



DYNAVENT

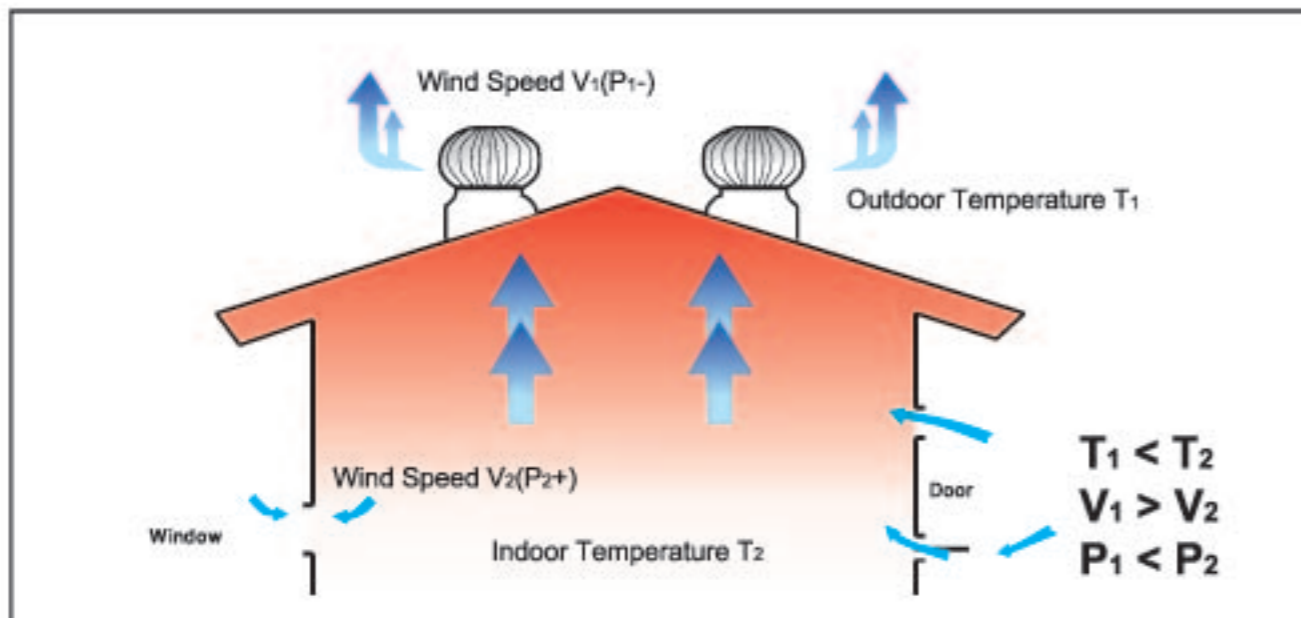
Turbine Ventilator



Wind driven turbine ventilator operates under the natural horizontal & vertical wind produced by the air **convection** caused due to the difference between indoor and outdoor air pressure. Due to its light weight, the **vanes** function even under the push of a slight wind. The turbine head produces centrifugal force when it rotates, and this force ejects the zone that is formed below the ventilator. **The turbine head keeps on rotating 150/200/250/300/500/600/680/800/900.**

