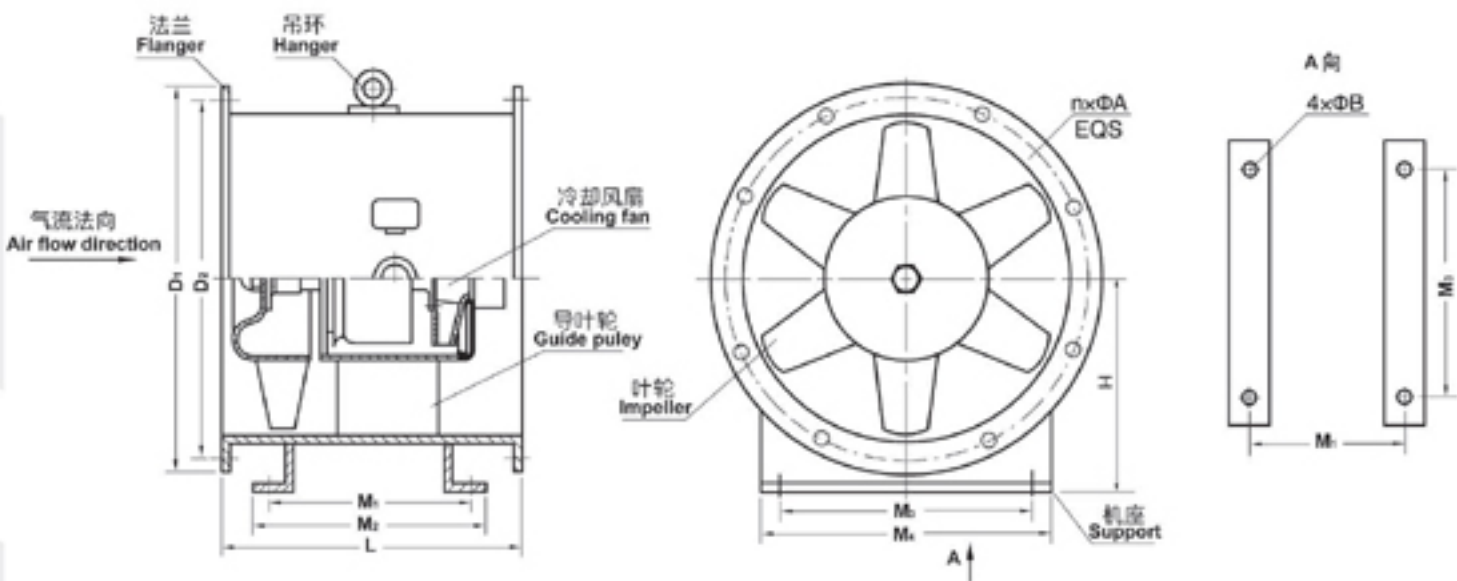
注: 配用双速电机的风机由用户提出,可带电控箱。
REMARKS: Fans completed of dual-speed motor are with electronic control panel upon request.

六、HTF 系列消防高温排烟轴流风机外形尺寸表

TABLE OF HTF SERIES HI-TEMPERATURE SMOKE DRAFTING AXIAL-FLOW FAN OVERALL DIMENSIONS

HTF-I 型(HTF-I TYPE) 单位(Unit):mm

型号 Model	D ₁	D ₂	M ₁	M ₂	M ₃	M ₄	L	H	n×ΦA	4×ΦB
3.5	Φ420	Φ390	340	380	200	240	560	232	8×Φ8.5	Φ11
4	Φ470	Φ440	380	430	200	300	560	258	8×Φ10.5	Φ11
4.5	Φ520	Φ490	380	430	300	400	600	290	8×Φ10.5	Φ11
5	Φ570	Φ540	450	500	300	400	620	313	12×Φ10.5	Φ11
5.5	Φ640	Φ600	470	520	400	500	650	348	12×Φ10.5	Φ15
6	Φ690	Φ650	540	590	400	500	750	373	12×Φ10.5	Φ15
6.3	Φ720	Φ680	550	600	400	500	760	388	12×Φ10.5	Φ15
6.5	Φ740	Φ700	550	600	500	600	760	398	12×Φ10.5	Φ15
7	Φ790	Φ750	550	600	500	600	800	423	16×Φ10.5	Φ15
8	Φ890	Φ850	550	600	500	600	800	483	16×Φ10.5	Φ15
9	Φ990	Φ950	600	660	600	700	870	546	16×Φ12.5	Φ19
10	Φ1090	Φ1050	600	660	600	700	870	604	16×Φ12.5	Φ19
11	Φ1190	Φ1150	700	780	690	790	910	650	20×Φ12.5	Φ19
12	Φ1310	Φ1260	800	880	830	930	1160	705	20×Φ12.5	Φ19
13	Φ1410	Φ1360	840	920	880	980	1200	750	20×Φ12.5	Φ21
14	Φ1510	Φ1460	840	920	900	1000	1200	800	20×Φ12.5	Φ21
15	Φ1610	Φ1560	840	920	1000	1100	1200	850	20×Φ12.5	Φ21
16	Φ1710	Φ1660	880	960	1000	1100	1260	900	24×Φ18.5	Φ21



