Nanfang Ventilator

凝聚我們科研人員的

智慧結晶

用我們每一位員工的

心血澆灌

提供更優質産品

讓用戶更放心

這就是

我們的奮鬥目標

注意：樣本提供的彩圖無論從顏色或 結構上可能與實物存在差异，
　　　一切以廠方提供的産品爲准。

C式传动 Driving Type C

D式传动 Driving Type D
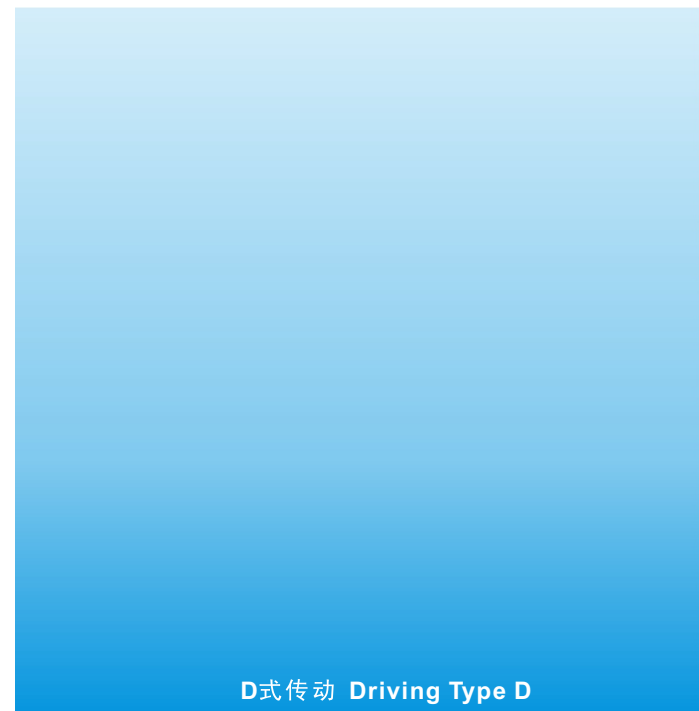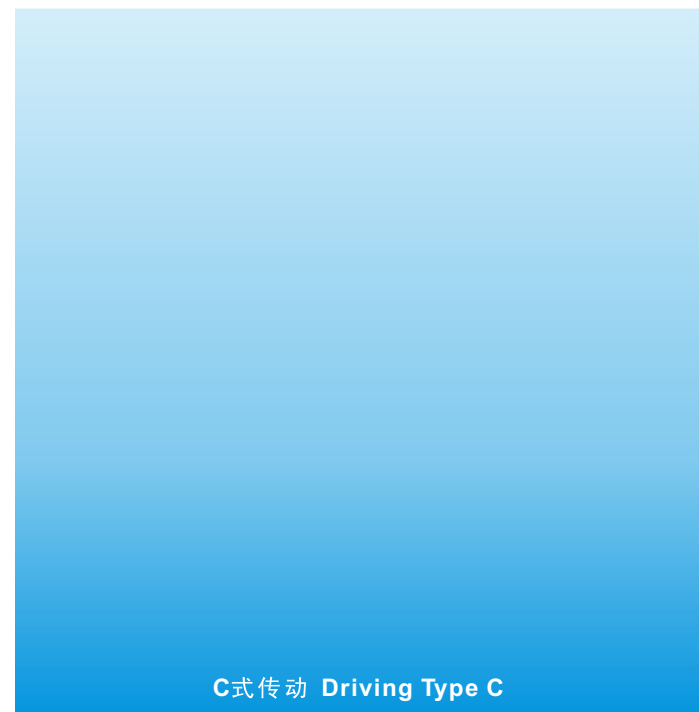
一、用途：

　　锅炉离心鼓、引风机适用于燃用各种煤质并配有消烟除尘装置的工业锅炉的通风系统。凡进气条件相当，性能又相适应的场合，均可选用。

　　对于9-35锅炉鼓风机，输送气体的温度不得超过80℃；对于Y9-35锅炉引风机，输送气体的温度一般不得超过250℃。

二、结构特点：

　　离心通风机一般由进风口、叶轮、蜗壳、出风口、传动组、底座及电动机等部件组成。
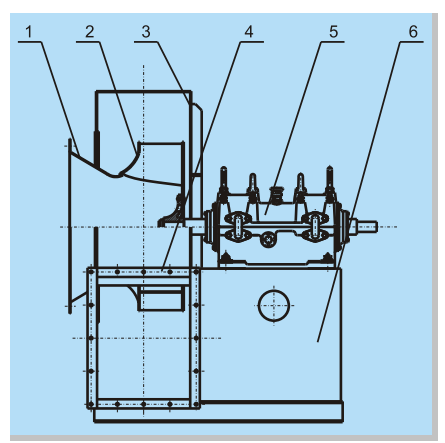
离心通风机结构示意图
Sketch map of structure of centrifugal fan

　　1.进风口：进风口制成整体，装于风机蜗壳的侧面。进风口轴向截面型线为流线型，能使气流均匀地进入叶轮，以降低流动损失和提高叶轮的效率。

　　2.叶轮：叶轮是离心通风机最重要的部件，其功能是将机械能转化为气体的静压能和动能。叶轮通常由前盘、叶片、后盘和轴盘（轮毂）组成，经过静、动平衡校正，运转平稳，空气性能良好。

