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Specialty Builds Quality Honesty Creates Future



ROOTS BLOWER / VACUUM PUMP / MVR STEAM COMPRESSOR



山东明天机械集团股份有限公司
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Company Introduction



Shandong Mingtian Machinery Group Joint Stock Co., Ltd is located Zhangqiu District, Jinan City, Shandong Province. It covers an area of more than 76000 m², building surface is more than 39000m², with more than 180 employees, among of them including 22 technicians, 5 technical engineers, and 3 domestic chief experts.

Founded in 2007, we are manufacturing and exporting roots blower and MVR compressors with 12 years experiences. With advanced CNC processing centers and test equipments, we are able to manufacture roots blowers, roots vacuum pumps and MVR compressors in 10 series and 220 models, with air capacity 0.6-1000 m³/min and pressure rise 9.8-198kPa. Our blowers are widely used in pneumatic conveying, waste water treatment, aquaculture, petroleum, chemical industry, metallurgy, electric power, cement, food, coal preparation, vacuum packaging and other industries.

Roots Blower Working Principle



The rotary-type positive-displacement roots blower incorporates two intermeshing rotors mounted on parallel shafts. In a twin-lobe roots blower, each rotor has two lobes (four per roots blower). In a tri-lobe roots blower, each rotor has three lobes (six per roots blower).

- The two rotors rotate in opposite directions.
- As each rotor passes the blower inlet, it traps a definite volume of gas (the 'displaced volume') and carries it around the case to the blower outlet. With constant speed operation, the displaced volume remains approximately the same at different inlet temperatures, inlet pressures and discharge pressures.
- As each rotor passes the blower outlet the gas is compressed to the system pressure there and expelled.
- Small but definite clearances allow operation without lubrication being required inside the air casing.
- Timing gears control the relative position of the rotors to each other.

Products Features

Shangu three lobes Roots Blower are new series Roots type blowers. With the help of CNC machine, we make precise rotors and casings to get a perfect gap to promote air performance, lower vibrations and noises results a significant improvement compared to traditional two lobe Roots Blower.

Traditional Roots Blower lubricate bearings and gears with grease and oil. Shangu blowers with double oil tank need oil only. It is very convenient to maintain and oil has a better lubricating effect than grease. So it could be a longer bearings and gears life.

- ◆ Strict management of quality standards. ISO9001 and CE systems.
- ◆ Technical customization (size, pressure, design, pump accessories).
- ◆ CNC machinery enabling precise measurements and grinding needed for more efficient pumping.
- ◆ Fewer vibrations transmitted through the lobe, for longer-lasting shafts, gears and bearings.
- ◆ Three-lobe design controls any backflow pressure towards rotor.
- ◆ Oil and dust-free outlet.
- ◆ Lubricated with high grade oil, proven to be a much better alternative to grease.
- ◆ Significant improvement in air performance ratios: wider air, pressure and vacuum range.
- ◆ Much quieter: our new design can effectively reduce noise by approximately 5 dB.
- ◆ Lower energy consumption.
- ◆ All our products can be used for OEM.

Gas to Handle

Air, Biogas, Natural Gas, Coal Gas, Semi-water Gas, Methane(CH₄), Butane(C₄H₁₀), Ammonia(NH₃), Carbonic Oxide(CO), Carbon Dioxide(CO₂), Nitrogen(N₂), Sulfur Dioxide (SO₂), Hydrogen Sulfide(H₂S), Hydrogen(H₂).

Information to Submit When Order

Usage	Blowing use or vacuum use
Gas Handled	Gas variety, status, temperature
	With or without corrosiveness and explosiveness State the proportion of gas formation and the molecular weight if handle mixed gas
Pressure	Unit: kPa, kgf/cm ² , mmH ₂ O, mmHg, Pa, etc.
	Difference between gauge pressure and absolute pressure
Air Capacity	Unit: m ³ /min
	Differences among Reference Condition (N : 0oC, 1 standard atmosphere pressure), Standard Condition (S : 20oC, 1 standard atmosphere pressure), and inlet condition
Location	Outdoor or indoor
	Surrounding temperature, with or without dangerous
Motor	Model No, output, poles
Driving Type	Coupling or v-belt
Others	Temperature of cooling water
	Operating time
	Whether in need of accessories or spare parts
	Painting colour

Performance Table Explain

- The performance tables give the model type, bore, r.p.m, discharge pressure, air capacity and required power of the blower.
- The air capacity in the tables is indicated in the standard suction state. The standard suction state herein mentioned is defined as the condition at 20 temperature, 1.0332kgf/cm2 [101.3kPa] absolute pressure and 65%relative humidity.
- The reference air capacity(temperature 0℃ and 1.0332kgf/cm2) [101.3kPa] absolute pressure is generally indicated in Nm³/min.
- However, it may be converted into the standard air capacity by the following equation if the suction pressure is equal.

$$Q_s = Q_N \times 1.0732$$

Where,

Q_s : standard air capacity;

Q_N : reference air capacity;

- The discharge air capacity can be converted into the standard air capacity by the following equation.

$$Q_s = Q_d \times \frac{1.0332 + P_d}{2 \times 1.0332} \times \frac{273 + t_s}{273 + t_d}$$

Where,

Q_d : discharge air capacity, in (m³/min)

P_d : discharge pressure, in (kgf/cm²)

t_s : suction temperature, in (℃)

