HEAVY-DUTY FANS

D T-1000 Series

TURBO FANS

透浦送風機

Castle Blower, Inc.

About us

We have devoted ourselves in designing and manufacturing fans and blowers for industrial usages. Features of our fans and blowers include: high efficiency, low vibration, low noise, long life, and low running cost. The experiences of solving all types of problems that our clients had encountered have enriched our knowledge and capability.

DT Series fans are designed for industrial processes, dust collecting, pneumatic conveying and air conditioning. We also design other fans and blowers according to your specific requests. DT Series are excellent and best choice for your process solution.

Designs & Constructions

Gas Delivered

Air, Steam, Gas and Fume that is hot, erosive, corrosive, dust-content, explosive and toxic gas

Materials

Carbon Steel, Heat-Resistant Steel, Stainless Steel, Titanium, Nickel and other alloys,
Corrosion-Resistant Coating: Rubber and Fiber-glass
Wear-Resistant Treatment: Liner, Ceramic, Beads of Weld, and Spray Coating

Tightness

Standard: no special requirements for gas conveying under general conditions
Gas-Tight: used when the gas delivered shall not leak

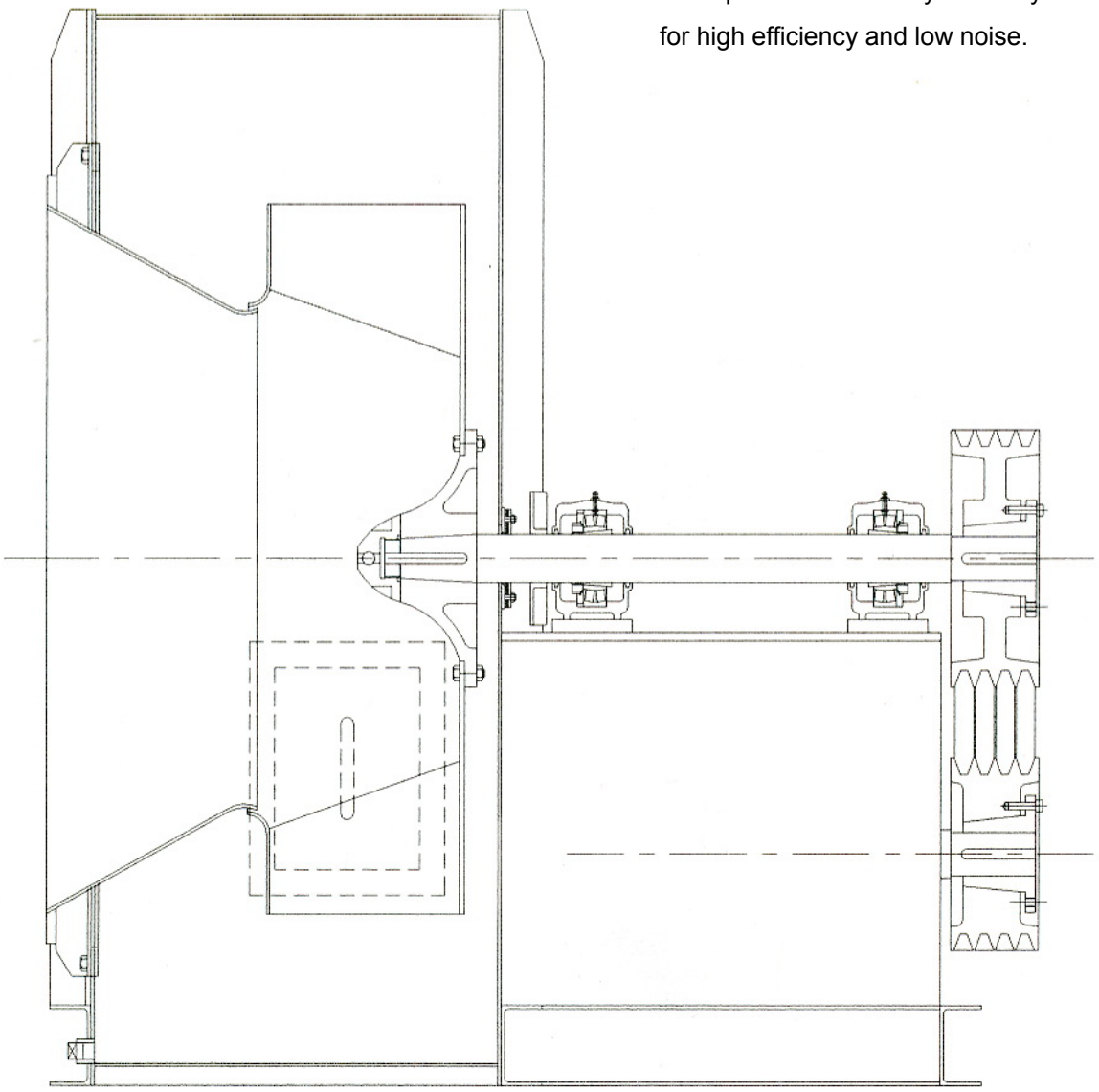
Seals

V-Ring Seal, Multi-plate Seal, Labyrinth Seal, Gland Packing Seal, Mechanical Seal, Water Seal

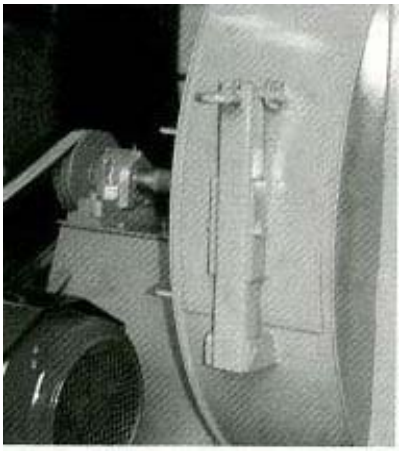
DT-1300S : with sound absorption material, and effectively reduces the noise.

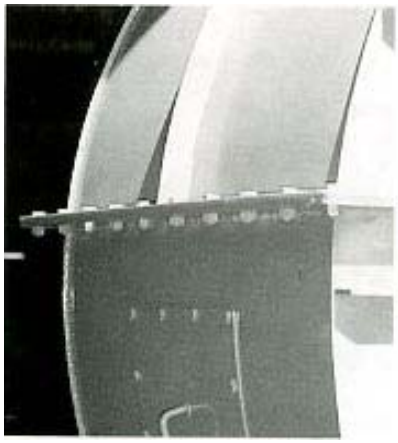
Designs & Constructions

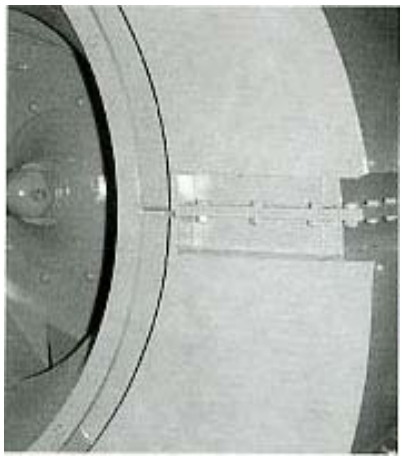
- ✓ All impellers are aerodynamically designed for high efficiency and low noise.

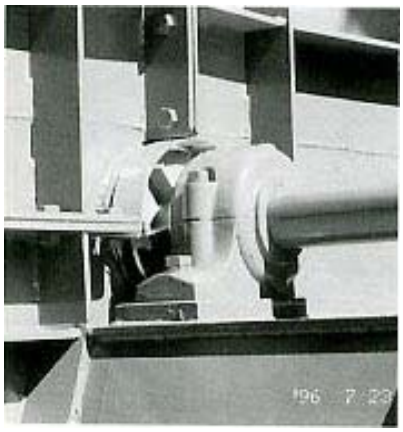


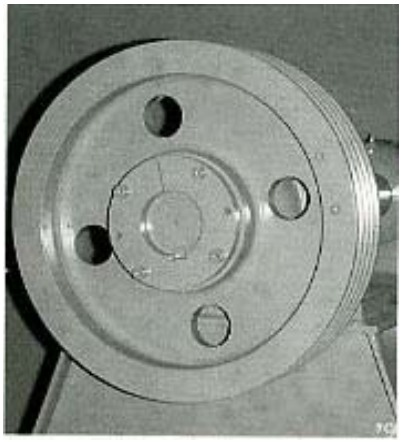
- ✓ A manhole and drain-hole are standard accessories. It is encased in a casing with smooth interior to ensure smooth airflow, and very convenient to check and clean the impeller.
- ✓ Located at top of a fan/blower, the hanging hook, fabricated from a complete steel sheet, is suitable for hanging in all directions and will not be deformed due to varied hanging direction.











- ✓ With precise and solid outside welding, the seams of scroll casing are free from moisture seepage and rusting corrosion.
- ✓ A unique design of inlet cone solves ineffective circular flow within the casing to improve efficiency and reduce noise
- ✓ The rotating elements are dynamically balanced by “HOFFMANN” computer balancing machines.
- ✓ The inlet cone and impeller is connected by insertion which ensures smooth airflow, back-stream and low noise.
- ✓ The entire series are fitted with tapered sleeve V-belt, featuring precise center alignment, easy dismantling and reloading of the conveyor pulley without requiring a puller.
- ✓ The connection of impeller and shaft uses tapered shaft configuration that ensures tight fit, precise center alignment and easy dismantling and reloading.
- ✓ The coupling of fan/blower operates on a tapered sleeve, featuring precise center alignment, easy dismantling and reloading without requiring a puller.
- ✓ The entire series of fan/blower are fitted with Sweden-imported SKF bearings.
- ✓ The entire series are fitted with German-imported “Opti-belt”, high tensile V-belt featuring long life time and strong transmission horsepower.

Technical Data

Terminology

Capacity:	Capacity at inlet condition
Static pressure:	Outlet pressure of blower (at inlet STP of air)
Power (HP):	Motor rated required at the point of capacity and static pressure
STP:	20 °C, 1atm, RH = 65% (γ=1.2kg/m^3 for Air)
NTP:	0 °C, 1atm, RH = 0% (γ=1.293kg/m^3 for Air)
ηmax:	The highest efficiency point

Conversion

Capacity in this catalogue is the inlet capacity.

Static Pressure is the outlet pressure (Inlet gas is STP air).

If the operation specifications differ from the above conditions, please convert according to the following formulas.