　　3.蜗壳：蜗壳是气流的通道，型线通常为对数螺旋线，具有收集气流并导至出风口的作用，蜗壳又有一定的扩压作用。

　　4.出风口：气体流出通风机的通道，出风口上钻有螺栓孔，可与风管连接。

　　5.传动组：由主轴、轴承箱、滚动轴承、皮带轮或联轴器组成。主轴一端联接叶轮，另一端联接皮带轮或联轴器。

　　6.底座：用于承载蜗壳、传动组和电机，机壳与底座制成整体结构，用户无须自制安装基础，便于安装。

三、型式：

　　离心通风机根据叶轮旋转方向的不同，分为右旋风机和左旋风机。从电动机或传动组一侧正视，叶轮顺时针方向旋转，称为右旋风机，以"右"表示；叶轮逆时针方向旋

1. PURPOSE

Boiler Forced-draft-fun and Inducet-draft-fun are suitable for ventilation systems of industrial boilers with various coal materials as fuel and equipped with smoke and dust removal devices, which can be selected and used in all the occasions with appropriate air coming conditions and performance.

For G9-35 boiler forced-druft-fun, it is not allowed to have temperature of air delivered over 80℃ .For Y9-35 boiler inducet-draft-fan , temperature of air delivered is generally not over 250℃.

2. STRUCTURAL FEATURE:

Centrifugal fan generally consists of parts of air inlet, impeller, scroll case, outlet, gearing device, base and motor.

(1) inlet: inlet is made into an integer and set up at the side of scroll case of fan. Shaped conductor of axial cross sectionof inlet is streamline, the current can enter impeller equablyso as to reduce flow loss and improve efficiency of impeller.

(2) Impeller: impeller is the most important part of centrifugalfan, its function is to invert mechanical energy into gaseousstatic pressure energy and kinetic energy. Impeller generallyconsists of front panel, blade, back panel and axial panel (wheel hub). Through balanceable emendation, operation willbe smooth, and gas performance is good.

(3) Scroll case: scroll case is the passage of gas current, shaped conductor is usually log spiral with effect of current collection and guidance to outlet. Scroll case also has certaineffect of pressure extension.

(4) outlet: a passage for gas to flow out of fan. Outlet is drilledwith bolt hole and can be connected with air pipe.

(5) Gearing device: consists of principal axis, bearing housing, rolling bearing, pulley or clutch. One end of principal axis is connected with impeller, the other end is connected with pulleyor clutch.

(6) Base: used to bear the weight of scroll case, bearing device and motor, mantle and base are made into overall structure. It is not necessary for the user to make and install the base by himself, making installation easy.

3. VERSION:

Centrifugal fan is divided into dextral fan and laevogyrate fan according to rotary direction of impeller. It is called dextral fan and expressed with right if front view from one side of motor or gearing device finds impeller rotates clockwise, and called laevogyrate fan and expressed with left if front view from one side of motor or gearing device finds impeller rotates counter-clockwise.
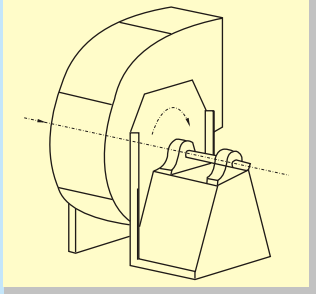
右旋(叶轮顺时针方向旋转)
Dextral (Impeller rotates clockwise)
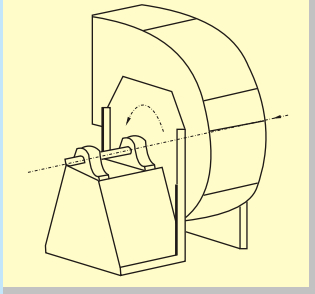
左旋(叶轮逆时针方向旋转)
Laevogyrate (Impeller rotates counter-clockwise)

离心通风机的出口位置，以机壳的出风口角度表示。离心通风机出风口位置调整范围一般为0°～225°，间隔为45°。对于其它出风口角度的情况，只要订货亦可提供。

Location of outlet of centrifugal fan is expressed with the angle of outlet of mantle. The adjustment scope of location of outlet of centrifugal fan is generally 0 degree to 225 degrees and the space is 45 degrees. Information about angle of outlet will be provided upon goods ordering.

右（CW）0°　　右（CW）45°　　右（CW）90°　　右（CW）135°　　右（CW）180°　　右（CW）225°
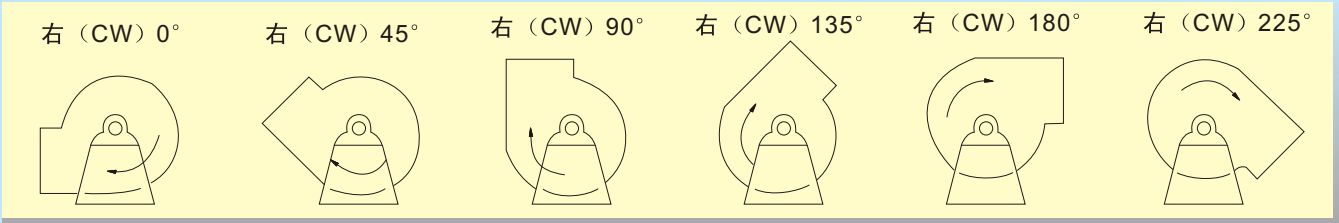
风机的常用传动方式有以下几种：