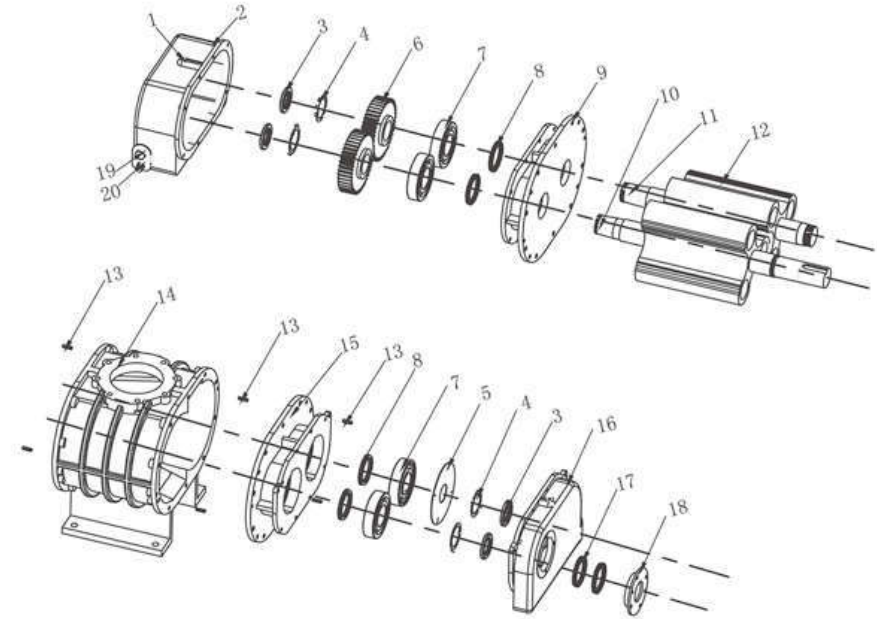
t_d : discharge temperature, in (℃)

- According to the air capacity and discharge pressure as calculated above, the model number, bore, r.p.m and required power can be found in the performance table.

Pressure Conversion Table

	Pa	Bar	Kgf/cm ²	Atm	MmH ₂ O	MmHg (Torr)
Pressure	1	1 x 10 ⁻⁵	1.01972 x 10 ⁻⁵	9.86923 x 10 ⁻⁶	1. 01972 x 10 ⁻¹	7. 50062 x 10 ⁻³
	1 x 10 ⁵	1	1.01972	9.86923 x 10 ⁻¹	1.01972 x 10 ⁴	7. 50062 x 10 ²
	9. 80665 x 10 ⁴	9.80665 x 10 ⁻¹	1	9.67841 x 10 ⁻¹	1 x 10 ⁴	7. 35559 x 10 ²
	1.01325 x 10 ⁵	1.01325	1. 03323	1	1. 03323 x 10 ⁴	7. 60000 x 10 ²
	9.80665	9. 80665 x 10 ⁻⁵	1 x 10 ⁻⁴	9.67841 x 10 ⁻⁵	1	7. 35559 x 10 ⁻²
	1.33322 x 10 ²	1. 33322 x 10 ⁻³	1.35951 x 10 ⁻³	1.31579 x 10 ⁻³	1. 35951 x 10 ¹	1

Roots Blower Structure



Parts Material Table

No.	Name	Material	QTY	No.	Name	Material	QTY
1	Lubrication Plug	A3	2	11	Driven Shaft	45#	1
2	Gear Case	HT250	1	12	Rotor	QT400	2
3	Lock Nut	A3	4	13	Positioning Pin	45#	6
4	Washer	A3	4	14	Casing	HT250	1
5	Oil Splash	A3	2	15	Drive Side Wall	HT250	1
6	Gear	20CrMnTi	2	16	Drop Tank	HT250	1
7	Bearing	SUJ2	4	17	Oil Seal	Nitrile Rubber	2
8	V-ring	Nitrile Rubber	4	18	Oil Tank Cap	HT250	1
9	Wall Plate	HT250	1	19	Oil Gauge	Organic Glass	2
10	Drive Shaft	45#	1	20	Purge Plug	A3	2