HTF- II 型(HTF- II TYPE)

单位(Unit):mm

型号 Model	D ₁	D ₂	M ₁	M ₂	M ₃	M ₄	L	H	n×ΦA	4×ΦB
5	Φ570	Φ540	450	500	300	400	620	313	12×Φ10.5	Φ11
5.5	Φ640	Φ600	470	520	400	500	650	348	12×Φ10.5	Φ15
6	Φ690	Φ650	490	540	400	500	700	373	12×Φ10.5	Φ15
6.5	Φ740	Φ700	570	620	500	600	780	398	12×Φ10.5	Φ15
7	Φ790	Φ750	610	660	500	600	870	423	12×Φ10.5	Φ15
8	Φ890	Φ850	610	660	500	600	870	483	16×Φ10.5	Φ15
9	Φ990	Φ950	650	710	600	700	900	546	16×Φ12.5	Φ19
10	Φ1090	Φ1050	650	710	600	700	900	604	16×Φ12.5	Φ19
11	Φ1190	Φ1150	700	780	690	790	1000	650	20×Φ12.5	Φ19
12	Φ1310	Φ1260	800	880	830	930	1160	705	20×Φ12.5	Φ19
13	Φ1410	Φ1360	840	920	880	980	1200	750	20×Φ12.5	Φ21
14	Φ1510	Φ1460	840	920	900	1000	1200	800	20×Φ12.5	Φ21
15	Φ1610	Φ1560	880	960	1000	1100	1260	850	20×Φ12.5	Φ21
16	Φ1710	Φ1660	880	960	1000	1100	1350	900	24×Φ18.5	Φ21

注: 订货时请注明安装位置在室内或室外; 室外风机注明正压送风或消防排烟, 接线盒位于面对出风口左侧或右侧。
Remark: Please make sure the installation position indoor or outdoor; if outdoor please remark positive deliver or fire protection smoke-drafting, junction box should be in left or right side of wind opening.