A式传动：离心通风机不配用传动组，电机与叶轮直联传动。

C式传动：离心通风机配用传动组，叶轮和皮带轮分别位于传动组两端，电机通过三角带传动。

D式传动：离心通风机配用传动组，叶轮和联轴器分别位于传动组两端，电机通过联轴器传动。

（注：风机外形及安装图见后表。）

四、性能与选择：

风机性能表中的参数，对于鼓风机(9-35)，是按标准状态即大气压力 P_a=101325Pa，大气温度 t_a=20℃，相对湿度 h_a=40％，空气密度 ρ =1.2 kg/m³ 的情况计算的；对于引风机(Y9-35)，则是按 t=200℃，大气压力 P_a=101325Pa，气体密度 ρ =0.745 kg/m³时的烟气介质计算的。

当使用状态与性能表中指定状态不符或风机的转速变化时，必须把使用状态的性能换算到性能表中指定状态的性能，然后根据换算性能选用风机。其换算公式如下：

$$Q_0 = Q\frac{n_0}{n} \qquad p_0 = p(\frac{n_0}{n})^2\frac{\rho_0}{\rho} \qquad N_{in0} = N_{in}(\frac{n_0}{n})^3\frac{\rho_0}{\rho} \qquad \eta_{in0} = \eta_{in} \qquad n \text{——} 風機轉速（rpm）$$
Rotate Speed

$$Q \text{——} 流量（m^3/h） \quad p \text{——} 全壓（P_a） \quad N_{in} \text{——} 內功率（kW） \quad \eta_{in} \text{——} 內效率 \quad \rho \text{——} 氣體密度（kg/m^3）$$
Volume Flow　　　　　Total Pressure　　　　Absorbed Power　　　　Efficiency　　　　Air Density

（注：下標有0爲指定狀態，下標無0爲使用狀態。）

Common driving types of fan are as follows:

Driving Type A: centrifugal fan is not set up with gearing device, motor and impeller drive in connection.

Driving Type C: centrifugal fan is set up with gearing device, impeller and pulley are respectively located at both ends of gearing device, motor drives through pulley.

Driving Type D: centrifugal fan is set up with gearing device, impeller and clutch are respectively located at both ends of gearing device, motor drives through clutch.

(Remarks: Figuration of fan and its installation chart are shown on the table below.)
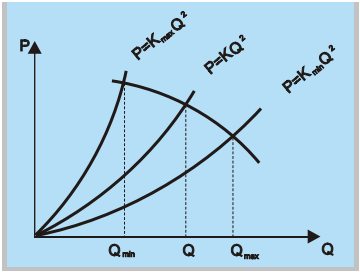
4. PERFORMANCE SELECTION:

FORCED-DRAFT-FAN (9-35): worked out on the basis that gas temperature standard status, namely atmospheric pressure P_a=101325Pa, atmospheric temperature t_a=20℃, relative humidity h_a= 40%, air density ρ =1.2 kg/m³. INDUCET-DRAFT-FAN(Y9-35): worked out on the basis that smoke medium status, namely air temperature t=200℃, atmospheric pressure P_a =101325Pa, air density ρ =0.745 kg/m³.

In case that the application status is not coincident with specific status in the performance table or rotating speed changes, it is necessary to convert performance of application status into that of specific status in the performance table, and then select fan according to converted performance. The conversion formula is as follows:

(Remarks: 0 marked below refers to specify status, No 0 marked below refers to use status.)

五、安装与使用：

离心通风机配用整体底座，用户无须自制安装基础。安装时，用户只须将风机整体放置于地面，调整水平后，用地脚螺栓固定。用户也可选用我厂专用减振器，通过减振器将风机整体放置于水平地面上，无须地脚螺栓，易于安装调整。

在通风机使用时，常常发生流量过大和不足的现象。这主要是由于管网阻力的计算不准确，或管网阻力发生变化等缘故。如果在使用过程中，经过较长时间流量逐渐减少，或在短时间内突然减少，则主要是由于管网堵塞。

5. INSTALLATION AND OPERATION:

Centrifugal fan is set up with monolithic base and it is not necessary for the user to make and install base by himself. In installation, the user just needs to place the monolithic fan on the ground and fix it with anchor screw. The user may also select special absorber of this factory and place monolithic fan on level ground through absorber, and anchor screw is not necessary, easy for installation and adjustment.

In fan's operation, phenomena of over-sufficient or insufficient runoff often occur mainly because of inaccurate calculation of resistance of pipe network, or variable resistance of pipe network. In fan's operation, the runoff gradually decreases in a long period of time, or suddenly decreases in a short period of time, mainly because of blockade of pipe network.