Our Products



Pressure Rise:9.8—98kPa Air Capacity:0.6—184m³/min

RSR Series



Pressure Rise:9.8—98kPa Air Capacity:71.6—267m³/min

MTRF Series



Pressure Rise:9.8—98kPa Air Capacity:159.3—452.4m³/min

MTRG Series



Pressure Rise:9.8—88kPa Air Capacity:480—1057m³/min

MTRH Series



Pressure Rise:9.8—98kPa Air Capacity:2—94m³/min

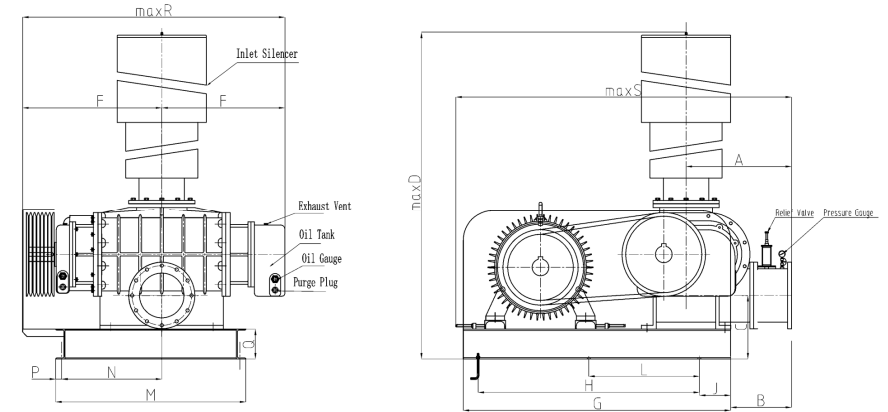
MJSR Series



Pressure Rise:9.8—196kPa Air Capacity:0.61—428m³/min

MTRR Series

RSR Series Belt Drive Drawings

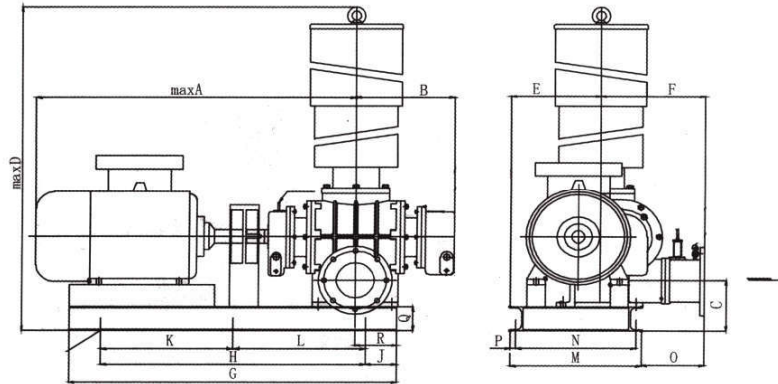


Model	Bore	A	B	C	D	Ed	Es	F	G	H	J
RSR-50	50A	255	165	120	895	225	260	201	560	410	100
RSR-65	65A	255	165	130	950	243	280	221	600	450	100
RSR-80	80A	290	205	150	1250	245	300	240	750	500	100
RSR-100	100A	290	205	160	1320	285	340	280	800	580	100
RSR-125	125A	345	215	185	1450	290	356	290	910	700	110
RSR-150C	150A	360	220	210	1650	369	—	356	1010	700	110
RSR-150A	150A	400	240	210	1730	335	400	300	1050	750	160
RSR-150	150A	400	240	210	1730	390	450	375	1050	750	160
RSR-175A	150A	400	240	210	1730	432	500	418	1050	750	160
RSR-175	150 A	400	250	210	1665	477	—	463	1050	750	160
RSR-200H	200A	500	285	250	2200	485	555	465	1280	1000	180
RSR-200	200A	500	285	250	2200	536	605	515	1330	1000	180
RSR-250D	250A	500	285	360	2240	611	680	590	1500	1000	215
RSR-250	250A	710	370	360	2400	575	640	580	1800	1490	210
RSR-300	300A	710	420	385	2780	655	775	670	1800	1490	210

Mode	Bore	L	M	Nd	Ns	P	Q	n-ΦI	R	S	Weight(kg)
RSR-50	50A	—	300	130	166	15	80	4-Φ14	490	730	132
RSR-65	65A	—	340	150	186	15	80	4-Φ14	530	780	173
RSR-80	80A	—	360	150	205	15	80	4-Φ18	690	970	245
RSR-100	100A	—	470	190	245	15	80	4-Φ18	720	1000	334
RSR-125	125A	350	500	180	240	20	100	6-Φ18	790	1230	451
RSR-150C	150A	350	590	250	—	20	100	6-Φ18	850	1300	506
RSR-150A	150A	375	590	195	268	20	100	6-Φ18	1070	1350	805
RSR-150	150A	375	590	250	325	20	100	6-Φ18	1070	1350	777
RSR-175A	150A	375	755	295	368	20	100	6-Φ18	1075	1350	860
RSR-175	150A	375	755	340	—	20	100	6-Φ18	1000	1350	860
RSR-200H	200A	500	755	300	373	25	120	6-Φ20	1290	1765	1324
RSR-200	200A	500	755	355	425	25	120	6-Φ20	1290	1765	1489
RSR-250D	250A	500	950	430	500	30	160	6-Φ22	1295	2010	2152
RSR-250	250A	745	875	385	485	30	160	6-Φ22	1320	2380	2978
RSR-300	300A	745	1080	420	580	30	160	6-Φ22	1550	2960	3310

Note: Ed, Nd for Single Oil Tank, Es, Ns for Double Oil Tank.
The weights not include the motor.

RSR Series Coupling Drive Drawings



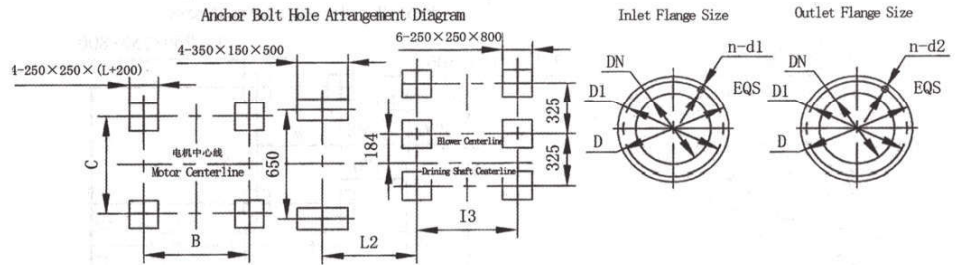
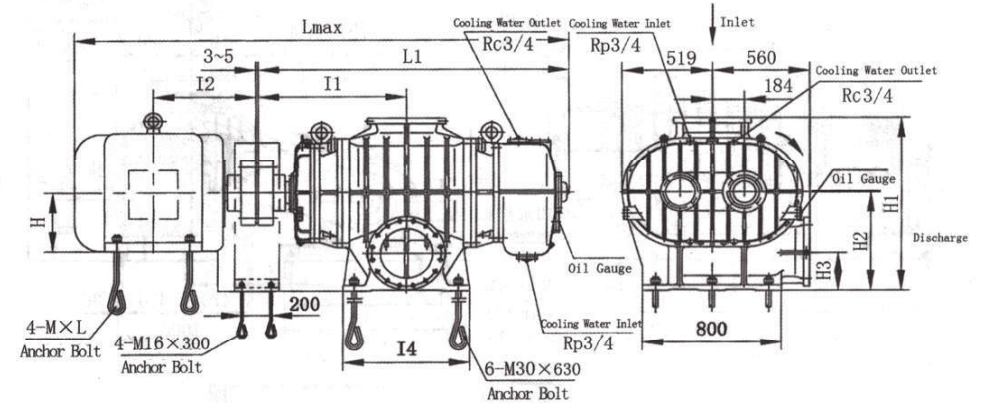
Model	Bore	A	B	C	D	E	F	G	H	J
RSR-50	50A	696	201	125	895	160	255	580	420	80
RSR-65	65A	756	221	135	950	200	255	600	440	80
RSR-80	80A	926	240	150	1250	265	290	820	500	160
RSR-100	100A	996	280	160	1320	295	290	880	630	125
RSR-125	125A	1077	290	185	1450	285	345	1000	710	145
RSR-150C	150A	1250	356	210	1730	350	400	1250	1010	120
RSR-150A	150A	1382	318	210	1730	335	400	1250	1010	120
RSR-150	150A	1439	375	210	1730	335	400	1250	1010	120
RSR-175A	150A	1482	418	210	1730	335	400	1500	1010	200
RSR-175	150A	1595	463	210	1800	410	410	1700	700	150
RSR-200H	200A	1739	463	250	2200	435	500	1700	1400	150
RSR-200	200A	1791	515	250	2200	435	500	1700	1400	150
RSR-250D	250A	1866	590	360	2240	435	500	2000	1800	100
RSR-250	250A	1800	580	360	2400	600	710	1700	1400	150
RSR-300	300A	1900	670	385	2780	650	710	1900	1600	150