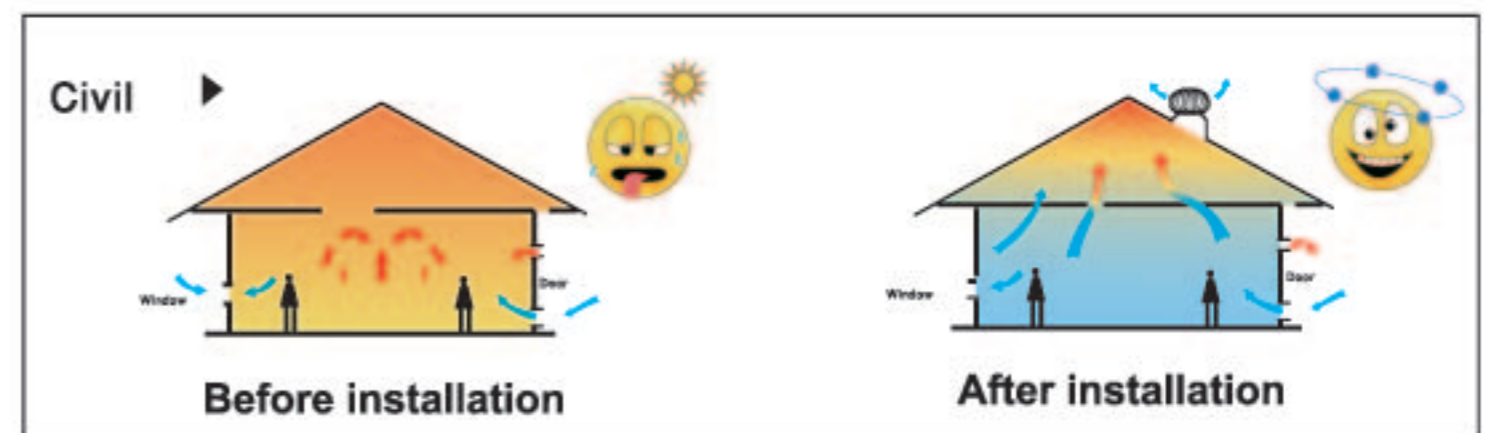
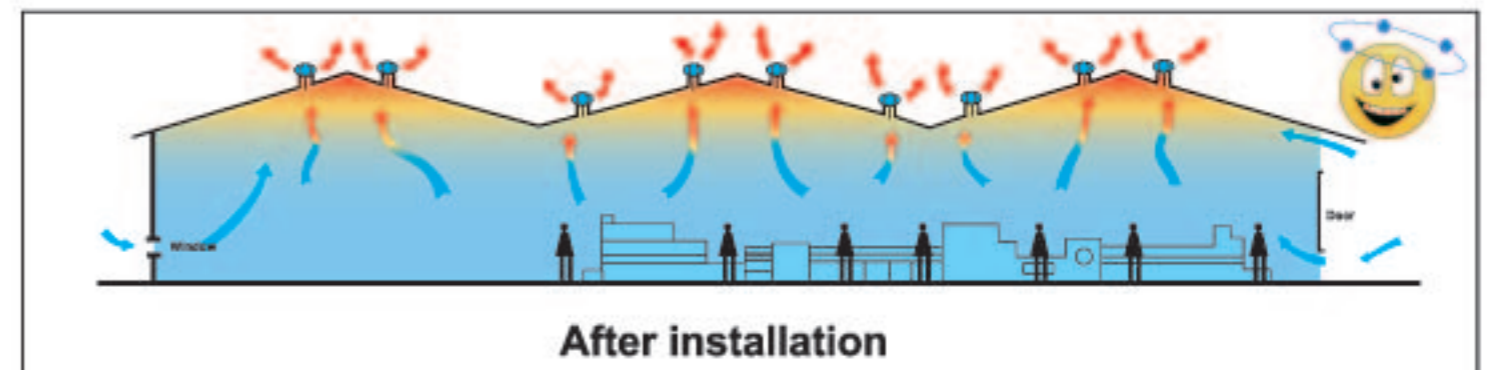
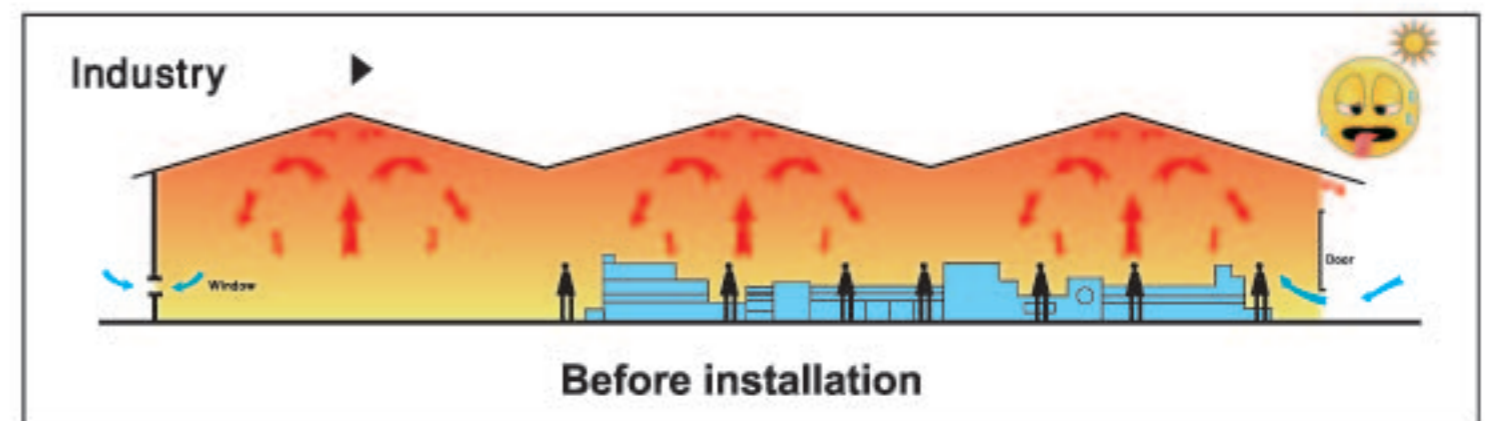
We produce high quality **Fluocarbon Polyester Aluminium Alloy** ventilator and 304/2B Stainless Steel ventilator, meeting the needs of domestic and overseas market. Turbine ventilators do not consume any electricity, and comply with national energy-saving and environmental protection policy. These ventilators are noiseless, have high performance efficiency, high self-cleaning ability, are water proof and have anti dew properties.