管網特性和全壓偏差與流量的關系
Relationship between pipe network characteristics, total pressure and runoff

在风机新安装后，进行正式运转时就发生流量过大或不足的现象，其原因主要有以下几点：

1. 管网阻力实际值与计算值相差过大。由一般管网特性方程式：P=KQ² 可知，如果管网特性系数K的实际值小于计算值时，则流量增大；如果K的实际值大于计算值时，则流量减少。

2. 选择时未考虑风机本身全压值偏差 Δ P的影响，当风机实际全压为正偏差时，则流量增大；当风机实际全压为负偏差时，则流量减少。

当离心通风机流量发生偏差时，可以通过下列方法设法消除：

1. 利用节流装置调节流量。如通过调节风阀或调节门。

2. 改变风机叶轮的转速调节流量。

3. 更换压力较高或较低的风机调节流量。

4. 改变管网阻力调节流量。

必须指出的是：一般都采用节流装置来调节通风机的流量。但当实际流量比需要流量大很多时，这种方法浪费电力很多，很不经济。如条件允许，通常采用减低风机转速或调换压力较低的风机。

当节流装置全开时，流量仍嫌过小，此时节流装置已失去作用，故应设法改变管网使阻力减小以增加流量。也可采用增加风机叶轮的转速或调换压力较高的风机。但风机的最大转速不可超过性能表上的最高转速，并要核算电动机功率。

六、订货须知：

订货时，请注明风机的使用环境，要求的压力、流量、风机的机号、旋转方向、出风口角度、传动方式、叶轮转速及电机型号等。

如有特殊要求，我厂可根据客户的要求特殊设计和制造。

When the fan is newly installed, phenomena of over-sufficient or insufficient volume flow occur in formal operation mainly because of the following:

1. Difference between actual value and calculated value of pipe network resistance is too big. It is known from formula of regular pipe network characteristics of P=KQ² that if the actual value of K, the coefficient of pipe network characteristics, is less than the calculated value, the volume flow will increase, if the actual value of K is more than the calculated value, volume flow will decrease.

2. In selection of fan impact of △p, warp of total pressure value of fan itself is not considered. When the actual total pressure of fan is positive warp, volume flow will increase, and when the actual total pressure of fan is negative warp, volume flow will decrease. Warp of volume flow of fan can be eliminated through the following methods:

(1) Adjusting volume flow with throttling gear, for example, with air damper or shutter.

(2) Changing speed adjustment volume flow of fan's impeller.

(3) Replacing with adjustment volume flow of fan with higher pressure or lower pressure.

(4) Changing adjustment volume flow of pipe network resistance.

It is necessary to point out: throttling gear is generally adopted to adjust volume flow of fan. But when the actual volume flow is much more than the required volume flow, it will cause mud waste of electric power and will be very uneconomical. If possible reduction of fan speed or replacement of fan with lower pressure should be adopted. When throttling gear is in full operation, if volume flow is still too small, it means that the throttling gear is out of effect, and it is necessary to change pipe network to reduce resistance so as to increase volume flow. It is also possible to adopt methods of increasing speed of fan impeller or replacing with fan with higher pressure. However, the maximum speed of fan should not exceed the maximum speed in the perform-ance table and it is necessary to calculate motor power.

6. NOTICE TO GOODS ORDERING:

To order goods, please indicate the use environment of fan, required pressure, volume flow and fan size, rotary direction, angle of outlet, driving type, impeller rotate speed and motor model, etc.

Our factory provides special design and manufacturing upon user's request.

八、性能参数表　PERFORMANCE PARAMETER TABLE

9-35

机号 No	转速 Speed (r/min)	流量 Volume Flow (m³/h)	全壓 Total Pressure (Pa)	静壓 Static Pressure (Pa)	内效率 Efficiency (%)	内功率 Absorbed Power (kW)	所需功率 Required Power (kW)	配用电机 Suitable Motor 型号 Model	功率 Motor Rating (kW)
6	1450	3710	1912	1810	63	3.13	3.84	Y132S-4	5.5
		4640	2000	1840	66	3.91	4.79		
		5570	2059	1829	67.5	4.71	5.76	Y132M-4	7.5
		6500	2098	1784	68	5.57	6.54		
		7430	2108	1698	67.5	6.45	7.57		
		8360	2108	1589	67	7.31	8.58	Y160M-4	11
		9290	2079	1438	64	8.38	9.83		
		10220	1990	1215	61	9.26	10.87		
	960	2460	833	788	63	0.90	1.19	Y132S-6	3
		3070	872	802	66	1.13	1.50		
		3690	902	801	67.5	1.37	1.82		
		4300	921	784	68	1.62	2.15		
		4910	921	742	67.5	1.86	2.47		
		5530	921	694	67	2.11	2.59		
		6140	912	632	64	2.43	2.98	Y132M₁-6	4
		6750	872	534	61	2.68	3.29		
8	1450	8776	3399	3218	63	13.16	16.13	Y180L-4	22
		10981	3534	3251	66	16.33	20.02		
		13171	3646	3239	67.5	19.74	23.19	Y200L-4	30
		15376	3712	3157	68	23.29	27.33		
		17566	3735	3010	67.5	26.98	31.7	Y225S-4	37
		19756	3735	2818	67	30.6	35.84		
		21961	3668	2535	64	34.94	41.01	Y225M-4	45
		24167	3511	2139	61	38.64	45.38		
	960	5810	1490	1411	63	3.82	4.68	Y160M-6	7.5
		7270	1549	1425	66	4.74	5.81		
		8720	1598	1419	67.5	5.73	6.73		
		10180	1627	1384	68	6.76	7.93	Y160L-6	11
		11630	1637	1319	67.5	7.83	9.20		
		13080	1637	1235	67	8.88	10.40		
		14540	1608	1111	64	10.14	11.90	Y180L-6	15
		16000	1539	938	61	11.20	13.17		
	730	4430	863	817	63	1.69	2.06	Y132M-8	3
		5540	902	830	66	2.10	2.57		
		6650	931	827	67.5	2.55	3.12	Y160M₁-8	4
		7760	941	800	68	2.99	3.66		
		8870	951	766	67.5	3.47	4.26	Y160M₂-8	5.5
		9980	951	717	67	3.93	4.81		
		11090	931	642	64	4.48	5.48		
		12200	892	542	61	4.96	6.05	Y160L-8	7.5
10	960	11350	2324	2200	63	11.63	13.65	Y180L-6	15
		14200	2432	2238	66	14.54	17.05	Y200L₁-6	18.5
		17050	2510	2230	67.5	17.60	20.70	Y200L₂-6	22
		19900	2549	2168	68	20.70	24.30	Y225S-6	30
		22750	2569	2071	67.5	24.00	28.20		
		25600	2569	1939	67	27.30	32.00	Y250M-6	37
		28400	2520	1744	64	31.10	36.60		
		31250	2412	1473	61	34.30	40.25		