Mode	Bore	L	M	Nd	Ns	P	Q	n-Φl	R	S	Weight(kg)
RSR-50	50A	—	300	130	166	15	80	4-Φ14	490	730	132
RSR-65	65A	—	340	150	186	15	80	4-Φ14	530	780	173
RSR-80	80A	—	360	150	205	15	80	4-Φ18	690	970	245
RSR-100	100A	—	470	190	245	15	80	4-Φ18	720	1000	334
RSR-125	125A	350	500	180	240	20	100	6-Φ18	790	1230	451
RSR-150C	150A	350	590	250	—	20	100	6-Φ18	850	1300	506
RSR-150A	150 A	375	590	195	268	20	100	6-Φ18	1070	1350	805
RSR-150	150A	375	590	250	325	20	100	6-Φ18	1070	1350	777
RSR-175A	150 A	375	755	295	368	20	100	6-Φ18	1075	1350	860
RSR-175	150A	375	755	340	—	20	100	6-Φ18	1000	1350	860
RSR-200H	200A	500	755	300	373	25	120	6-Φ20	1290	1765	1324
RSR-200	200A	500	755	355	425	25	120	6-Φ20	1290	1765	1489
RSR-250D	250A	500	950	430	500	30	160	6-Φ22	1295	2010	2152
RSR-250	250A	745	875	385	485	30	160	6-Φ22	1320	2380	2978
RSR-300	300A	745	1080	420	580	30	160	6-Φ22	1550	2960	3310

Note: Ed, Nd for Single Oil Tank, Es, Ns for Double Oil Tank.

The weights not include the motor.

MTRF Series Outline Drawings

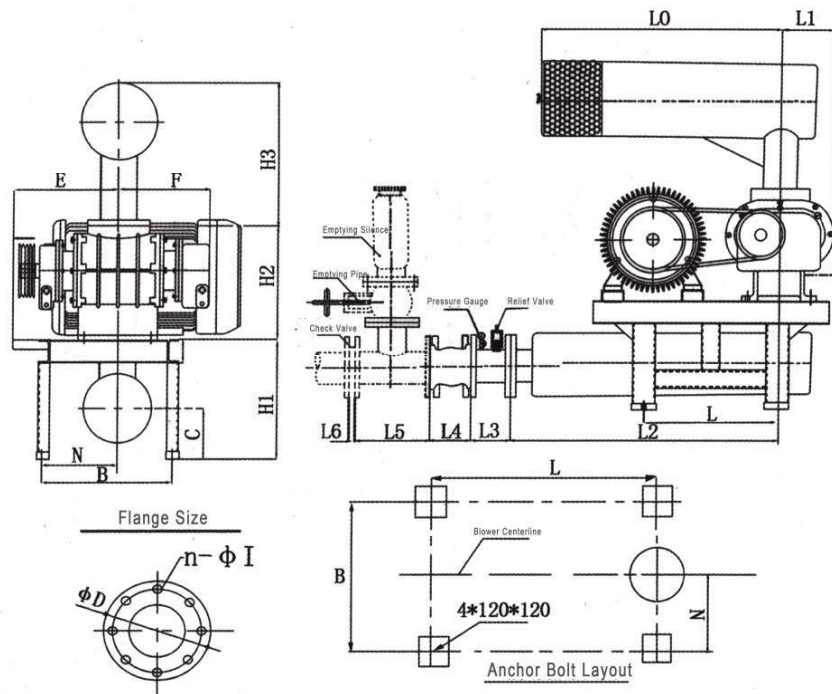


Model	H1	H2	H3	Lmax	L1	L2	L3	L4	DN	D1	D	n-d1	n-d2
MTRF-240	1040	570	210	3120	1540	532	730	400	480	250	350	395	12-Φ20
MTRF-250	1060	600	220	3230	1620	550	785	470	600	300	400	445	12-Φ22
MTRF-290	1090	630	250	3370	1720	535	835	600	690	350	460	505	16-Φ22
MTRF-300	1150	630	250	3695	2080	570	1015	890	1040	400	515	565	16-Φ26
MTRF-350	1180	660	280	3700	2170	570	1060	980	1130	450	565	615	16-Φ26