Capacity (Q):

When Capacity is Q_N (NTP) condition, please convert it into Q (STP).

$$Q = Q_N \times \frac{273 + T_1}{273} \times \frac{10332}{P_1 - 0.378\varphi Psat} \left(m^3/min\right)$$

Q(m^3/min):	Capacity showing in this catalogue
Q_N(Nm^3/min):	Capacity at NTP condition
t_1(°C):	The temp at the inlet of a blower

Static Pressure (Ps):

1. When the temp of the suction is not at 20°C,

$$P_S = P_{SO} \times \frac{273 + t_1}{293} (mmAq)$$

2. When Ps is at vacuum (suction) condition,

$$P_S = P_{SO} \times \frac{10332}{10332 - P_{SO}} (mmAq)$$

Ps(mmAq):	Static Pressure showing in this catalogue
Pso(mmAq):	Operating Static Pressure
P_1(mmAq):	Inlet absolute pressure
φ(%):	Relative humidity
Psat(mmAq)	Saturated vapor pressure

Blower Similarity Laws

$$\frac{Q_2}{Q_1} = \frac{N_2}{N_1}$$

$$\frac{P_{S2}}{P_{S1}} = \left(\frac{N_2}{N_1}\right)^2 = \frac{\gamma_2}{\gamma_1}$$

$$\frac{HP_2}{HP_1} = \left(\frac{N_2}{N_1}\right)^3 = \frac{\gamma_2}{\gamma_1}$$

Q:	Capacity
Ps:	Static Pressure
HP:	Power
N:	RPM of a blower
γ:	Gas Density

Model Instruction

There are 11 models in DT-1000 series single suction fans:

DT-1000S ~ DT-2000S

Selection Procedure:

1. Choose the most suitable model by Capacity and Static Pressure.
2. Choose the right RPM
3. Motor rated = BHP x 1.15~1.20

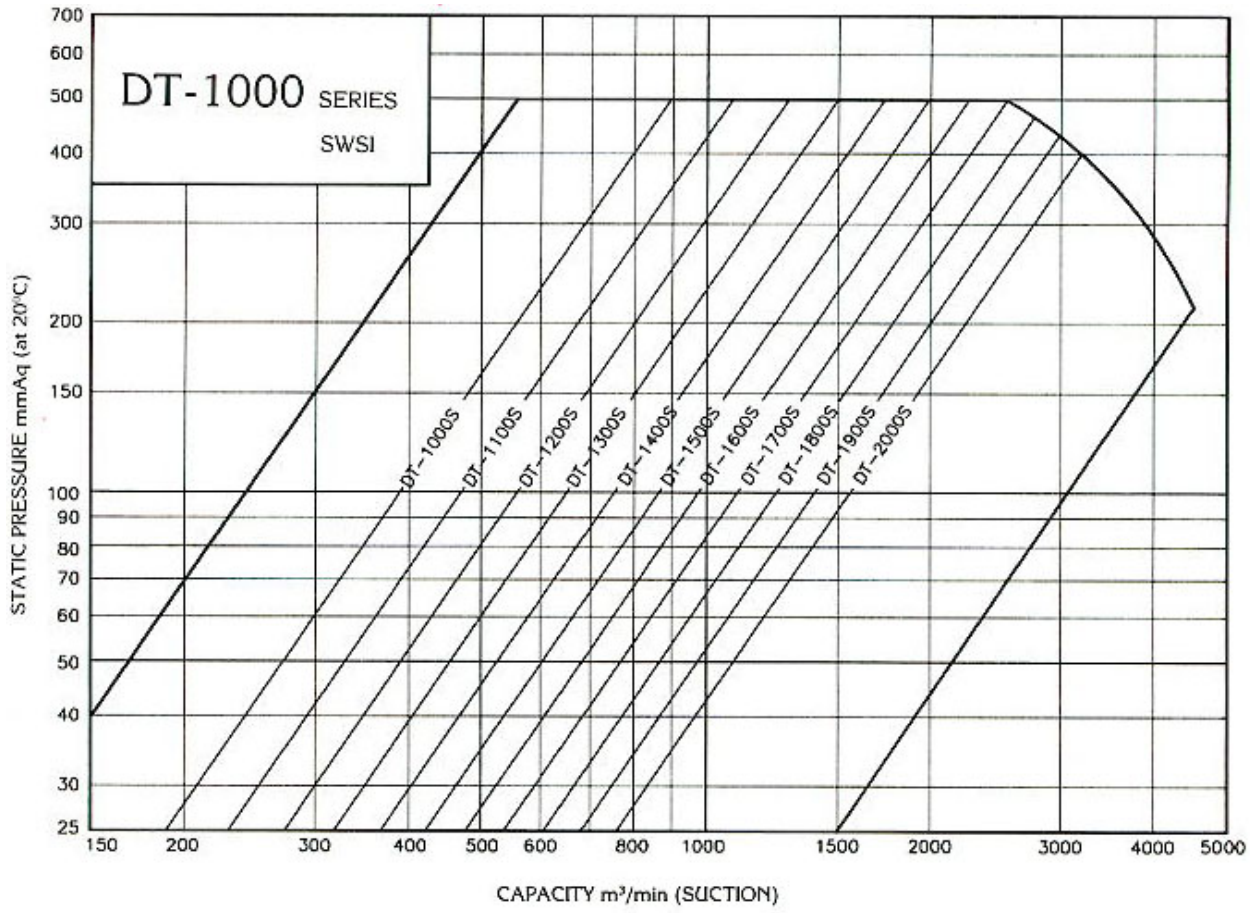
Example:

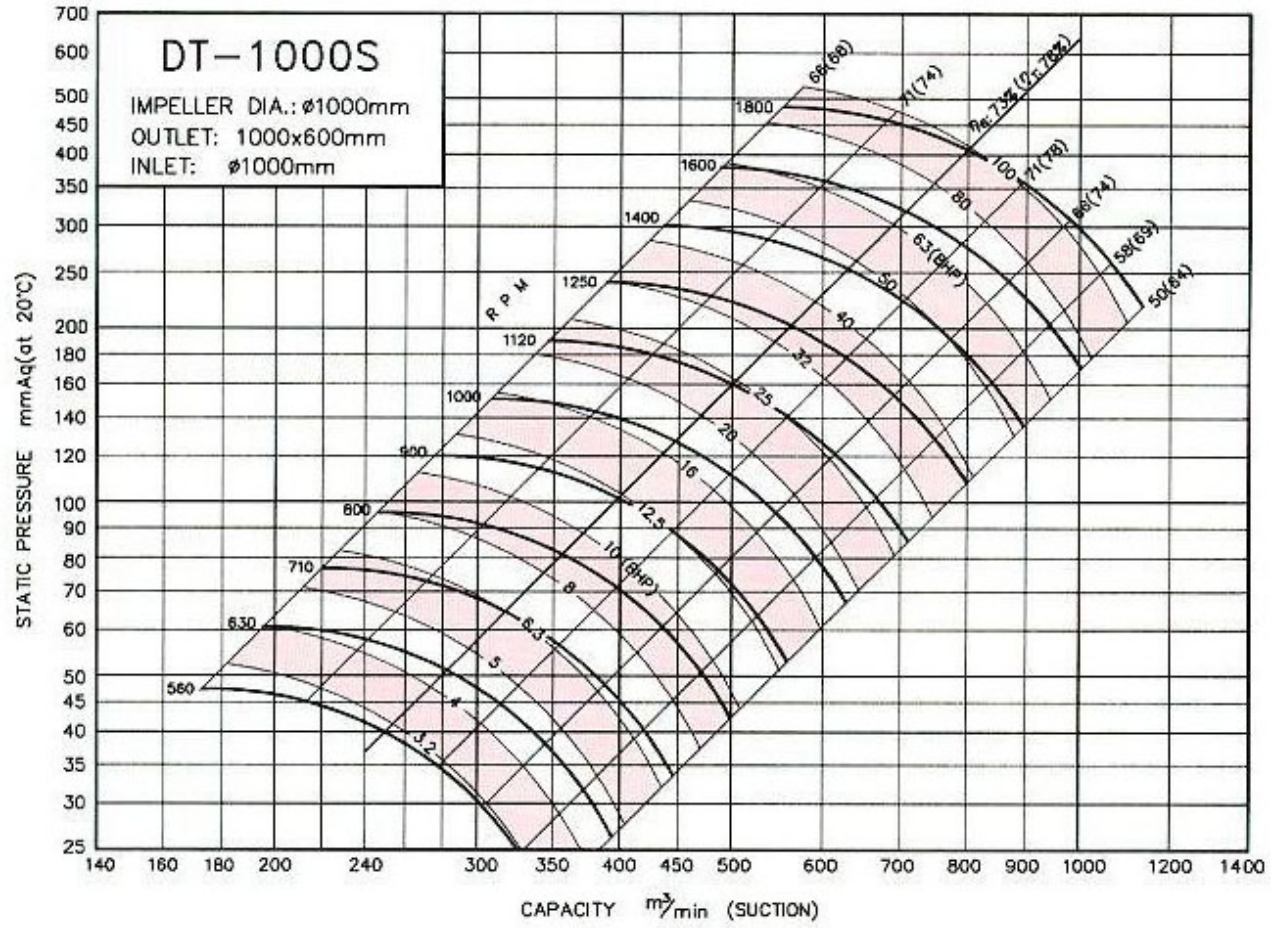
Under STP Condition, Q = 1450 m^3/min, Ps = 250 mmAq

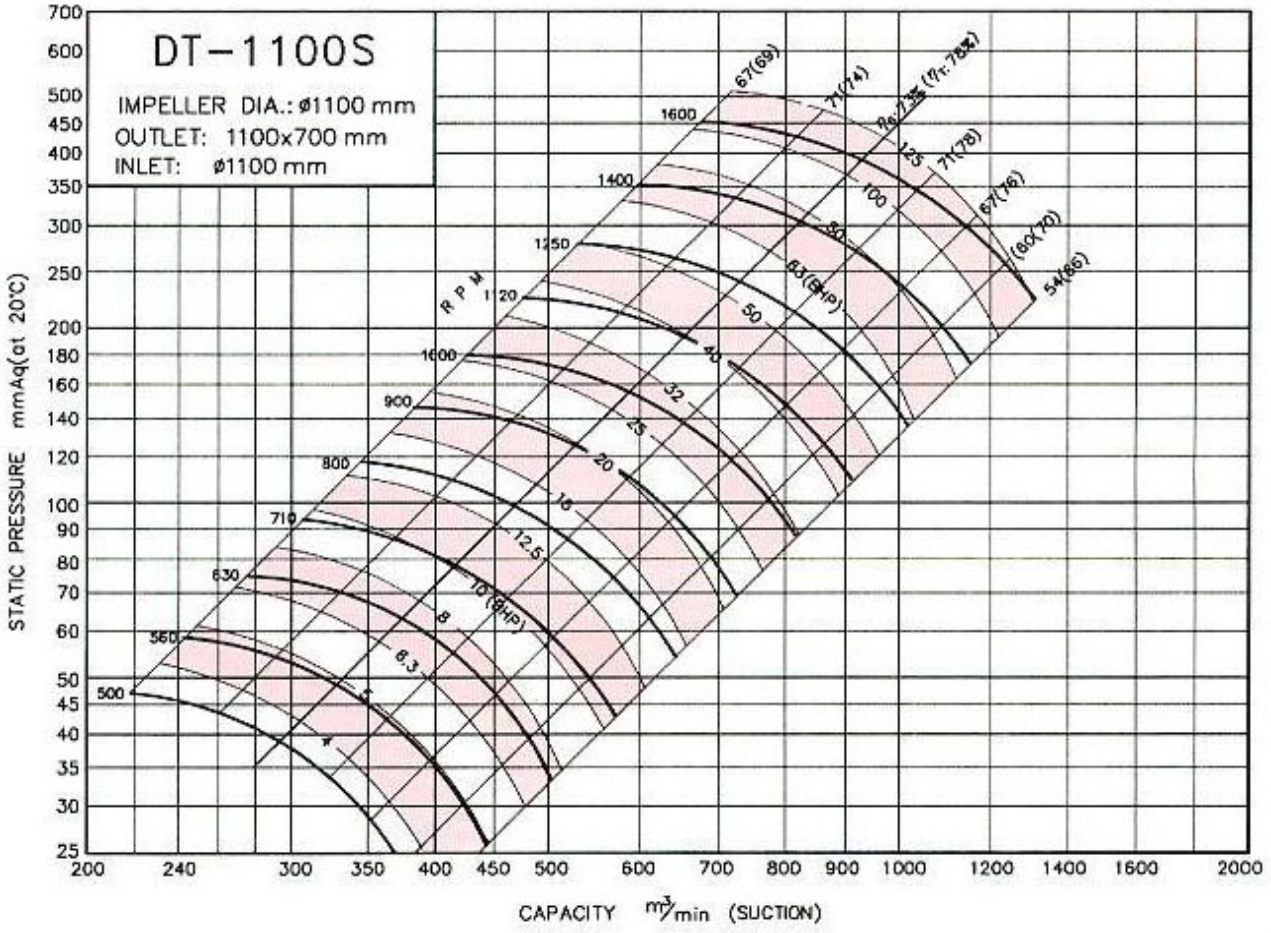
Model	RPM	BHP	Motor rated	Unit Price	Running Cost
DT-1600S	1200RPM	117HP	117HPx1.15=135HP →150HP	Lower	Higher
DT-1500S	950RPM	107HP	107HPx1.15=123HP →125HP	Higher	Lower