9-35

机号 No	转速 Speed (r/min)	流量 Volume Flow (m³/h)	全壓 Total Pressure (Pa)	静壓 Static Pressure (Pa)	内效率 Efficiency (%)	内功率 Absorbed Power (kW)	所需功率 Required Power (kW)	配用电机 Suitable Motor 型号 Model	功率 Motor Rating (kW)
10	730	8650	1353	1281	63	5.16	6.07	Y160L-8	7.5
		10800	1412	1300	66	6.42	7.53	Y180L-8	11
		13000	1451	1288	67.5	7.77	9.12		
		15150	1480	1259	68	9.15	10.73		
		17300	1490	1202	67.5	10.60	12.45	Y200L-8	15
		19450	1490	1126	67	12.00	14.15		
		21600	1461	1012	64	13.70	16.10	Y225S-8	18.5
		23800	1402	857	61	15.20	17.84		
12	960	19620	3353	3174	63	29.00	34.10	Y250M-6	37
		24520	3501	3222	66	36.10	42.30	Y280S-6	45
		29420	3618	3216	67.5	43.80	51.40	Y280M-6	55
		34330	3677	3130	68	51.50	60.30	Y315S-6	75
		39230	3697	2983	67.5	59.70	70.00		
		44140	3697	2793	67	67.50	79.30	Y315M₁-6	90
		49040	3638	2522	64	77.50	91.00	Y315M₂-6	110
		53940	3481	2131	61	85.50	100.50		
	730	14920	1941	1838	63	12.78	14.95	Y200L-8	15
		18650	2020	1859	66	15.78	18.65	Y225M-8	22
		22380	2088	1856	67.5	19.20	22.55	Y250M-8	30
		26110	2128	1812	68	22.70	26.70		
		29840	2137	1724	67.5	26.28	30.80	Y280S-8	37
		33570	2137	1614	67	29.72	35.00		
		37300	2098	1453	64	34.00	39.90	Y280M-8	45
		41030	2010	1229	61	37.60	44.20		
13.5	960	27920	4236	4010	63	52.10	61.20	Y315S-6	75
		34900	4432	4079	66	65.10	76.40		
		41880	4570	4062	67.5	78.80	92.50	Y315M₂-6	110
		48860	4658	3967	68	93.00	109.00		
		55840	4677	3774	67.5	107.50	126.00	Y315L₂-6	132
		62820	4677	3534	67	122.00	143.20	Y355M₁-6	160
		69800	4599	3188	64	139.30	163.50	Y355M₂-6	185
		76780	4413	2706	61	154.00	181.30		
	730	21240	2451	2320	63	22.95	27.00	Y250M-8	30
		26550	2559	2355	66	28.60	33.60	Y280S-8	37
		31860	2647	2353	67.5	34.70	40.70	Y280M-8	45
		37170	2687	2287	68	40.75	47.90	Y315S-8	55
		42480	2706	2183	67.5	47.20	55.50		
		47790	2716	2055	67	53.60	63.00	Y315M₁-8	75
		53100	2657	1840	64	61.25	71.90		
		58410	2549	1561	61	67.70	79.60	Y315M₂-8	90
	580	16876	1547	1465	63	11.51	13.54	Y315S-10	45
		21095	1615	1486	66	14.34	16.85		
		25313	1671	1485	67.5	17.4	20.41		
		29532	1696	1443	68	20.44	24.02		
		33751	1708	1378	67.5	23.67	27.84		
		37970	1715	1297	67	26.88	31.6		
		42189	1677	1161	64	30.72	36.06		
		46408	1609	985	61	33.96	39.92		