Principle of Natural Exhaust



i.e. the greater the fluid speed is, the smaller the pressure will be

Due to the high quality original materials used, Dynavent turbine ventilators can be used on the roofs of industrial workshops, warehouses and other buildings where humidity, corrosion, heat, contaminated air, fumes and dust prevails. Thanks to its superior ability of ventilating, Dynavent turbine ventilators makes an ideal choice for all industrial and civil buildings. They promote a fresh working condition by effective air circulation inside the building.

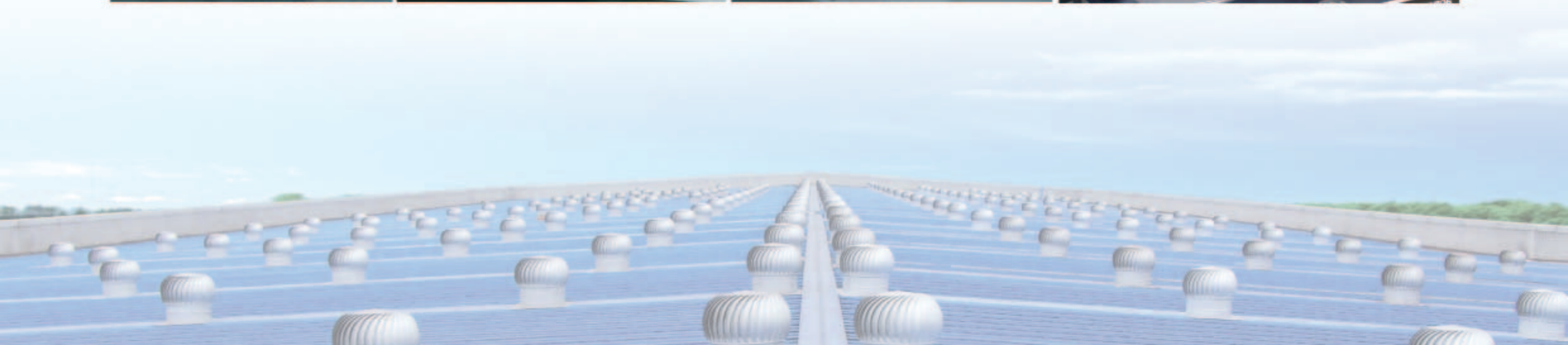


Dynavent turbine ventilators are fluoroine carbon polyester coated aluminium alloy ventilators. These ventilators are much lighter than ventilators made from other materials.