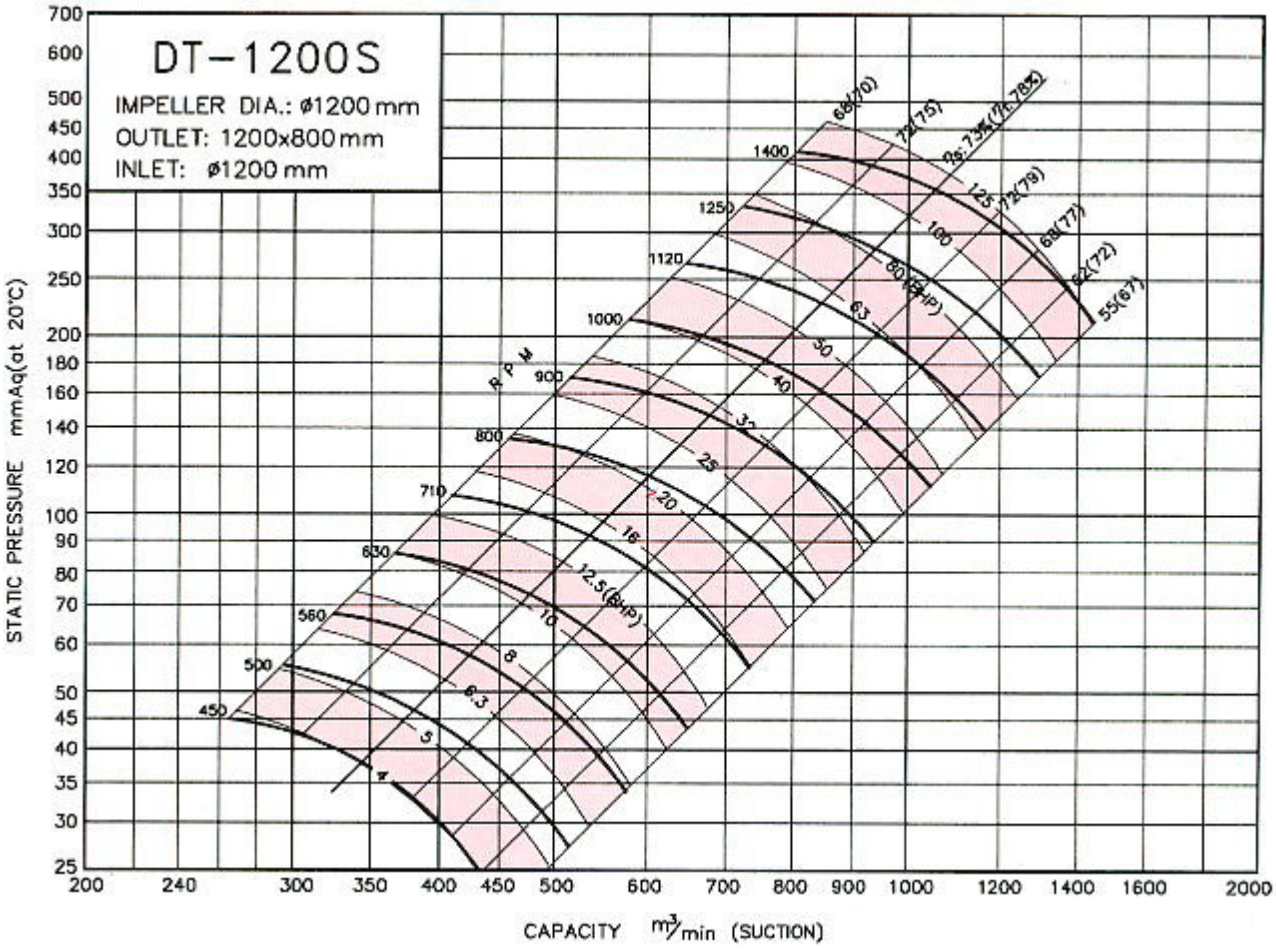
Therefore, Model B is more economical in a long term.