9-35

機號 №	轉速 Speed (r/min)	流量 Volume Flow (m³/h)	全壓 Total Pressure (Pa)	靜壓 Static Pressure (Pa)	內效率 Efficiency (%)	內功率 Absorbed Power (kW)	所需功率 Required Power (kW)	配用電機 型號 Model	功率 Motor Rating (kW)
15.5	730	32160	3236	3064	63	45.85	53.90	Y315S-8	55
		40200	3383	3114	66	57.20	67.10	Y315M$_1$-8	75
		48240	3481	3093	67.5	69.20	81.30	Y315M$_2$-8	90
		56280	3550	3022	68	81.70	96.00	Y315L-8	110
		64320	3569	2879	67.5	94.50	111.00		
		72360	3569	2696	67	107.00	125.60	Y355M$_1$-8	132
		80400	3501	2424	64	122.00	143.00	Y355M$_2$-8	160
		88440	3363	2059	61	135.40	159.00		
	580	25600	2039	1930	63	23.00	27.10	Y315S-10	45
		32000	2137	1966	66	28.80	33.80		
		38400	2196	1950	67.5	34.70	40.75		
		44800	2245	1910	68	41.10	48.30	Y315M-10	55
		51200	2255	1818	67.5	47.50	55.80		
		57600	2255	1702	67	53.90	63.30	Y315L-10	75
		64000	2216	1533	64	61.50	72.30		
		70400	2126	1300	61	67.90	79.70		
18	730	50400	4364	4131	63	97	113.8		132
		63000	4560	4196	66	121	141.7		160
		75600	4707	4183	67.5	146.5	172		185
		88200	4785	4072	68	172.5	202.5		200
		100800	4815	3884	67.5	200	235		250
		113400	4815	3637	67	226	265.5		280
		126000	4726	3271	64	258.5	304		315
		138600	4530	2770	61	286	336		355
	580	40080	2755	2608	63	48.7	57.2		75
		50100	2883	2653	66	60.8	71.3		
		60120	2971	2640	67.5	73.5	86.2		90
		70140	3020	2569	68	86.8	101.8		110
		80160	3040	2451	67.5	100.2	117.5		132
		90180	3040	2295	67	113.5	133.1		160
		100200	2991	2071	64	130	152.6		
		110220	2863	1750	61	143.8	168.7		185
20	730	69200	5393	5105	63	164.5	193		200
		86500	5639	5189	66	205	240.8		250
		103800	5805	5157	67.5	248	291		315
		121100	5913	5031	68	293	344		355
		138400	5952	4800	67.5	339	398		400
		155700	5952	4494	67	384	451		450
		173000	5844	4045	64	439	516		500
		190300	5599	3422	61	485	570		560
	580	54960	3403	3221	63	82.4	96.8		110
		68700	3756	3472	66	108	126		132
		82440	3667	3258	67.5	124.3	146		160
		96180	3736	3180	68	146.7	172		185
		109920	3756	3030	67.5	169.8	199.5		200
		123660	3756	2837	67	192.2	225.5		250
		137400	3687	2552	64	220	258		280
		151140	3540	2167	61	243.5	285.5		

Y9-35

機號 №	轉速 Speed (r/min)	流量 Volume Flow (m³/h)	全壓 Total Pressure (Pa)	靜壓 Static Pressure (Pa)	內效率 Efficiency (%)	內功率 Absorbed Power (kW)	所需功率 Required Power (kW)	配用電機 型號 Model	功率 Motor Rating (kW)
6	1450	3710	1187	1124	63	1.94	2.58	Y112M-4	4
		4640	1242	1143	66	2.43	3.23		
		5570	1278	1135	67.5	2.93	3.90	Y132S-4	5.5
		6500	1303	1108	68	3.46	4.60		
		7430	1309	1055	67.5	4.00	5.32		
		8360	1309	987	67	4.54	6.04	Y132M-4	7.5
		9290	1291	893	64	5.21	6.93		
		10220	1235	754	61	5.75	7.65		
	960	2460	517	489	63	0.56	0.74	Y100L-6	1.5
		3070	541	498	66	0.70	0.93		
		3690	560	497	67.5	0.85	1.13		
		4300	572	487	68	1.00	1.33		
		4910	572	461	67.5	1.16	1.54	Y112M-6	2.2
		5530	572	431	67	1.31	1.74		
		6140	566	392	64	1.51	2.01		
		6750	541	331	61	1.66	2.21		
8	1450	8776	2101	1989	63	8.13	10.82	Y180M-4	18.5
		10981	2192	2016	66	10.13	13.44		
		13171	2281	2028	67.5	12.37	16.4		
		15376	2304	1959	68	14.47	19.19	Y180L-4	22
		17566	2327	1877	67.5	16.82	22.33		
		19756	2327	1758	67	19.06	25.22	Y200L-4	30
		21961	2281	1578	64	21.74	28.88		
		24167	2192	1340	61	24.12	32.05		
	960	5810	921	872	63	2.36	3.14	Y132M$_1$-6	4
		7270	961	884	66	2.94	3.9		
		8720	1000	889	67.5	3.59	4.76	Y160M-6	7.5
		10180	1020	859	68	4.2	5.57		
		11630	1020	823	67.5	4.88	6.48		
		13080	1020	771	67	5.53	7.32		
		14540	1000	692	64	6.31	8.38	Y160L-6	11
		16000	961	588	61	7	9.3		
	730	4430	539	510	63	1.05	1.4	Y132M-8	3
		5540	558	513	66	1.33	1.73		
		6650	578	514	67.5	1.58	2.1		
		7760	588	500	68	1.865	2.47		
		8870	588	473	67.5	2.145	2.85	Y160M$_1$-8	4
		9980	588	443	67	2.43	3.23		
		11090	578	399	64	2.78	3.69		
		12200	558	341	61	3.11	4.12		
10	960	11350	1451	1374	63	7.31	9.7	Y160L-6	11
		14200	1510	1390	66	9.04	12	Y180L-6	15
		17050	1559	1385	67.5	10.93	14.5		
		19900	1588	1351	68	12.9	17.1	Y200L$_1$-6	18.5
		22750	1598	1289	67.5	14.95	19.85	Y200L$_2$-6	22
		25600	1598	1207	67	16.95	22.5	Y225M-6	30
		28400	1569	1087	64	19.35	25.7		
		31250	1500	917	61	21.3	28.3		