The base material used is 3005# Aluminium alloy with a coating of 20µm fluorine carbon polyester on it. This material lowers the pressure on the bearing of the ventilator head and increases the revolving sensitivity of the axial bearings.

Features of Dynavent Turbine Ventilators:

- Light weight and high sensitivity
- Greater venting efficiency
- Superior anti-corrossion properties
- Water proof and weather resistant
- Smooth surface with uniform color
- Long service life and easy to maintain



MODEL 150/200/250 Turbine Ventilators:

Designed to improve your living condition by bringing in healthy air. Economic installation, low maintenance cost, considerable energy saving

Typical application: Commercial and civil buildings.



Model	A diameter of varipitch (mm)	B height of ventilator (mm)	C diameter of vent head (mm)	D height of varipitch (mm)	Base flashing (mm)	Number of vanes
150	150	235	265	78	245*245	20
200	200	313	315	103	330*330	20
250	250	391	365	129	380*380	24

MODEL 300/500/600

A.A.Ventilator

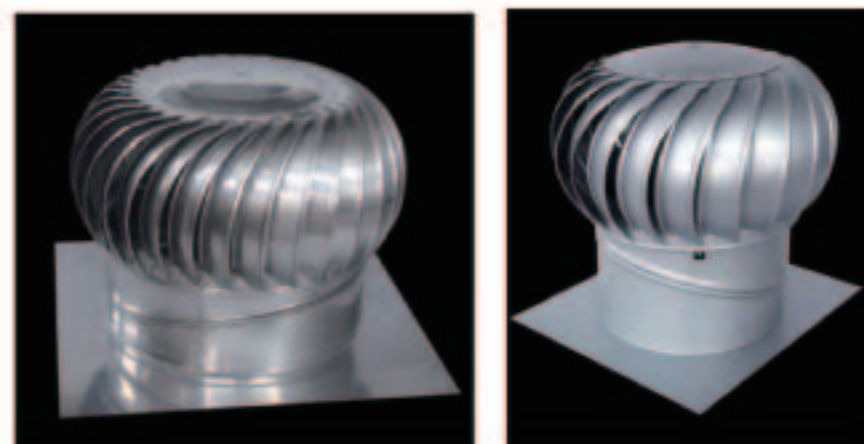
Material: Aluminium alloy with 20µm fluorine carbon coating; Japanese NSK sealed axle bearing; fireproof reinforced nylon support/metal support, connecting rivets.

Typical application: In environments with high-corrosive gases, highly polluted industry workshops, factory buildings, acid washing workshop and industrial buildings in coastal areas.

S.S. Ventilator

Material: High quality 304/2B stainless steel, Japanese NSK sealed axle bearing; fireproof reinforced nylon support/metal support, connecting rivets.

Typical application: Industrial, commercial and civil buildings.