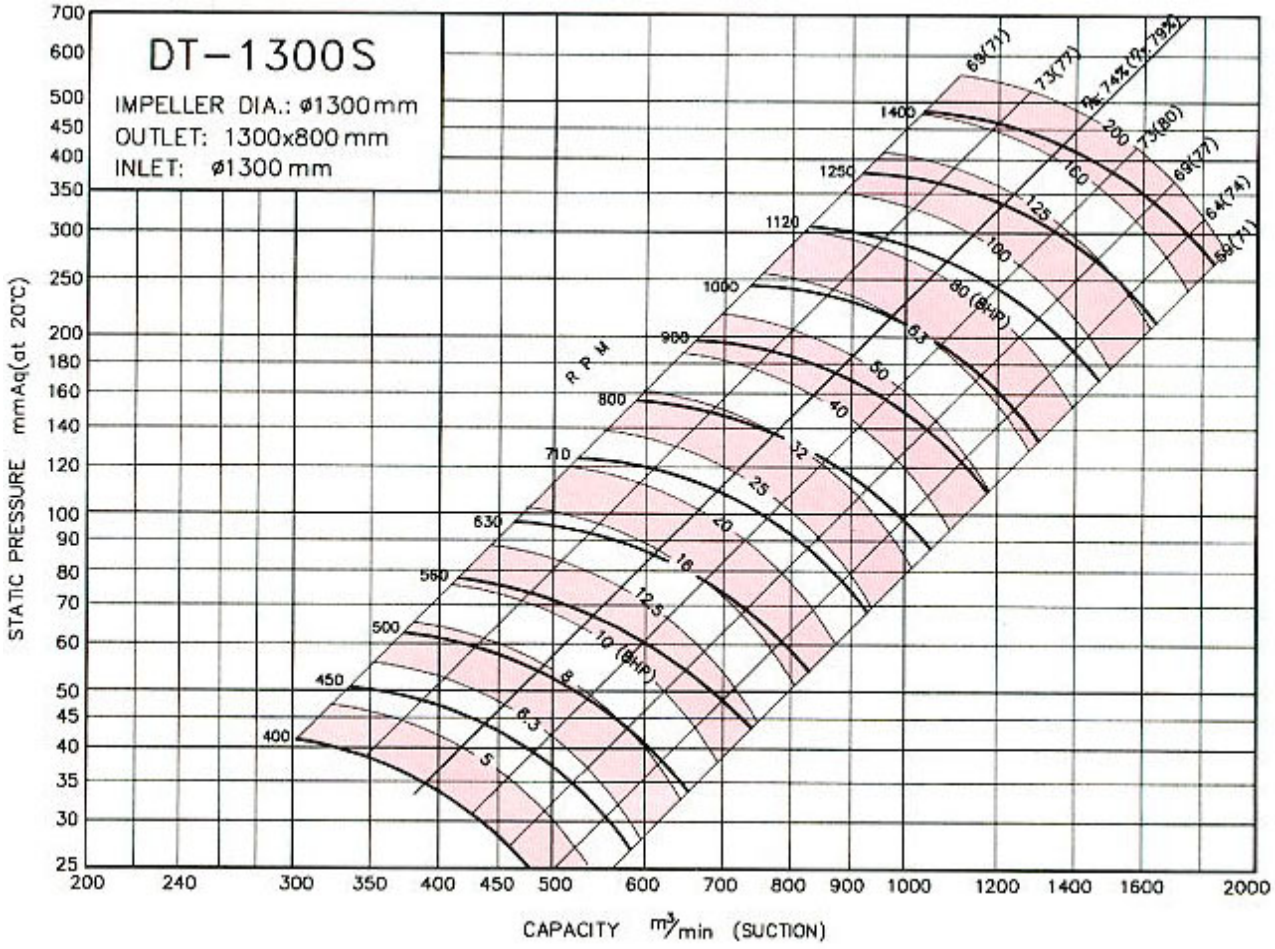
General Performance

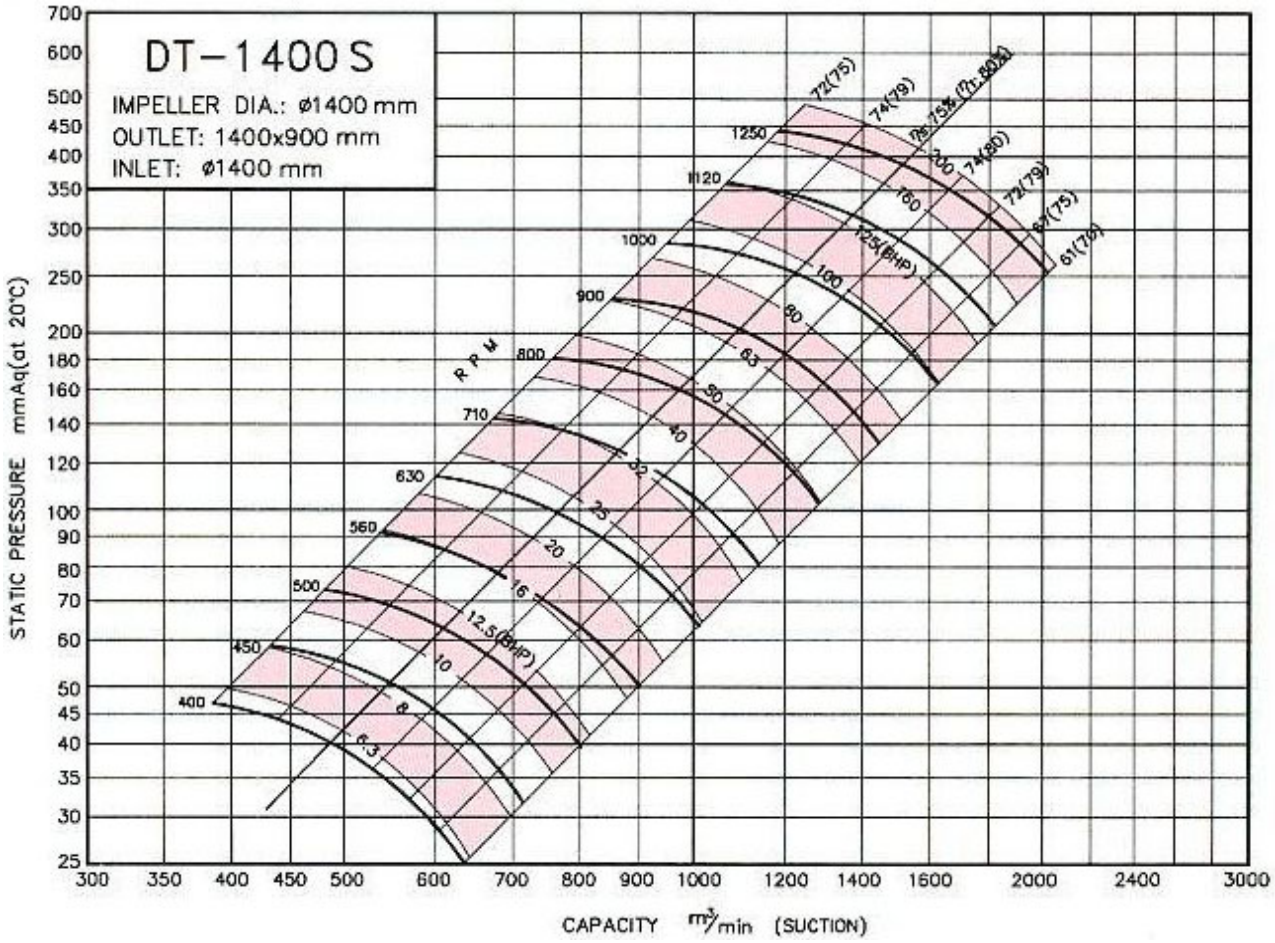


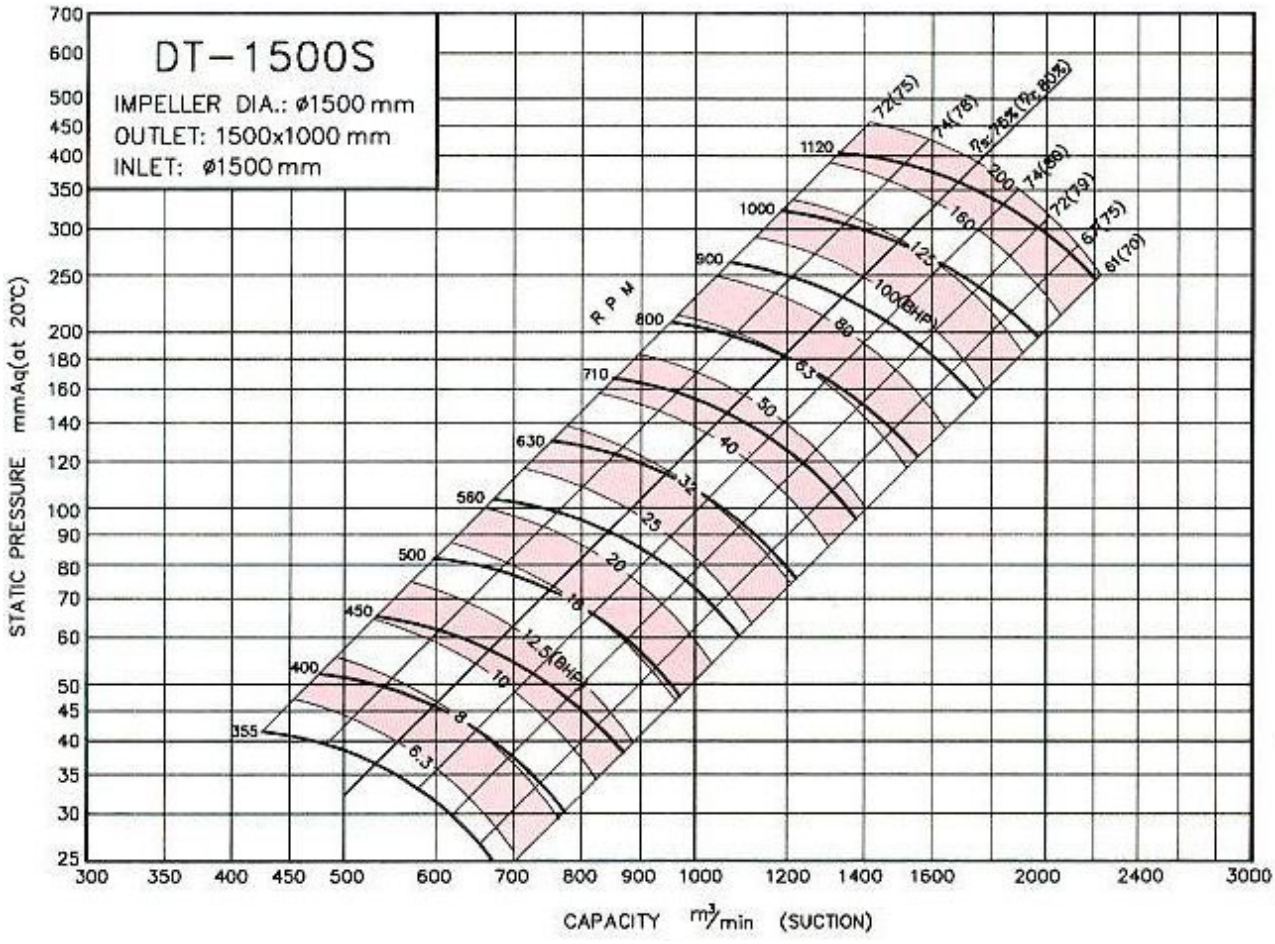

DT−1000S
IMPELLER DIA.: ø1000mm
OUTLET: 1000x600mm
INLET: ø1000mm
STATIC PRESSURE mmAq(at 20℃)
CAPACITY m³/min (SUCTION)
R P M
1800
1600
1400
1250
1120
1000
900
800
710
630
560
63(85HP)
10(13HP)
66(74)
58(65)
50(64)

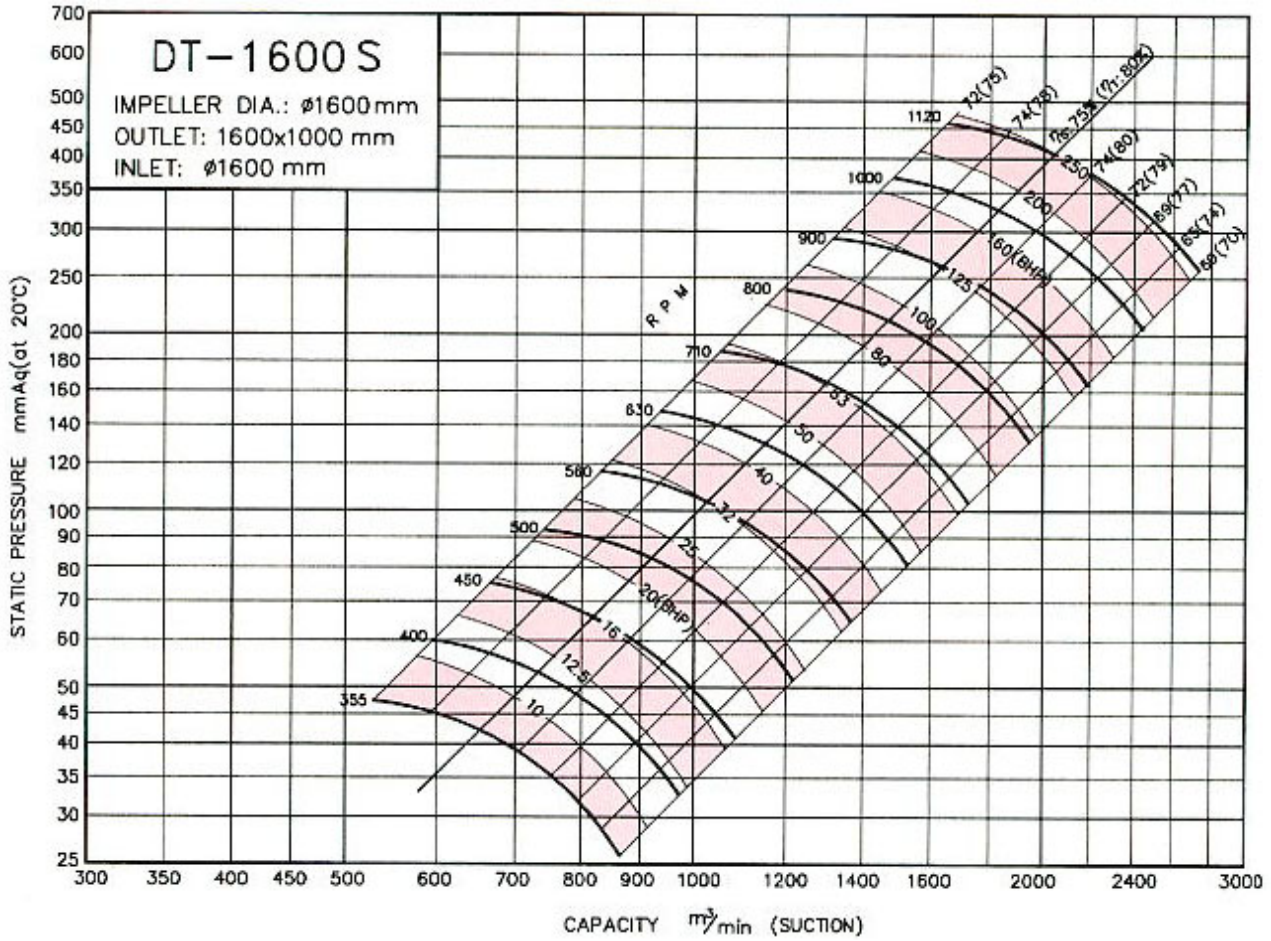

DT−1100S
IMPELLER DIA.: ø1100 mm
OUTLET: 1100x700 mm
INLET: ø1100 mm
STATIC PRESSURE mmAq(at 20℃)
CAPACITY m³/min (SUCTION)
R P M
1600
1400
1250
1120
1000
900
800
710
630
560
500
63(85HP)
10(13HP)
67(76)
(60(70)
54(65)