Y9-35

機號 Nº	轉速 Speed (r/min)	流量 Volume Flow (m³/h)	全壓 Total Pressure (Pa)	靜壓 Static Pressure (Pa)	內效率 Efficiency (%)	內功率 Absorbed Power (kW)	所需功率 Required Power (kW)	配用電機 Suitable Motor 型號 Model	功率 Motor Rating (kW)
10	730	8650	843	798	63	3.21	4.26	Y160M₂-8	5.5
		10800	872	802	66	3.97	5.27	Y160L-8	7.5
		13000	902	801	67.5	4.83	6.4		
		15150	921	784	68	5.7	7.54	Y180L-8	11
		17300	921	742	67.5	6.56	8.7		
		19450	921	695	67	7.43	9.85		
		21600	912	633	64	8.55	11.35	Y200L-8	15
		23800	872	534	61	9.45	12.55		
12	960	19620	2079	1968	63	18	23.9	Y225M-6	30
		24520	2177	2004	66	22.46	29.8		
		29420	2245	1996	67.5	27.2	36.1	Y250M-6	37
		34330	2285	1946	68	32.05	42.5	Y280S-6	45
		39230	2294	1851	67.5	37.1	49.3	Y280M-6	55
		44140	2294	1733	67	41.9	55.6		
		49040	2255	1562	64	48	63.7	Y315S-6	75
		53940	2167	1329	61	53.2	70.7		
	730	14920	1206	1142	63	7.93	10.53	Y200L-8	15
		18650	1255	1155	66	9.85	13.05		
		22380	1294	1150	67.5	11.9	15.8	Y225S-8	18.5
		26110	1323	1127	68	14.13	18.8	Y225M-8	22
		29840	1323	1067	67.5	16.25	21.6		
		33570	1323	998	67	18.4	24.4	Y250M-8	30
		37300	1304	903	64	21.1	27.9		
		41030	1245	760	61	23.3	30.9		
13.5	960	27920	2638	2498	63	32.5	43.1	Y280S-6	45
		34900	2755	2536	66	40.5	53.5	Y280M-6	55
		41880	2834	2519	67.5	48.8	64.8	Y315S-6	75
		48860	2893	2464	68	57.8	76.7		
		55840	2912	2351	67.5	67	88.4	Y315M₁-6	90
		62820	2912	2202	67	75.9	100.5	Y315M₂-6	110
		69800	2853	1977	64	86.5	115	Y315L-6	132
		76780	2736	1676	61	95.6	127		
	730	21240	1520	1439	63	14.23	18.9	Y225M-8	22
		26550	1588	1461	66	17.75	23.53	Y250M-8	30
		31860	1647	1464	67.5	21.6	28.7		
		37170	1676	1428	68	25.45	33.8	Y280S-8	37
		42480	1686	1362	67.5	29.4	39	Y280M-8	45
		47790	1686	1275	67	33.4	44.3		
		53100	1657	1150	64	38.2	50.7	Y315S-8	55
		58410	1578	965	61	42	55.7		
	580	16876	960	909	63	7.14	9.48	Y315S-10	45
		21095	1002	922	66	8.9	11.8		
		25313	1040	925	67.5	10.83	14.39		
		29532	1058	901	68	12.76	16.95		
		33751	1064	859	67.5	14.75	19.56		
		37970	1064	805	67	16.75	22.22		
		42189	1046	726	64	19.16	25.43		
		46408	996	609	61	21.07	27.94		

Y9-35

機號 Nº	轉速 Speed (r/min)	流量 Volume Flow (m³/h)	全壓 Total Pressure (Pa)	靜壓 Static Pressure (Pa)	內效率 Efficiency (%)	內功率 Absorbed Power (kW)	所需功率 Required Power (kW)	配用電機 Suitable Motor 型號 Model	功率 Motor Rating (kW)
15.5	730	32160	2010	1903	63	28.5	37.8	Y280M-8	45
		40200	2098	1931	66	35.5	47.1	Y315S-8	55
		48240	2167	1926	67.5	43	57.3	Y315M₁-8	75
		56280	2206	1878	68	50.75	67.4		
		64320	2216	1788	67.5	58.6	77.8	Y315M₂-8	90
		72360	2216	1674	67	66.5	88.2		
		80400	2177	1508	64	76	101.7	Y315L-8	110
		88440	2088	1279	61	84	111.5		
	580	25600	1265	1197	63	14.27	18.9	Y315S-10	45
		32000	1323	1217	66	17.85	23.7		
		38400	1363	1210	67.5	21.54	28.6		
		44800	1392	1184	68	25.5	33.8		
		51200	1402	1131	67.5	29.55	39.3		
		57600	1402	1059	67	33.5	44.5		
		64000	1372	948	64	38.1	50.6	Y315M-10	55
		70400	1314	801	61	42.1	55.9		
18	730	50400	2706	2561	63	60.2	79.9		90
		63000	2824	2598	66	75	99.5		110
		75600	2922	2597	67.5	91	120.6		132
		88200	2971	2528	68	107	142		160
		100800	2991	2413	67.5	124	164.5		185
		113400	2991	2259	67	140.5	186.5		
		126000	2942	2039	64	161	215		220
		138600	2814	1721	61	177.5	235.5		250
	580	40080	1716	1625	63	30.35	40.3		45
		50100	1784	1641	66	37.6	49.9		55
		60120	1843	1637	67.5	45.6	60.6		75
		70140	1873	1593	68	53.65	71.3		
		80160	1892	1526	67.5	62.4	82.8		90
		90180	1892	1429	67	70.7	94		110
		100200	1853	1282	64	80.6	106.8		
		110220	1775	1084	61	89.1	118.3		132
20	730	69200	3344	3165	63	102	135.3		160
		86500	3501	3222	66	127.5	169		185
		103800	3608	3206	67.5	154	204.5		220
		121100	3677	3130	68	182	241		250
		138400	3697	2982	67.5	210	280		280
		155700	3697	2792	67	239	317		315
		173000	3628	2511	64	273	361		355
		190300	3481	2129	61	301	400		400
	580	54960	2118	2005	63	51.25	68		75
		68700	2206	2030	66	63.8	84.8		90
		82440	2275	2021	67.5	77.2	102.5		110
		96180	2324	1979	68	91.3	121.2		132
		109920	2334	1883	67.5	105.5	140		160
		123660	2334	1763	67	119.5	158.6		
		137400	2294	1589	64	137	181.5		185
		151140	2196	1343	61	151	200.8		200