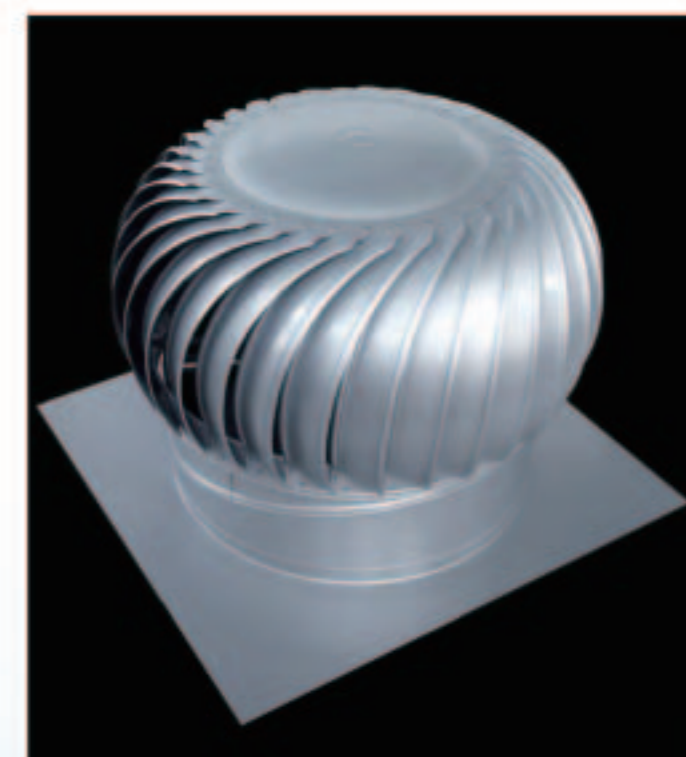


Model	A diameter of varipitch (mm)	B height of ventilator (mm)	C diameter of vent head (mm)	D height of varipitch (mm)	Base flashing (mm)	Number of vanes
300	300	335	430	80	420*420	21
500	500	525	635	190	750*800	32
600	600	625	750	215	800*850	32

MODEL : 680/800/900

Designed to reduce the temperature difference between indoor and outdoor environment. These ventilators drives out the hot gas and exhaust gas produced by the machine operations and promotes inlet of fresh air thereby improving the work conditions and increases working efficiency.

Typical application: Large Scale Industrial Plants



Model	A diameter of varipitch (mm)	B height of ventilator (mm)	C diameter of vent head (mm)	D height of varipitch (mm)	Base flashing (mm)	Number of vanes
680	680	260	880	780	1000 * 1000	36
800	800	330	1000	830	1500 * 1500	36
900	900	390	1096	926	1200 * 1200	39

How to calculate the numbers of ventilators

- 1 Determine the indoor volume of the building in cubic meters
(length×width×height) = VOL.
- 2 According to the building type, determine air changes per hour required from the table I=N
- 3 Determine the standard wind speed according to local weather records (1.2.3.4 and 5m/s), thus air exhaust capacity can be reached from table II = Lp

The number calculation formula of ventilator

$$n = \frac{VOL \times N}{Lp}$$

Air Changes of Different Types (N)

Building Type	Air Exhaust times/ hour	Building Type	Air Exhaust times/ hour
Storehouses	3-5	Coking Factories	6-12
Common Factories & Workshops	3-8	Washing Rooms	7-15
Gyms, Tennis Houses	3-8	Generating Stations, Converting Stations	8-20
Assembly Halls	6-12	Boiler Rooms	12-30
Garages	6-12	Electric welding Workshops	12-21
Paper Mills	8-15	Food Factories	12-22
Electroplating Workshops	10-15	Plating Workshops	16-30
Acid-washing Workshops	11-18	Lampblack Workshops	16-30