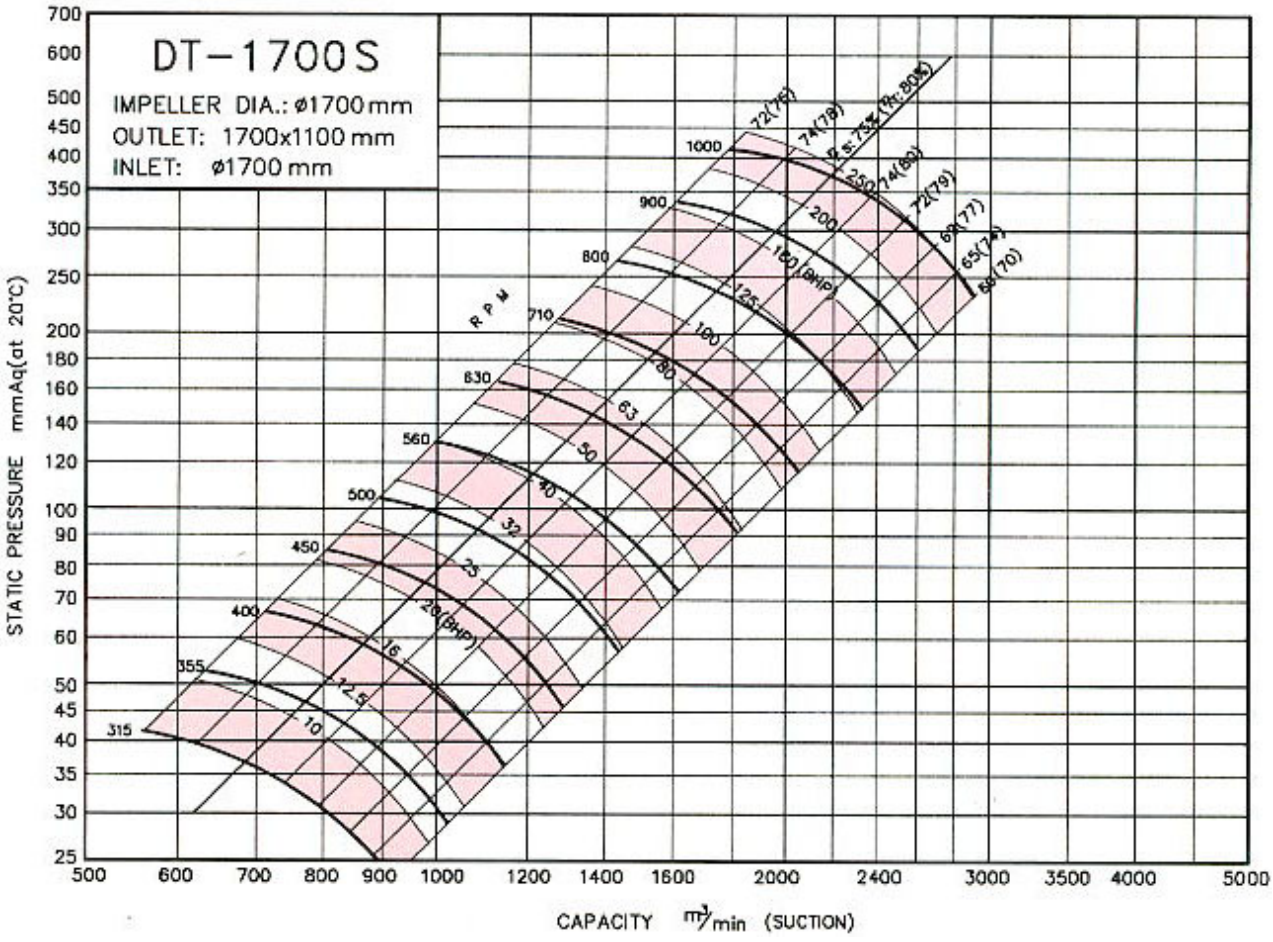

DT-1200S
IMPELLER DIA.: ø1200 mm
OUTLET: 1200x800 mm
INLET: ø1200 mm
STATIC PRESSURE mmAq(at 20°C)
CAPACITY m³/min (SUCTION)
R.P.M
68(70)
73(75)
75%(77%)(78%)
72(78)
68(77)
62(72)
55(67)
80(BHP)
12.5(BHP)
10(BHP)

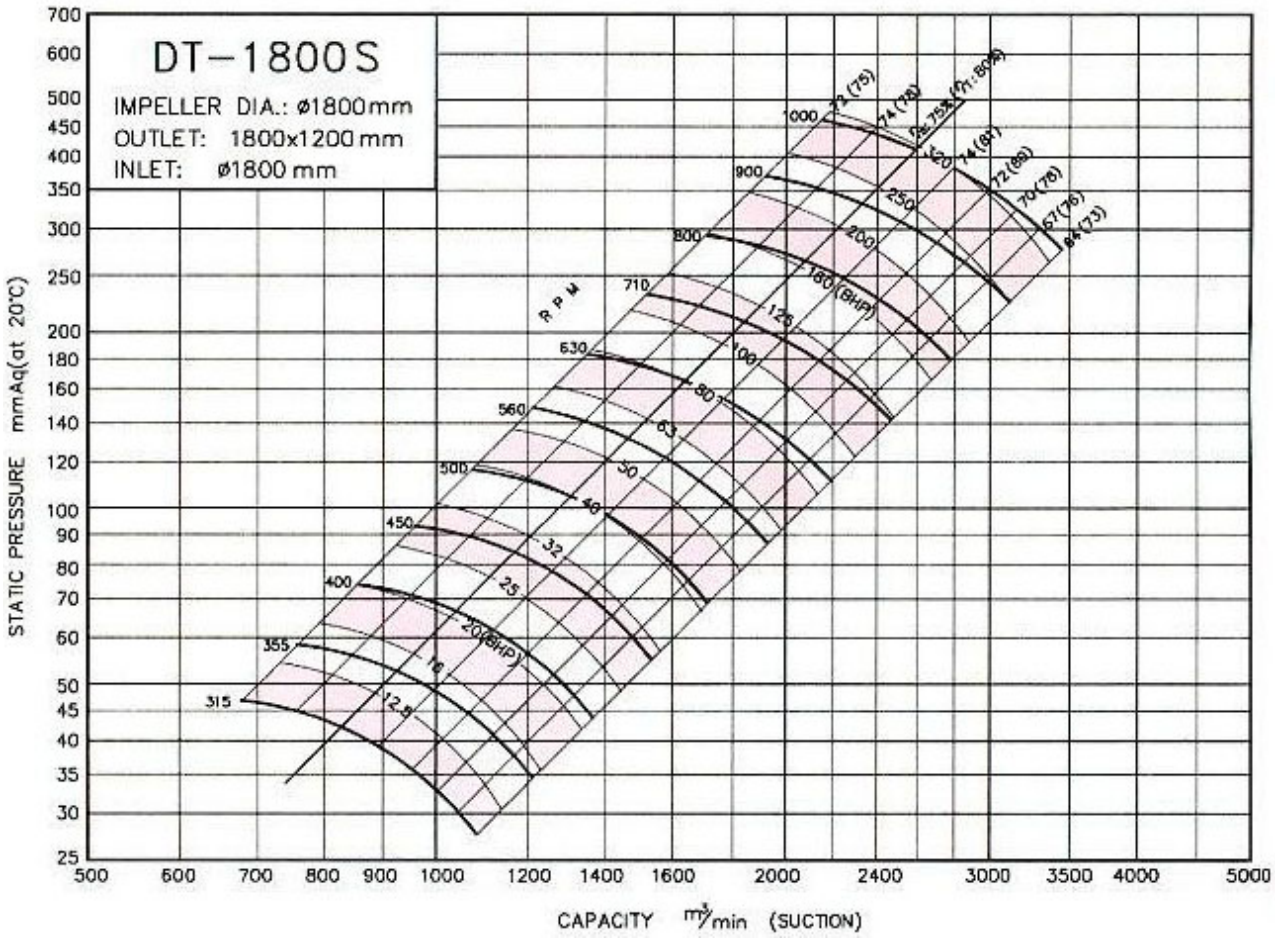

DT-1300S
IMPELLER DIA.: ø1300 mm
OUTLET: 1300x800 mm
INLET: ø1300 mm
STATIC PRESSURE mmAq(at 20°C)
CAPACITY m³/min (SUCTION)
R.P.M
69(71)
73(77)
74%(79%)
73(80)
69(77)
64(74)
56(71)
80(BHP)
12.5
10(BHP)

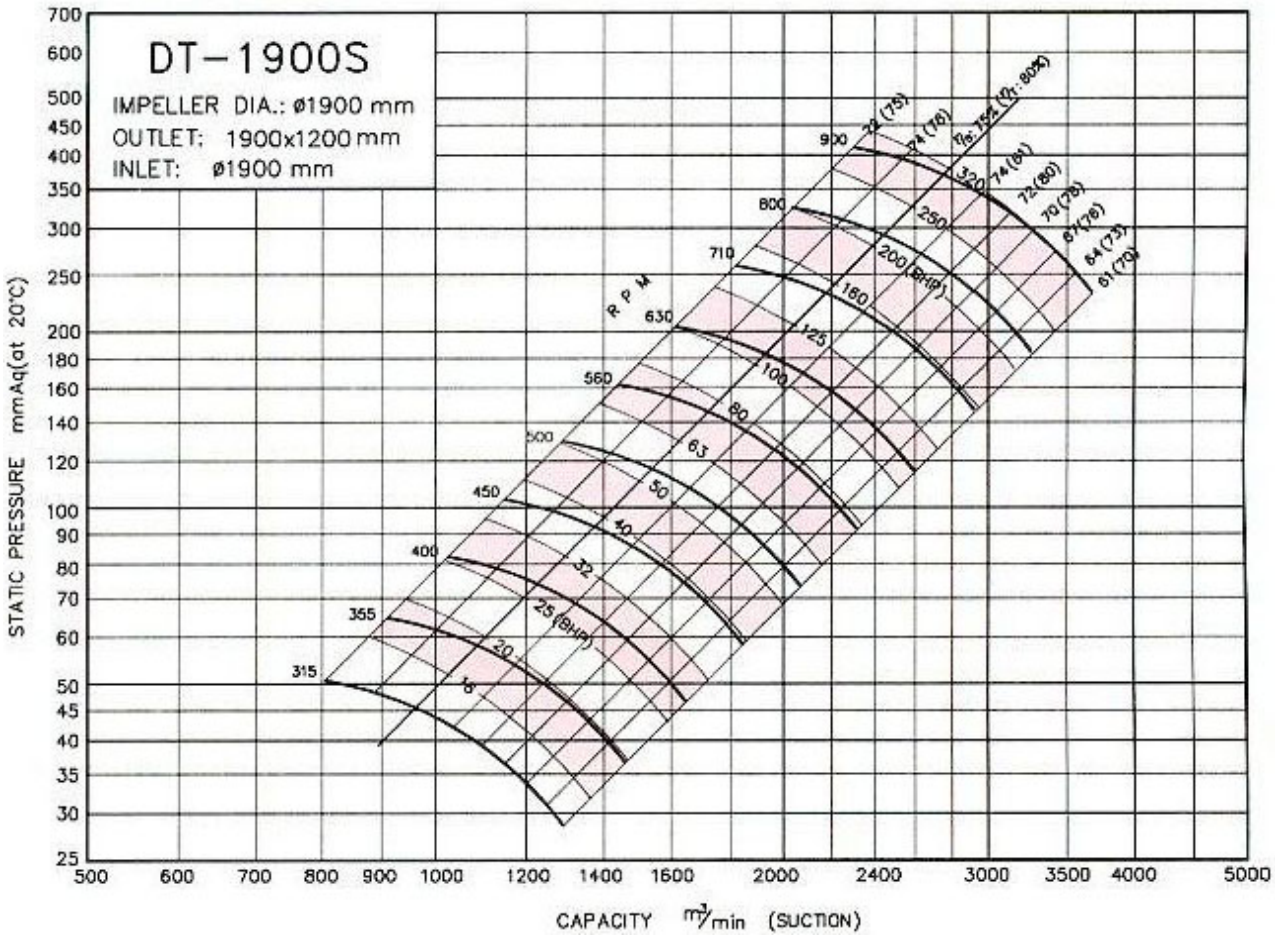

DT-1400S
IMPELLER DIA.: ø1400 mm
OUTLET: 1400x900 mm
INLET: ø1400 mm
STATIC PRESSURE mmAq(at 20°C)
CAPACITY m³/min (SUCTION)
RPM
72(75)
74(78)
74(80)
72(79)
67(75)
61(70)
125(BHP)
100
80
63
50
40
32
25
20
16
12.5(BHP)
10
8
6.3
1250
1120
1000
900
800
710
630
560
500
450
400