Dimensions of Motor

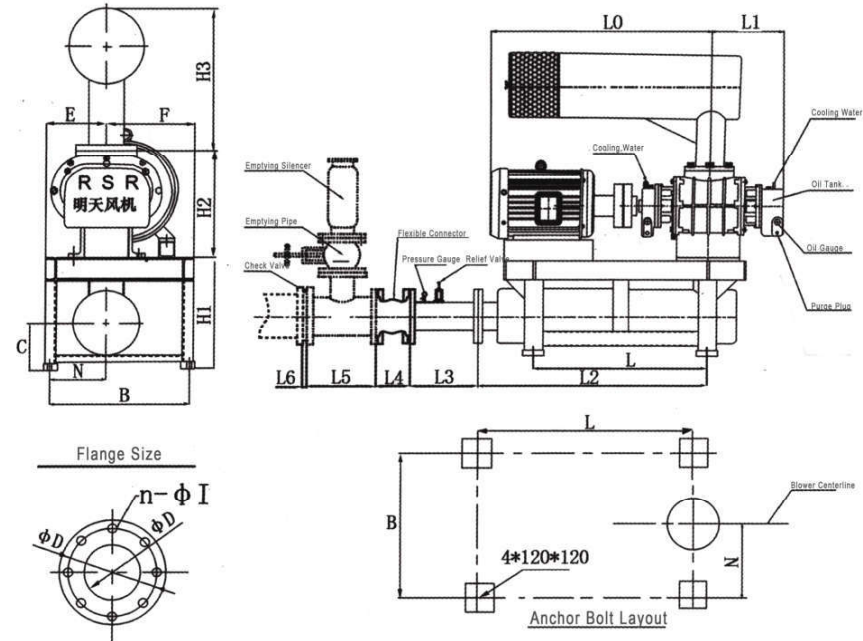
Motor	Y225		Y250		Y280		Y315		Y355		Y400		JS				
	S	M	S	M	S	M	S	M	S	M	S	M	117-6	125-6	127-6.8	136-6.8	137-6
B	286	311	349	368	419	406	457	508	560	630	1000	590	550	650	660	760	870
C	356	406	457	508	560	630	610	710	620	710	620	710	710	710	790	940	940
H	225	250	280	315	355	400	375	450	450	500	560	610	610	610	610	610	610
MXL	M16X300	M20X300	M24X300	M30X630	M20X300	M24X400	M36X800										
12	437	450	488	519	545	594	620	645	709	744	1050	760	770	820	840	890	1005

MJSR Series Belt Drive Drawings



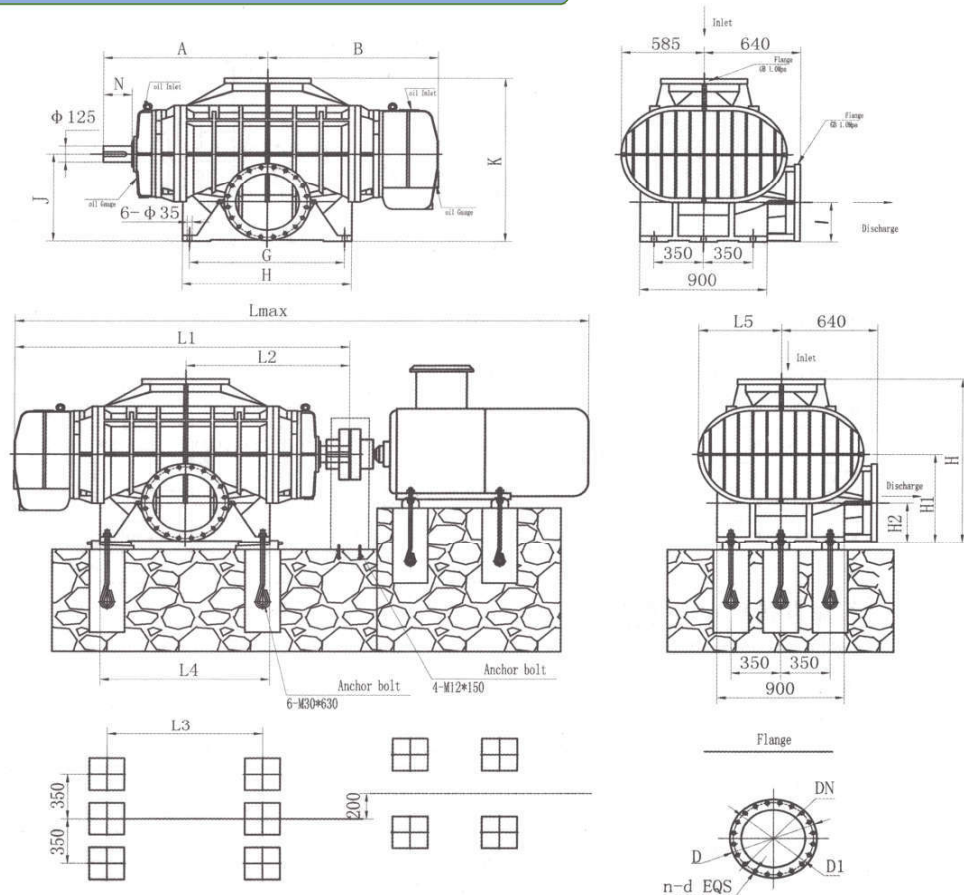
Model	L	B	L0	L1	L2	L3	L4	L5	L6	Nd	Ns	C	Ed	Es	F	HI	H2	H3	D	nΦI
MJSR80	500	360	700	175	800	150	135	320	19	165	220	150	245	300	240	375	305	420	160	8-18
MJSR100	520	470	750	175	1050	150	150	320	19	205	260	160	285	340	280	400	305	450	180	8-18
MJSR125	590	500	775	200	1100	150	165	320	21	200	260	185	290	356	290	450	370	453	210	8-18
MJSR150A	600	590	1050	240	1200	180	180	400	24	215	295	210	335	400	320	500	470	600	240	8-22
MJSR150	600	590	1050	240	1200	180	180	400	24	270	335	210	390	450	375	500	440	600	240	8-22
MJSR200H	760	755	1320	330	1700	225	190	400	29	325	400	250	485	555	465	580	570	730	295	8-22
MJSR200	760	755	1320	330	1700	225	190	400	29	380	460	250	536	605	515	580	570	730	295	8-22