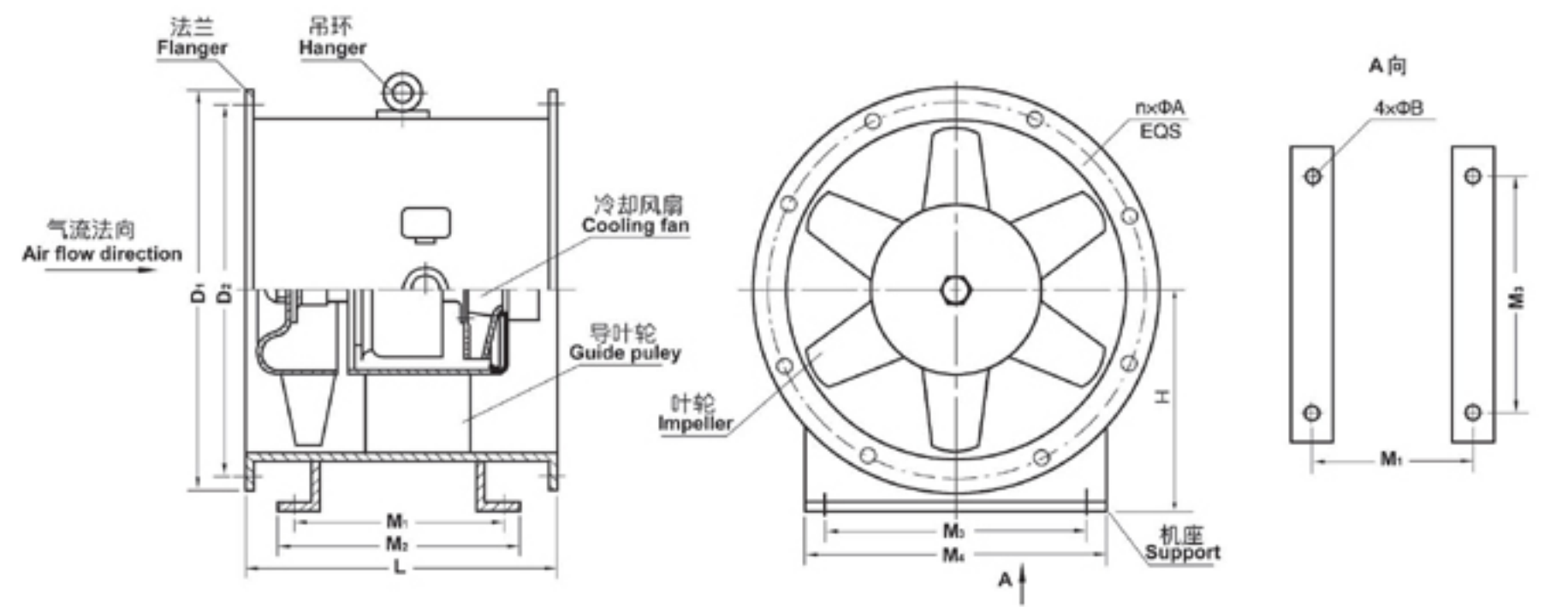
七、HTF-D 型低速低压消防高温排烟轴流风机性能参数

PERFORMANCE PARAMETER FOR TYPE HTF-D LOW-SPEED LOW-PRESSURE HI-TEMPERATURE SMOKE DRAFTING AXIAL-FLOW FAN

型号 Model	叶轮直径 Impeller diameter (mm)	风量 Air flow (m³/h)	全压 Total pressure (Pa)	转速 Speed (r/min)	装机容量 Power (kW)	A 声级 L _A dB(A)	重量 Weight (kg)
5	500	5220 4860 3950	140 210 230	1450	1.1	≤78	98
5.5	550	7250 6840 5420	115 220 230	1450	1.5	≤78	110
6	600	11000 9120 7840	152 250 300	1450	1.5	≤79	140
6.5	650	14580 12690 10820	190 280 320	960	2.2	≤82	170
7	700	17240 15210 10820	270 310 350	960	3	≤84	208
8	800	23680 20540 16840	230 310 350	960	3	≤85	216
9	900	28400 25420 21450	250 320 350	960	4	≤86	235
10	1000	35210 30820 25460	210 320 350	960	5.5	≤87	245
11	1100	40620 34100 30450	210 330 350	960	5.5	≤88	310
12	1200	53420 51480 43500	320 350 400	720	11	≤84	350
13	1300	58540 53680 50410	330 400 450	720	11	≤85	390
14	1400	64133 55583 47484	344 403 458	720	11	≤85	510
15	1500	72860 68750 58420	350 420 480	720	15	≤85	560
16	1600	90175 82265 68408	366 428 513	720	15	≤86	730

八、HTF-D 型低速低压消防高温排烟轴流风机外形尺寸表

OVERALL DIMENSIONS FOR TYPE HTF-D LOW-SPEED LOW-PRESSURE HI-TEMPERATURE SMOKE DRAFTING AXIAL-FLOW FAN



单位(Unit):mm

型号 Model	D ₁	D ₂	M ₁	M ₂	M ₃	M ₄	L	H	n×ΦA	4×ΦB
5	Φ570	Φ540	380	420	300	400	600	313	12×Φ10.5	Φ11
5.5	Φ640	Φ600	380	420	400	500	620	348	12×Φ10.5	Φ15
6	Φ690	Φ650	380	420	400	500	600	373	12×Φ10.5	Φ15
6.5	Φ740	Φ700	540	580	500	600	740	398	12×Φ10.5	Φ15
7	Φ790	Φ750	570	610	500	600	760	423	16×Φ10.5	Φ15
8	Φ890	Φ850	570	610	500	600	760	483	16×Φ10.5	Φ15
9	Φ990	Φ950	570	630	600	700	800	546	16×Φ12.5	Φ19
10	Φ1090	Φ1050	570	630	600	700	800	604	16×Φ12.5	Φ19
11	Φ1190	Φ1150	580	640	690	790	800	650	16×Φ12.5	Φ19
12	Φ1310	Φ1260	730	800	830	930	1140	705	16×Φ12.5	Φ19
13	Φ1410	Φ1360	730	800	880	980	1140	750	16×Φ12.5	Φ21
14	Φ1510	Φ1460	730	800	900	1000	1140	800	16×Φ12.5	Φ21
15	Φ1610	Φ1560	730	800	1000	1100	1200	850	16×Φ12.5	Φ21
16	Φ1710	Φ1660	730	800	1000	1100	1200	900	24×Φ18.5	Φ21