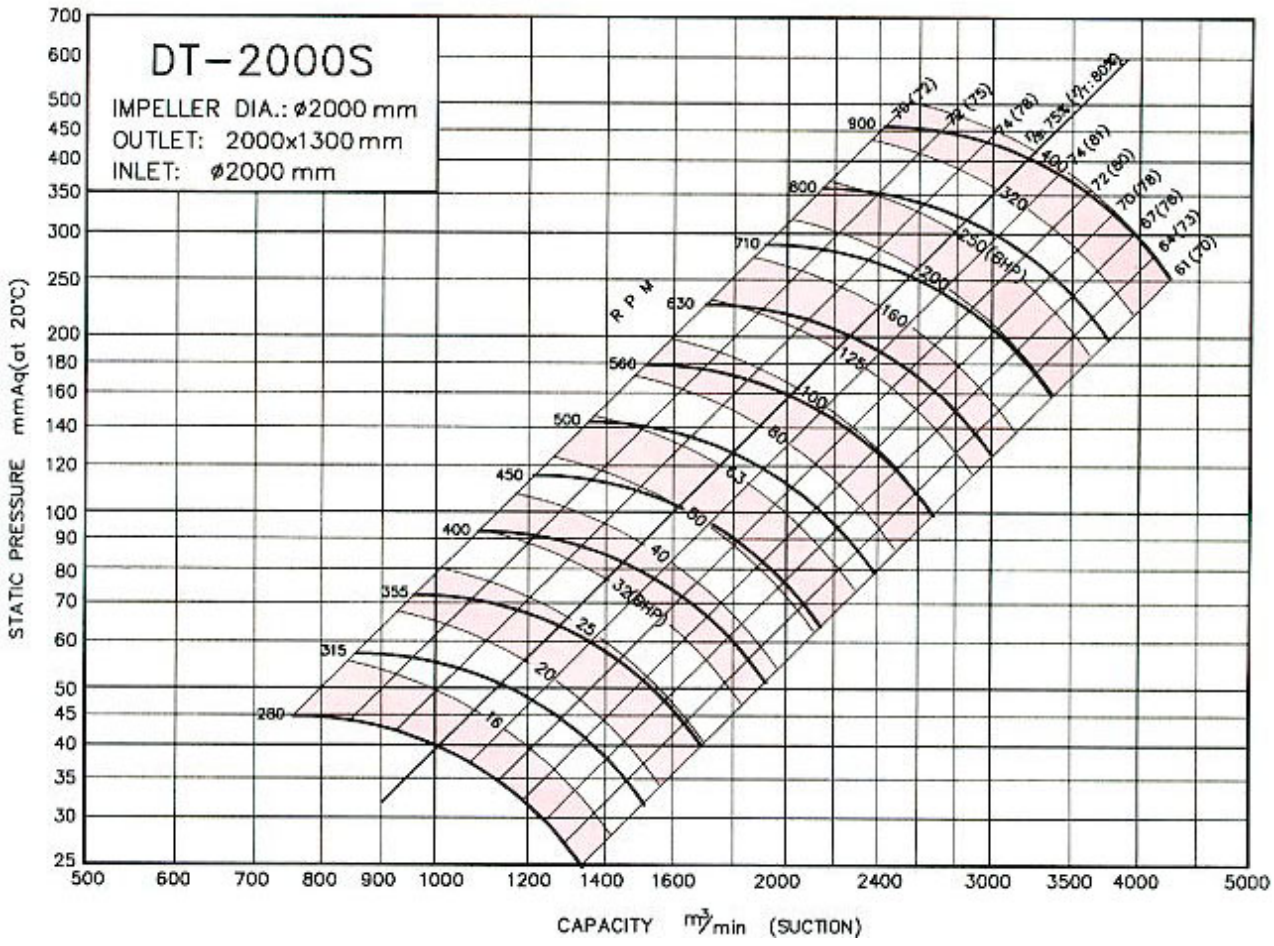

DT-1500S
IMPELLER DIA.: ø1500 mm
OUTLET: 1500x1000 mm
INLET: ø1500 mm
STATIC PRESSURE mmAq(at 20°C)
CAPACITY m³/min (SUCTION)
RPM
72(75)
74(78)
74(80)
72(79)
67(75)
61(70)
100(BHP)
80
63
50
40
32
25
20
16
12.5(BHP)
10
8
6.3
1120
1000
900
800
710
630
560
500
450
400
355


DT-1600S
IMPELLER DIA.: ø1600mm
OUTLET: 1600x1000 mm
INLET: ø1600 mm
STATIC PRESSURE mmAq(at 20°C)
CAPACITY m³/min (SUCTION)
RPM
72(75)
74(78)
75:75% (η: 80%)
74(80)
72(79)
69(77)
65(74)
59(70)
60(BHP)
20(BHP)
1120
1000
900
800
710
630
560
500
450
400
355
250
200
160
125
100
80
63
50
40
32
25
16
12.5
10

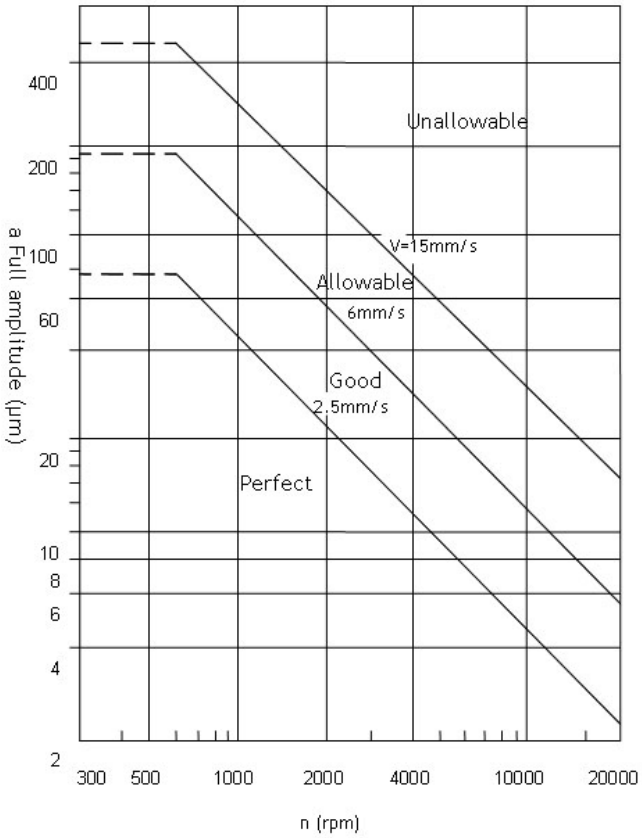

DT-1700S
IMPELLER DIA.: ø1700mm
OUTLET: 1700x1100 mm
INLET: ø1700 mm
STATIC PRESSURE mmAq(at 20°C)
CAPACITY m³/min (SUCTION)
RPM
72(75)
74(78)
75:75% (η: 80%)
74(80)
72(79)
69(77)
65(74)
59(70)
180(BHP)
28(BHP)
1000
900
800
710
630
560
500
450
400
355
315
250
200
160
125
100
80
63
50
40
32
25
16
12.5
10


DT-1800S
IMPELLER DIA.: ø1800mm
OUTLET: 1800x1200 mm
INLET: ø1800 mm
STATIC PRESSURE mmAq(at 20°C)
CAPACITY m³/min (SUCTION)
RPM
1000
900
800
710
630
560
500
450
400
355
315
320
250
200
160(BHP)
125
100
80
63
50
40
32
25
20(BHP)
16
12.5
74(84)
72(80)
70(78)
67(76)
64(73)


DT-1900S
IMPELLER DIA.: ø1900 mm
OUTLET: 1900x1200 mm
INLET: ø1900 mm
STATIC PRESSURE mmAq(at 20°C)
CAPACITY m³/min (SUCTION)
RPM
900
800
710
630
560
500
450
400
355
315
320
250
200(BHP)
180
125
100
80
63
50
40
32
25(BHP)
20
16
74(84)
72(80)
70(78)
67(76)
64(73)
61(70)



Vibration Allowance of Blower

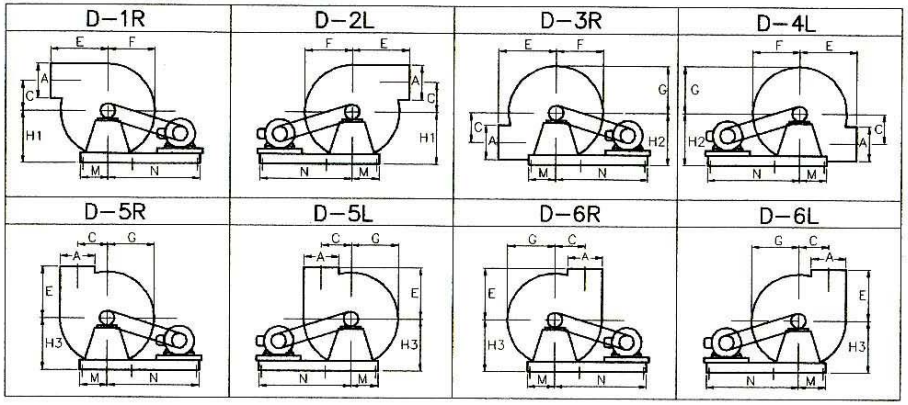


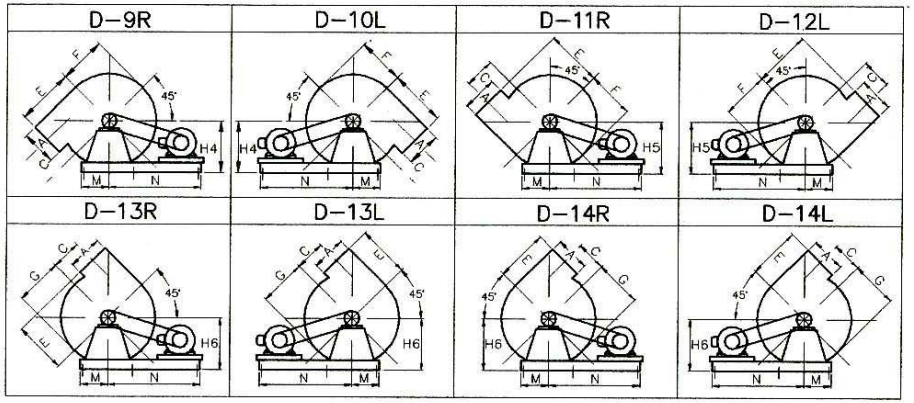
Amplitude a(μm) vs. Vibration speed "V" (mm/s)

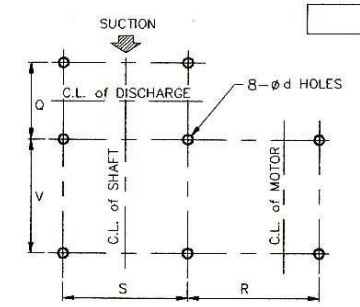
$$v = \frac{\mu\omega}{2\times10^3} = \frac{a\pi n}{6\times10^4}$$

$$\omega : \text{Angular velocity} = \frac{2\pi n}{60}(\text{rad/s})$$

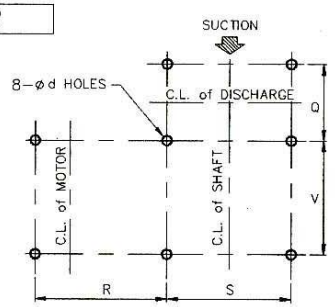
Direction of Outlet



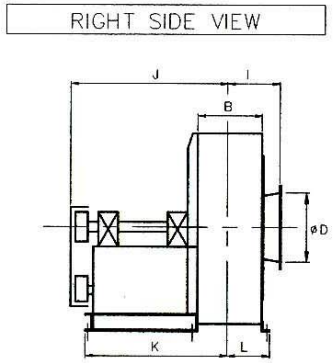


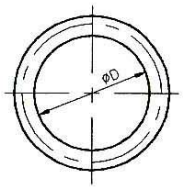


FOUNDATION (MOTOR AT RIGHT SIDE)

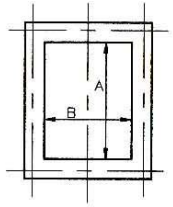


FOUNDATION (MOTOR AT LEFT SIDE)





SUCTION (O.D.)