九、外形与安装尺寸（C式）FIGURATIONS AND DIMENSIONS (Type C)

右 (CW) 45°　右 (CW) 135°　右 (CW) 225°
右 (CW) 0°　右 (CW) 90°　右 (CW) 180°

右 180°、225° 底架基础图
右 0°、45°、90°、135° 底架基础图

外形及安装尺寸 Figurations and Dimensions (Type C)

代号 机号	E	F	G	K	M	N	P	n3-φd3	b	j	h	H 0°	45°	90°	135°	180°	225°	n1-φd1	ΦD1	ΦD2	ΦD3	n2-φd2	A1	m1×k1=A2	A3	A4	m2×k2=A5	A6
6C	215.5	420	483	423	365	25	24	6-φ18.5	600	280	20	623	593	563	533	503	473	8-φ12	450	500	540	14-φ13	350	4×98=392	430	225	3×90=270	305
8C	255	560	646	566	486	64.5	32	5-φ18.5	790	375	20	826	786	746	706	666	626	12-φ12	560	620	660	20-φ13	468	6×85=510	548	300	4×87=348	380
10C	290.5	700	806	706	607.5	100	40	5-φ18.5	970	465	20	1006	956	906	856	806	756	16-φ12	710	770	810	24-φ13	585	7×90=630	675	375	5×86=430	465
12C	382	840	966	846	729	139.5	48	5-φ24	1160	555	25	1226	1166	1106	1046	986	926	16-φ15	900	970	1020	30-φ13	702	9×83=747	792	450	6×84=504	540
13.5C	411	945	1088.5	953.5	820.5	169	54	5-φ24	1300	625	25	1363.5	1296	1228.5	1161	1093.5	1026	16-φ15	1000	1070	1120	24-φ15	790	7×124=868	910	506	5×118=590	626
15.5C	446.5	1095	1248.5	1093.5	942.5	206.5	62	5-φ24	1490	720	25	1563.2	1486	1408.5	1331	1253.5	1176	20-φ15	1120	1190	1240	24-φ15	906	7×140=980	1026	582	5×132=660	702

外形与安装尺寸(D式) FIGURATIONS AND DIMENSIONS (type D)

右 (CW) 45°　右 (CW) 135°　右 (CW) 225°
右 (CW) 0°　右 (CW) 90°　右 (CW) 180°

Ld 为电机长

外形及安装尺寸(D式) Figurations and Dimensions

代号 机号	E	F	G	K	M	N	P	n3-φd3	b	j	h	L	n×L1=L2	H 0°	45°	90°	135°	180°	225°	n1-φd1	ΦD1	ΦD2	ΦD3	n2-φd2	A1	m1×k1=A2	A3	A4	m2×k2=A5	A6
60	215.5	420	483	423	365	25	24	6-φ18.5	600	280	20	1300	2×550=1100	623	593	563	533	503	473	8-φ12	450	500	540	14-φ13	350	4×98=392	430	225	3×90=270	305
80	255	560	646	566	486	64.5	32	5-φ18.5	790	375	20	1700	2×275=1500	826	786	746	706	666	626	12-φ12	560	620	660	20-φ13	468	6×85=510	548	300	4×87=348	380
100	290.5	700	806	706	607.5	100	40	6-φ18.5	970	465	20	2100	2×950=1900	1006	956	906	856	806	756	16-φ12	710	770	810	24-φ13	585	7×90=630	675	375	5×86=430	465
120	382	840	966	846	729	139.5	48	6-φ24	1160	555	25	2400	2×1200=2400	1226	1166	1106	1046	986	926	16-φ15	900	970	1020	30-φ13	702	9×83=747	792	450	6×84=504	540
13.50	411	945	1088.5	5953.5	820.5	169	54	8-φ24	1300	625	25	2900	3×900=2700	1363.5	1296	1228.5	1161	1093.5	1026	16-φ15	1000	1070	1120	24-φ15	790	7×124=868	910	506	5×118=590	626
15.50	446.5	1095	1248.5	5093.5	5942.5	206.5	62	8-φ24	1490	720	25	2864	3×900=2700	1563.5	1486	1408.5	1331	1253.5	1176	20-φ15	1120	1190	1240	24-φ15	906	7×140=980	1026	582	5×132=660	702