MJSR Series Coupling Drive Drawings



Model	L	B	L0	L1	L2	L3	L4	L5	L6	N	C	E	F	H1	H2	H3	D	nΦI
MJSR80	500	450	780	240	800	150	135	320	19	190	150	190	260	375	305	420	160	8-18
MJSR100	600	450	820	280	1050	150	150	320	19	190	160	190	260	400	305	450	180	8-18
MJSR125	640	540	1000	290	1100	150	165	320	21	220	185	220	320	450	370	453	210	8-18
MJSR150A	860	650	1000	320	1200	180	180	400	24	265	210	265	320	500	470	600	240	8-22
MJSR150	860	650	1200	375	1200	180	180	400	24	265	210	265	385	500	470	600	240	8-22
MJSR200H	1240	755	1560	465	1700	225	190	400	29	320	250	320	530	580	570	730	295	8-22
MJSR200	1240	755	1700	515	1700	225	190	400	29	320	250	320	435	580	570	730	295	8-22

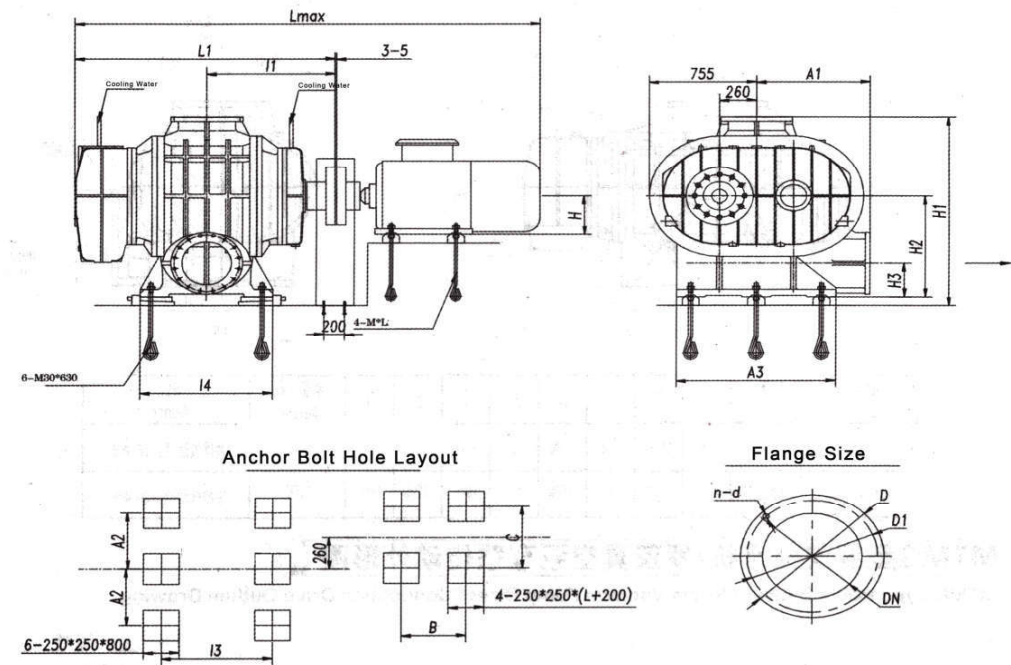
MTMG Series Outline Drawings



Model	Bore	A	B	G	H	I	J	K	N	Weight(kg)	Remarks
MTMG-395	DN400	1090	1140	950	1000	290	670	1260	200	5200	Flange: 16-026
MTMG-400	DN450	1160	1210	1100	1200	315	695	1295	200	5700	Flange: 20-026

Model	Lmax	L1	L2	L3	L4	L5	H	H1	H2	DN	D1	D	n-d
MTMG-395	5000	2230	1090	950	1000	585	1260	670	290	Φ400	Φ515	Φ565	16-Φ26
MTMG-400	5200	2370	1160	1100	1200	585	1295	695	315	Φ450	Φ565	Φ615	20-Φ26

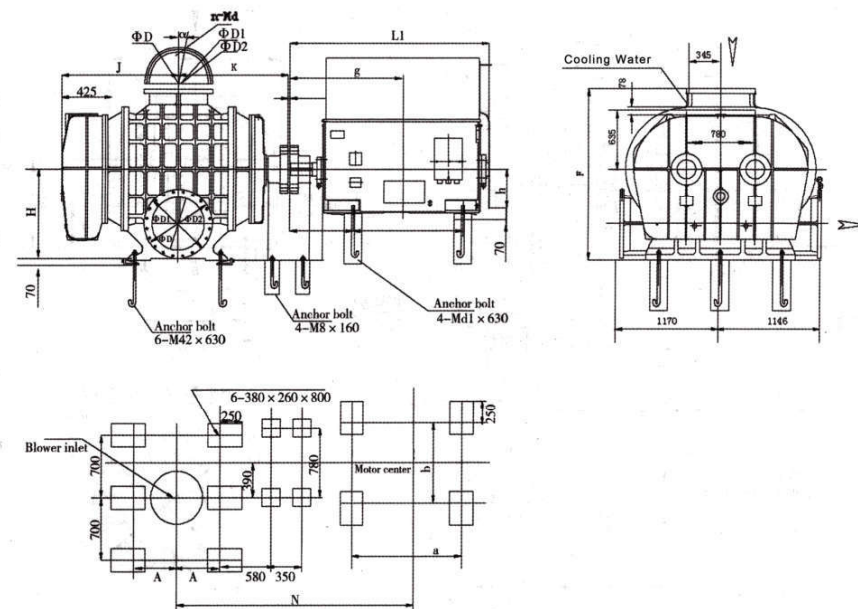
MTRG Series Outline Drawings



Model I	A1	A2	A3	H1	H2	H3	Lmax	L1	L2	I1	I3	I4	DN	D1	D	n-d2
MTRG-350	775	460	1120	1475	825	275	4955	1945	537	925	780	900	350	460	505	16-Φ22
MTRG-400				1500	850	300	5135	2125	577	1015	720	1000	400	515	565	16- Φ26
MTRG-445	1400			750	315	5315	2305	627	1105	940	1094	450	565	615	20-Φ26	
MTRG-450	1400			750	315	5355	2345	627	1125	940	1150	450	565	615		
MTRG-500	800	480	1160	1550	800	5965	2655	642	1280	1280	1400	500	620	670		
MTRG-600			1120	1650	900	400	5980	2680	490	1325	1350	1400	600	725	780	20-Φ27