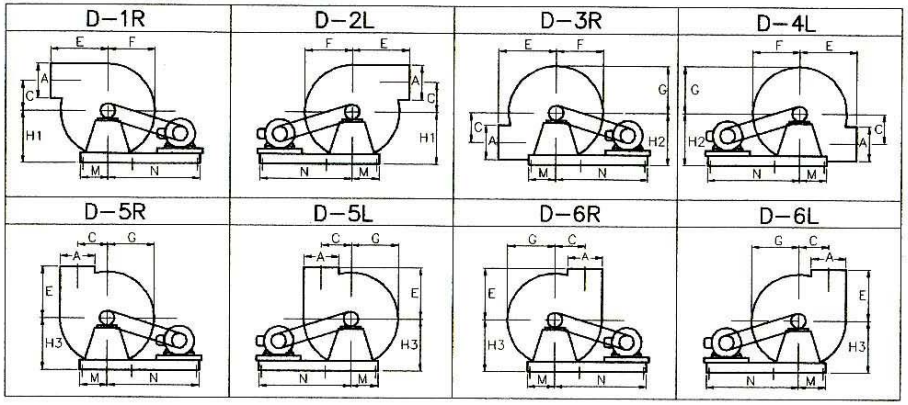


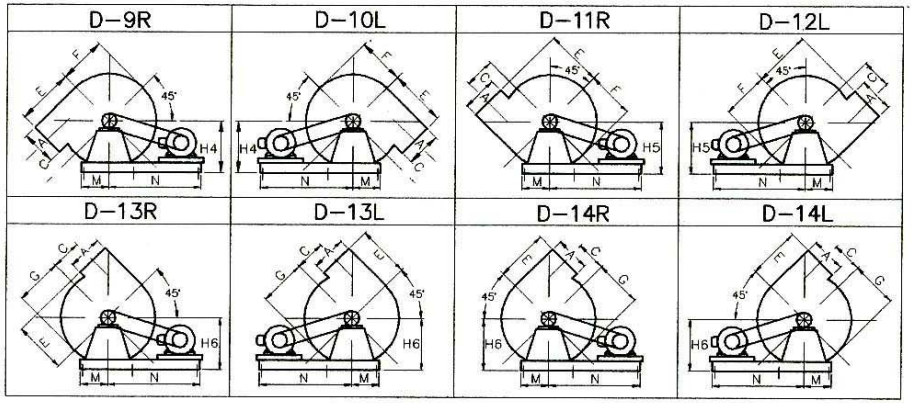
DISCHARGE (O.D.)

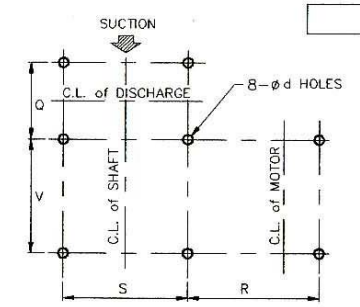
HP	15, 20	25, 30	40, 50, 60, 75	100, 125	150, 175, 200, 250
BEARINGS	22215K+H	22215K+H	22217K+H	22219K+H	22222K+H
COMMON BASE	[125x65x6	[125x65x6	[125x65x6	[150x75x6.5	[150x75x6.5

MODEL	HP 4P	A	B	C	ΦD	E	F	G	H1 D-1 D-2	H2 D-3 D-4	H3 D-5 D-6	H4 D-9 D-10	H5 D-11 D-12	H6 D-13 D-14	I	J	K	L	M	N	Q	R	S	V	Φd	Weight (without motor)
DT-1000S	7.5, 10	1000	600	600	1000	700	1010	860	900	1250	1050	800	1100	950	390	1250	1085	365	500	1200	670	700	940	720	19	700
	15, 20	1000	600	600	1000	700	1010	860	900	1250	1050	800	1100	950	390	1250	1085	365	500	1200	670	700	940	720	19	700
	25, 30	1000	600	600	1000	700	1010	860	900	1250	1050	800	1100	950	390	1250	1085	365	500	1200	670	700	940	720	19	700
	40, 50, 60, 75	1000	600	600	1000	700	1010	860	900	1250	1050	800	1100	950	390	1400	1245	365	500	1350	670	850	940	880	19	800
	100, 125	1000	600	600	1000	700	1010	860	900	1250	1050	800	1100	950	390	1500	1355	375	500	1500	690	1000	940	980	24	900
DT-1100S	7.5, 10	1100	700	660	1100	800	1050	885	950	1350	1100	850	1200	1000	440	1300	1135	415	550	1200	770	650	1040	720	19	800
	15, 20	1100	700	660	1100	800	1050	885	950	1350	1100	850	1200	1000	440	1300	1135	415	550	1200	770	650	1040	720	19	800
	25, 30	1100	700	660	1100	800	1050	885	950	1350	1100	850	1200	1000	440	1300	1135	415	550	1200	770	650	1040	720	19	800
	40, 50, 60, 75	1100	700	660	1100	800	1050	885	950	1350	1100	850	1200	1000	440	1450	1295	415	550	1350	770	800	1040	880	19	900
	100, 125	1100	700	660	1100	800	1050	885	950	1350	1100	850	1200	1000	440	1550	1405	425	550	1500	790	950	1040	980	24	1000
DT-1200S	15, 20	1200	800	720	1200	850	1145	965	1000	1450	1200	900	1250	1100	490	1350	1185	465	600	1200	870	600	1140	720	19	900
	25, 30	1200	800	720	1200	850	1145	965	1000	1450	1200	900	1250	1100	490	1350	1185	465	600	1200	870	600	1140	720	19	900
	40, 50, 60, 75	1200	800	720	1200	850	1145	965	1000	1450	1200	900	1250	1100	490	1500	1345	465	600	1350	870	750	1140	880	19	1000
	100, 125	1200	800	720	1200	850	1145	965	1000	1450	1200	900	1250	1100	490	1600	1455	475	600	1500	890	900	1140	980	24	1000
	150, 175, 200	1200	800	720	1200	850	1145	965	1000	1450	1200	900	1250	1100	490	1760	1555	475	600	1650	890	1050	1140	1080	24	1200
DT-1300S	15, 20	1300	800	780	1300	900	1235	1035	1100	1600	1300	950	1350	1150	490	1350	1185	465	650	1350	870	700	1240	720	19	1100
	25, 30	1300	800	780	1300	900	1235	1035	1100	1600	1300	950	1350	1150	490	135	1185	465	650	1350	870	700	1240	720	19	1100
	40, 50, 60, 75	1300	800	780	1300	900	1235	1035	1100	1600	1300	950	1350	1150	490	1500	1345	465	650	1500	870	850	1240	880	19	1200
	100, 125	1300	800	780	1300	900	1235	1035	1100	1600	1300	950	1350	1150	490	1600	1455	475	650	1650	890	1000	1240	980	24	1300
	150, 175, 200	1300	800	780	1300	900	1235	1035	1100	1600	1300	950	1350	1150	490	1760	1555	475	650	1800	890	1150	1240	1080	24	1400
DT-1400S	15, 20	1400	900	840	1400	1000	1340	1130	1200	1700	1400	1050	1500	1250	540	1400	1235	515	700	1350	970	650	1340	720	19	1300
	25, 30	1400	900	840	1400	1000	1340	1130	1200	1700	1400	1050	1500	1250	540	1400	1235	515	700	1350	970	650	1340	720	19	1300
	40, 50, 60, 75	1400	900	840	1400	1000	1340	1130	1200	1700	1400	1050	1500	1250	540	1550	1395	515	700	1500	970	800	1340	880	19	1400
	100, 125	1400	900	840	1400	1000	1340	1130	1200	1700	1400	1050	1500	1250	540	1650	1505	525	700	1650	990	950	1340	980	24	1500
	150, 175, 200	1400	900	840	1400	1000	1340	1130	1200	1700	1400	1050	1500	1250	540	1810	1605	525	700	1800	990	1100	1340	1080	24	1600

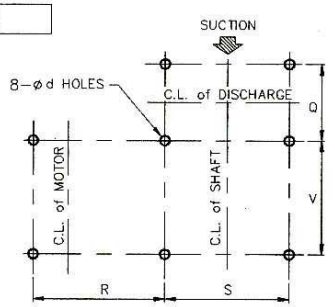
Direction of Outlet



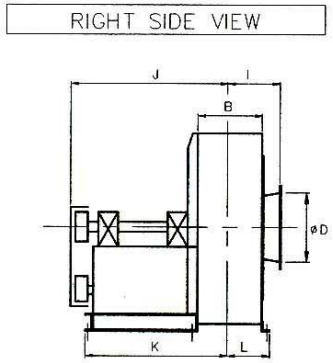


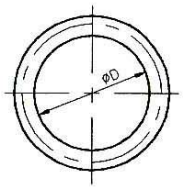


FOUNDATION (MOTOR AT RIGHT SIDE)

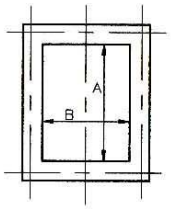


FOUNDATION (MOTOR AT LEFT SIDE)





SUCTION (O.D.)



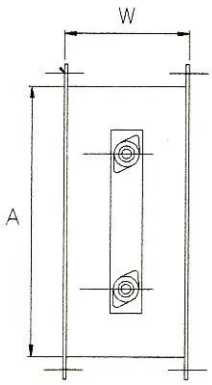
DISCHARGE (O.D.)