MODEL	V	TP-w h m	3								5								10							
			6		10		15		20		6		10		15		20		6		10		15		20	
			S.S	A.A	S.S	A.A	S.S	A.A	S.S	A.A	S.S	A.A	S.S	A.A	S.S	A.A	S.S	A.A	S.S	A.A	S.S	A.A	S.S	A.A	S.S	A.A
150	1.0		150		210		290		350		260		310		390		430		290		510		620		730	
	2.0		200		340		470		550		500		630		700		780		500		660		830		860	
	3.0		410		680		730		820		680		770		870		960		700		760		950		970	
	4.0		650		810		960		1060		930		1080		1200		1260		910		1120		1170		1200	
	5.0		1000		1050		1170		1300		1020		1160		1250		1290		1020		1160		1230		1370	
200	1.0		180		230		320		380		300		340		410		460		350		580		700		810	
	2.0		260		370		500		590		550		680		760		830		590		750		920		930	
	3.0		470		720		770		880		730		830		930		1030		800		870		1060		1000	
	4.0		720		900		1060		1150		1000		1130		1250		1320		1060		1250		1280		1300	
	5.0		1080		1120		1230		1400		1100		1230		1320		1360		1180		1300		1390		1430	
250	1.0		220		280		360		430		320		370		450		500		430		660		870		990	
	2.0		290		450		560		660		580		700		790		860		670		820		1000		1100	
	3.0		510		820		870		980		790		880		970		1070		880		950		1130		1180	
	4.0		780		1100		1150		1220		1080		1150		1280		1350		1150		1330		1390		1500	
	5.0		1160		1230		1350		1530		1200		1260		1370		1410		1260		1390		1530		1610	
300	1.0		230	270	290	340	350	420	410	490	310	360	370	430	420	500	460	550	430	510	600	720	790	940	890	1050
	2.0		270	320	430	510	520	610	670	760	510	610	620	740	700	840	790	930	610	720	740	870	930	1110	1020	1220
	3.0		490	580	780	930	810	960	910	1080	740	870	830	990	920	1100	1000	1200	840	1000	950	1090	1080	1280	1120	1340
	4.0		720	860	1050	1240	1100	1290	1230	1350	1010	1200	1100	1300	1250	1480	1310	1530	1100	1310	1270	1490	1360	1580	1420	1680
	5.0		1100	1310	1280	1480	1410	1580	1520	1640	1230	1450	1320	1490	1400	1630	1480	1680	1270	1520	1420	1670	1550	1810	1650	1910
500	1.0		710	910	880	1090	970	1090	1100	1410	780	1000	960	1230	1170	1450	1350	1750	990	1250	1250	1570	1550	1990	1800	2040
	2.0		1150	1390	1220	1540	1250	1570	1370	1710	1110	1430	1250	1570	1410	1820	1560	2010	1260	1630	1480	1640	1750	2270	1970	2530
	3.0		1550	1640	1850	2246	1620	2080	1710	2210	1480	1840	1620	2010	1760	2250	1870	2420	1630	2100	1810	2250	2030	2710	2290	2860
	4.0		2020	2570	2150	2610	2040	2610	2210	2800	1970	2450	2040	2650	2110	2730	2240	2910	2040	2620	2180	2750	2370	3200	2740	3300
	5.0		2410	3110	2430	3120	2460	3130	2520	3220	2400	3120	2460	3130	2540	3370	2640	3440	2460	3150	2610	3380	2850	3410	3290	3770
600	1.0		970	1210	1170	1450	1400	1820	1600	2050	1170	1390	1420	1820	1700	2210	2000	2600	1420	1840	1810	1340	2210	2850	2600	3380
	2.0		1500	1900	1650	2050	1800	2300	2000	2600	1630	2090	1810	2310	2070	2680	2350	3050	1820	2360	2150	2780	2500	3230	2840	3690
	3.0		2150	2640	2200	2860	2350	3050	2470	3140	2130	2830	2330	2990	2500	3250	2700	3510	2350	3050	2600	3380	2900	3920	3200	4160
	4.0		2770	3600	2820	3600	2900	3720	3200	4120	2850	3620	2950	3770	3050	3930	3200	4160	2950	3830	3150	4090	3400	4420	3650	4740
	5.0		3400	4320	3490	4450	3550	4530	3620	4680	3450	4450	3550	4560	3660	4710	3750	4870	3540	4600	3740	4860	3950	5130	4150	5390
680	1.0		2680		2910		3200		3510		2840		3180		3600		3990		3240		3780		4460		5040	
	2.0		3760		3920		4140		4350		3780		4140		4500		4790		4170		4620		5180		5680	
	3.0		4900		5020		5220		5400		5040		5220		5400		5720		5220		5580		6040		6500	
	4.0		6040		6120		6300		6400		6120		6300		6480		6730		6300		6660		7020		7400	
	5.0		7680		7880		8190		8480		7910		8190		8480		8990		8190		8480		9190		10200	
800	1.0		5230		5650		5960		6290		5560		5870		6230		6710		6210		6550		6930		7370	
	2.0		6350		6790		7100		7520		6620		6810		7290		7870		6930		7010		7530		8080	
	3.0		7580		8020		8390		8670		7930		8360		8660		9010		8250		8590		8820		9230	
	4.0		8690		9110		9530		9930		9320		9650		9970		10200		9560		9930		10290		11000	
	5.0		9750		10900		11200		11900		9930		11700		12100		12800		10230		12020		12760		13100	