Motor	Y315		Y355		Y450	Y500	Y560	JS							
	M	L	M	L				126-8	127-8.10	137-8.10	138-8.10	1410-8	1410-10	157-8.10	1510-8.10
C	457	508	560	630	1120	1250	1400	550	650	660	760	970	870	820	1020
B	508	610	610	610	800	900	1000	710	790	790	790	940	940	1100	1100
H	315	355	355	355	450	500	560	450	500	500	500	560	560	630	630
MXL	M24X400				M30X630	M36X800	M24X400				M36X800				
L3	620	645	709	744	1170	1355	1505	770	820	840	890	1055	1005	950	1055
L5	650				750			650				750			

MTRH Series Outline Drawings

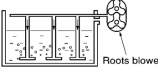
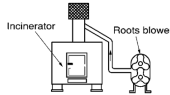
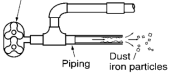
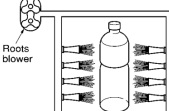
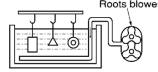
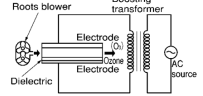
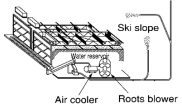
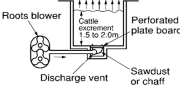
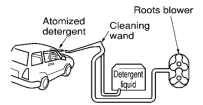
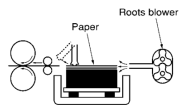
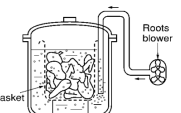
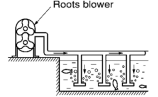
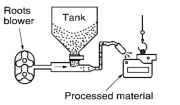
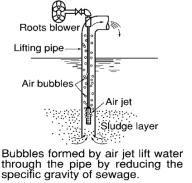
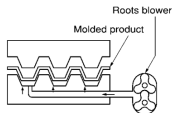
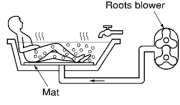
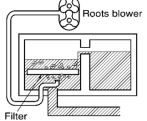
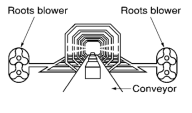
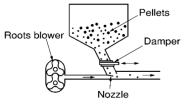
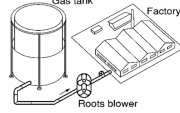


Model	a	b	h	g	d1	L1	Weight(kg)
Y355L	630	610	355	739	24	1530	1950
*Y450	1120	800	450	1165	30	2075	3890
*Y500	1250	900	500	1350	36	2220	5170
*Y560	1400	1000	560	1500	36	2900	6500
*Y630	1600	1120	630	1638	42	3100	9000

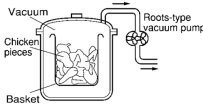
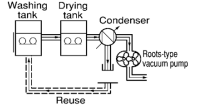
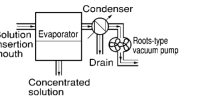
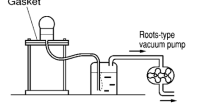
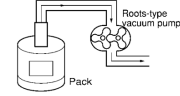
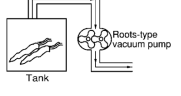
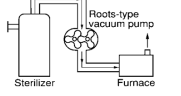
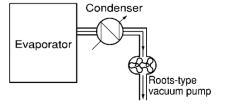
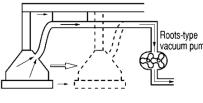
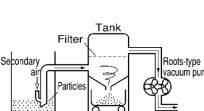
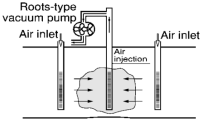
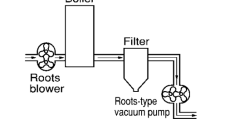
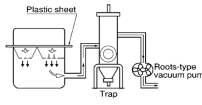
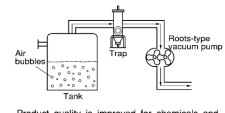
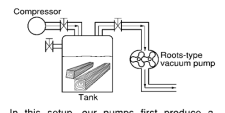
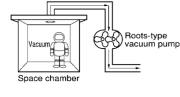
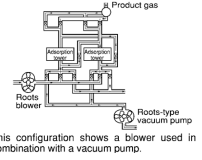
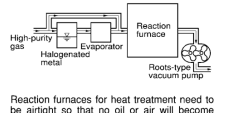
Model	A	D	DI	D2	n-Md	F	I	J	K	N	H	α	Weight (kg)
MTRH600	490	600	725	780	20-M27	1930	410	1333	1245	K+g+20	1025	9°	15500
MTRH700	670	700	840	895	24-M27	1990	465	1518	1438	K+g+20	1075	7.5°	18000
MTRH800	795	800	840	950	24-M30	1990	520	1643	1555	K+g+20	1130	7.5°	19300
MTRH900	920	900	1050	1115	28-M30	2150	580	1870	1705	K+g+20	1240	6.43°	22000