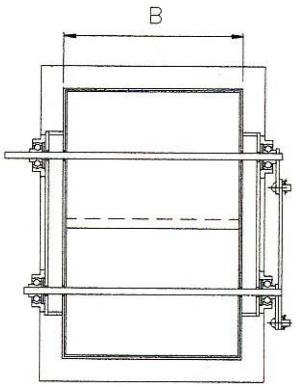
HP	15, 20	25, 30	40, 50, 60, 75	100, 125	150, 175, 200, 250	320, 400
BEARINGS	22215K+H	22215K+H	22217K+H	22219K+H	22222K+H	22224K+H
COMMON BASE	[125x65x6	[125x65x6	[125x65x6	[150x75x6.5	[150x75x6.5	[200x80x7.5

MODEL	HP 4P	A	B	C	ΦD	E	F	G	H1 D-1 D-2	H2 D-3 D-4	H3 D-5 D-6	H4 D-9 D-10	H5 D-11 D-12	H6 D-13 D-14	I	J	K	L	M	N	Q	R	S	V	Φd	Weight (without motor)
DT-1500S	15, 20	1500	1000	900	1500	1050	1425	1200	1250	1800	1500	1150	1600	1350	590	1450	1285	565	750	1350	107	600	1440	720	19	1500
	25, 30	1500	1000	900	1500	1050	1425	1200	1250	1800	1500	1150	1600	1350	590	1450	1285	565	750	1350	1070	600	1440	720	19	1500
	40, 50, 60, 75	1500	1000	900	1500	1050	1425	1200	1250	1800	1500	1150	1600	1350	590	1600	1445	565	750	1500	1070	750	1440	880	19	1600
	100, 125	1500	1000	900	1500	1050	1425	1200	1250	1800	1500	1150	1600	1350	590	1700	1555	575	750	1650	1090	900	1440	980	19	1700
	150, 175, 200	1500	1000	900	1500	1050	1425	1200	1250	1800	1500	1150	1600	1350	590	1860	1655	575	750	1800	1090	1050	1440	1080	24	1800
DT-1600S	25, 30	1600	1000	960	1600	1150	1525	1285	1350	1900	1600	1200	1700	1450	590	1450	1285	565	800	1500	1070	700	1540	720	19	1700
	40, 50, 60, 75	1600	1000	960	1600	1150	1525	1285	1350	1900	1600	1200	1700	1450	590	1600	1445	565	800	1650	1070	850	1540	880	19	1800
	100, 125	1600	1000	960	1600	1150	1525	1285	1350	1900	1600	1200	1700	1450	590	1700	1555	575	800	1800	1090	1000	1540	980	24	1900
	150, 175, 200, 250	1600	1000	960	1600	1150	1525	1285	1350	1900	1600	1200	1700	1450	590	1860	1655	575	800	1950	1090	1150	1540	1080	24	2000
DT-1700S	25, 30	1700	1100	1020	1700	1200	1625	1375	1450	2050	1700	1300	1800	1550	640	1500	1355	615	850	1500	1170	650	1640	720	19	1900
	40, 50, 60, 75	1700	1100	1020	1700	1200	1625	1375	1450	2050	1700	1300	1800	1550	640	1650	1495	615	850	1650	1170	800	1640	880	19	2100
	100, 125	1700	1100	1020	1700	1200	1625	1375	1450	2050	1700	1300	1800	1550	640	1750	1605	625	850	1800	1190	950	1640	980	24	2300
	150, 175, 200, 250	1700	1100	1020	1700	1200	1625	1375	1450	2050	1700	1300	1800	1550	640	1910	1705	625	850	1950	1190	1100	1640	1080	24	2500
DT-1800S	40, 50, 60, 75	1800	1200	1080	1800	1300	1730	1470	1500	2150	1800	1400	1900	1650	690	1700	1545	665	900	1800	1270	900	1740	880	19	2400
	100, 125	1800	1200	1080	1800	1300	1730	1470	1500	2150	1800	1400	1900	1650	690	1800	1655	675	900	1950	1290	1050	1740	980	24	2600
	150, 175, 200, 250	1800	1200	1080	1800	1300	1730	1470	1500	2150	1800	1400	1900	1650	690	1960	1755	675	900	2100	1290	1200	1740	1080	24	2800
	320	1800	1200	1080	1800	1300	1730	1470	1500	2150	1800	1300	1900	1650	690	2165	1860	680	900	2250	1300	1350	1740	1180	28	3000
DT-1900S	40, 50, 60, 75	1900	1200	1140	1900	1350	1825	1540	1600	2300	1900	1450	2050	1800	690	1700	1545	665	950	1800	1270	850	1840	880	19	2900
	100, 125	1900	1200	1140	1900	1350	1825	1540	1600	2300	1900	1450	2050	1800	690	1800	1655	675	950	1950	1290	1000	1840	980	24	3100
	150, 175, 200, 250	1900	1200	1140	1900	1350	1825	1540	1600	2300	1900	1450	2050	1800	690	1960	1755	675	950	2100	1290	1150	1840	1080	24	3300
	320, 400	1900	1200	1140	1900	1350	1825	1540	1600	2300	1900	1450	2050	1800	690	2165	1860	680	950	2250	1300	1300	1840	1180	28	3500
DT-2000S	40, 50, 60, 75	2000	1300	1200	2000	1400	1920	1620	1650	2400	2000	1500	2150	1850	740	1750	1595	715	1000	1800	1370	800	1940	880	19	3400
	100, 125	2000	1300	1200	2000	1400	1920	1620	1650	2400	2000	1500	2150	1850	740	1850	1705	725	1000	1950	1390	950	1940	980	24	3600
	150, 175, 200, 250	2000	1300	1200	2000	1400	1920	1620	1650	2400	2000	1500	2150	1850	740	2010	1805	725	1000	2100	1390	1100	1940	1080	24	3800
	320, 400	2000	1300	1200	2000	1400	1920	1620	1650	2400	2000	1500	2150	1850	740	2215	1910	730	1000	2250	1400	1250	1940	1180	28	4000

Flow Control

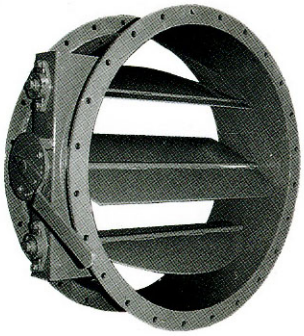
Discharge Damper

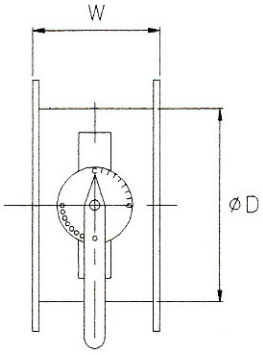


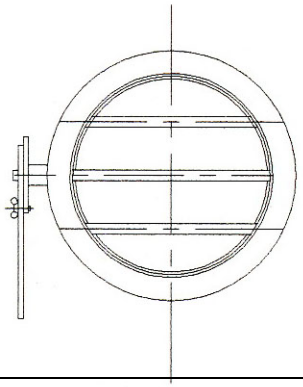


A	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
B	600	700	800	800	900	1000	1100	1100	1200	1200	1300
W	300	300	300	350	350	350	350	350	350	400	400

Suction Damper

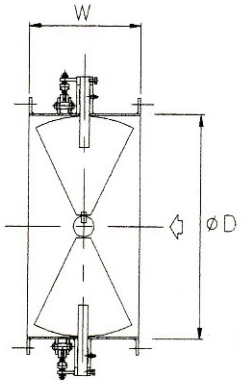


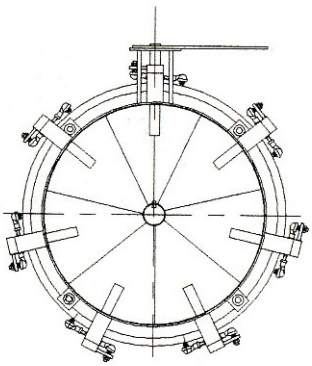




ΦD	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
W	350	350	400	400	400	450	450	450	450	500	500

Inlet Vane Controller (IVC)





ΦD	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
W	350	350	350	400	400	400	400	400	400	400	400

Please provide the following information in an inquiry.

1. Application and Condition

Describe the purpose of usage. Are the blowers operating continuously or intermittently?

2. Flow Rate

Describe whether the flow rate is at standard condition or normal condition.
Unless specified, the flow rate is calculated under suction condition, and is not seen as discharge flow rate)

3. Pressure

Describe whether the pressure is constant or variable, if variable; specify the range and the relationship between air flow rate and pressure.
Describe whether the pressure shows static pressure of the discharge or the difference between suction and discharge pressure.
State whether suction pressure is atmospheric pressure; otherwise specify suction and discharge pressure respectively.

4. Type of Gas and Specific Gravity

Specify the following:
Type of gas and its components, content of impurities and their sizes, specific gravity, chemical prosperities, suggestions for materials, explosive and/or toxic nature (regarded as normal temperature, normal-pressure air unless specified)

5. Gas Temperature

DT Series turbo fans are normally used for normal temperature at suction.
If suction temperature is higher than normal temperature, please let us know.

6. Type of Prime Mover

When a motor is used as prime mover, specify the voltage, frequency and power supply condition.

7. Painting

#3 is the standard color or DT Series blowers, if other colors are required, please let us know.

Unit Conversion

Pressure

	mmAq	Pa=N/m^2	daPa	mbar	psi	kgf/m^2	atm
1mmAq	1	9.8	0.98	9.807×10^{-2}	1.422×10^{-3}	1	9.677×10^{-5}
1Pa=1N/m^2	0.102	1	0.1	1×10^{-2}	1.451×10^{-4}	0.102	9.872×10^{-6}
1daPa	1.02	10	1	0.1	1.451×10^{-3}	1.02	9.872×10^{-5}
1mbar	10.2	100	10	1	1.451×10^{-2}	10.2	9.872×10^{-4}
1psi	703	6888	688.8	68.88	1	703	6.802×10^{-2}
1kgf/m^2	1	9.8	0.98	9.807×10^{-2}	1.422×10^{-3}	1	9.677×10^{-5}
1atm	10332	101300	10130	1013	14.7	10332	1

Capacity

	m^3/min	m^3/s	m^3/h	ft^3/min=cfm
1m^3/min	1	0.017	60	35.31
1m^3/s	60	1	3600	2118.6
1m^3/h	0.017	2.777×10^{-4}	1	0.589
1ft^3/min=cfm	0.0283	4.720×10^{-4}	1.699	1

Power

	HP	kW	kg-m/sec	PS
1 HP	1	0.746	76.038	1.014
1 kW	1.341	1	101.967	1.360
1 kg-m/sec	0.013	9.807×10^{-3}	1	0.013
1 PS	0.986	0.736	74.988	1

Pressure Conversion Formula

1 Pa = 0.102 mmAq
1 daPa = 10 Pa
1 mbar = 10.197 mmAq
1 mmHg = 13.6 mmAq
1 psi = 703 mmAq
1 Torr = 133.3 Pa
1 Torr = 1.333 mbar

Main Products

Cutter Blowers
Gas Tight Blowers
Conveyor Blowers
Low Noise Blowers
Explosion Proof Blowers
Wear-Resistance Blowers
Corrosion-Resistance Blowers
High Temperature Resistance Blowers

Mild Steel Fans & Blowers
Mild Steel Multi-Steel Blowers
Casting Blowers
Casting Multi-Stage Blowers
Leakless Dampers
Accessories of Fan & Blowers
Special Applications Fans & Blowers

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