Unit:mm

Roots Blower Applications

Water Treatment  Blowers are used to purify water and stir up sediment at water treatment plants.	Incinerators  Blowers enhance combustion efficiency and promote the removal of exhaust gases.	Cleaning of Pipes  Blowers can be used to remove dust and iron particles when piping is replaced or periodically checked. They can also be used to supply various kinds of coating material to the interior of pipes.	Air Blower  Here blower is used to blow off drops of water clinging to surfaces of cans, bottles, machine parts, etc. Air blowers can also be used as sources of cooling or drying air.
Plating Bath  Plating quality can be enhanced by using a blower to circulate electrolytes in the plating bath to give the plating a more uniform thickness. Here blowers serve as the source of air supply.	Ozonizer  This blower is used as the air supply source for a high-concentration ozonizer.	Snow Machine  Ski resorts use blowers for pneumatic transport with artificial snow machines.	Fermentation  The stream of air provided by the blower promotes the fermentation of livestock excrement, etc., for efficient composting.
Atomization of Detergent  Blowers conserve energy at car washes by atomizing water and detergent.	Paper Feed for Printer  Air discharged from blowers facilitates the separation of sheets of paper as well as their distribution in neat piles after printing.	Frozen Food  Blowers are useful in the stir-freezing of frozen foods in water.	Aquaculture Oxygen Supply  Aquafarms producing all sorts of fish and shellfish use blowers to oxygenate and circulate the water in tanks. Blowers are also used for aquariums and live fish tanks.
Sand Blasting  Provides a concentrated blast of air for use in sandblasting.	Airlift Pump  Bubbles formed by air jet lift water through the pipe by reducing the specific gravity of sewage.	Press  Blower is used for lift when removing molded products from the press.	Medical Treatment Bath  Blowers supply the air that creates the whirlpool in a Jacuzzi hot tub. Many health centers and other facilities have introduced whirlpool baths for their therapeutic effects.
Back Washing  Blowers are used to optimize filter and filter material performance by backwashing.	Drying Line  Our blowers are used to good effect in small-scale drying lines.	Particle Transportation  Blower is used for the pneumatic conveyance of pelletized raw materials such as vinyl chloride and polyethylene (The vacuum method will work here as well).	Special Gas  Blowers serve vital functions in the supply of city gas, etc.

Roots Blower Applications

Food Processing  Vacuum conditions are useful in the seasoning of foods.	Vacuum Drying  Here, a Roots-type vacuum pump that can collect solvent drainage is ideal (used with drainage pot).	Vacuum Drying  Used to vacuum dry the moisture.	Leak Testes  Can be used in tests of airtightness.
Vacuum Packing of Food  Vacuum packing keeps foods such as meat and vegetables fresh.	Freeze Drying  Freshness and quality of vegetables and other foods can also be preserved by freezing the foods in tanks under vacuum conditions.	Sterilization Apparatus  Our pumps are used as vacuum sources in sterilizers.	Concentration/Distillation  In these processes, liquids are made more concentrated by evaporation, or the vapor produced is cooled and returned once again to liquid state.
Adsorption Conveyance  Adsorption conveyance by vacuum pump is well suited to heavy materials such as steel plates and easily breakable materials such as glass. Energy savings are promoted by the elimination of gripping operations.	Particle Transport  Used in the conveyance of rice, wheat, soybeans, resin pellets, etc.	Soil Remediation  Used in the decontamination of soil and groundwater.	Combustion Gas Recovery  Also used in the desulfurization of high-temperature combustion gas and flue gas.
Vacuum Molding  Roots-type vacuum pumps are used as vacuum sources for vacuum molders used with resins, etc. (trap attached).	Vacuum Defoaming  Product quality is improved for chemicals and pharmaceuticals by using a Roots-type vacuum pump to remove air bubbles by defoaming under vacuum.	Impregnation  In this setup, our pumps first produce a vacuum in the tank and then supply high pressure to facilitate the impregnation of parts with liquids or gases.	
Experiments  Dry vacuum pumps can be used to create a "space environment" on Earth by producing a vacuum state within a space chamber.	VPSA/PSA  This configuration shows a blower used in combination with a vacuum pump.	Heat Treatment  Reaction furnaces for heat treatment need to be airtight so that no oil or air will become admixed with the reactants. Roots-type vacuum pumps can meet this need.	

RSR Series

RSR-50 Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
1100	1.63	9.8	1.28	0.30	Y80M2-4	0.75	140	1730	2.56	9.8	2.23	0.47	Y80M2-4	0.75	158
		14.7	1.20	0.44	Y80M2-4	0.75				14.7	2.16	0.73	Y90S-4	1.1	
		19.6	1.16	0.59	Y80M2-4	0.75				19.6	2.09	1.06	Y90L-4	1.5	
		24.5	1.10	0.74	Y90S-4	1.1				24.5	2.04	1.16	Y90L-4	1.5	
		29.4	1.02	0.89	Y90S-4	1.1				29.4	1.99	1.43	Y100L1-4	2.2	
		34.3	0.96	1.03	Y90S-4	1.1				34.3	1.94	1.63	Y100L1-4	2.2	
		39.2	0.93	1.18	Y90L-4	1.5				39.2	1.90	1.86	Y100L1-4	2.2	
		44.1	0.91	1.33	Y90L-4	1.5				44.1	1.86	2.09	Y100L1-4	2.2	
		49.0	0.80	1.48	Y100L1-4	2.2				49.0	1.82	2.32	Y100L2-4	3	
		53.9	0.72	1.63	Y100L1-4	2.2				53.9	1.79	2.56	Y100L2-4	3	
		58.8	0.68	1.77	Y100L1-4	2.2				58.8	1.75	2.79	Y100L2-4	3	
		63.7	0.64	1.92	Y100L1-1	2.2				63.7	1.72	3.02	Y112M-4	4	
1230	1.82	9.8	1.36	0.33	Y80M2-4	0.75	140	1840	2.72	9.8	2.23	0.47	Y80M2-4	0.75	158
		14.7	1.32	0.50	Y80M2-4	0.75				14.7	2.16	0.73	Y90S-4	1.1	
		19.6	1.30	0.66	Y80M2-4	0.75				19.6	2.09	1.06	Y90L-4	1.5	
		24.5	1.23	0.83	Y90S-4	1.1				24.5	2.04	1.16	Y90L-4	1.5	
		29.4	1.15	0.99	Y90S-4	1.1				29.4	1.99	1.43	Y100L1-4	2.2	
		34.3	1.10	1.16	Y90L-4	1.5				34.3	1.94	1.63	Y100L1-4	2.2	
		39.2	1.06	1.32	Y90L-4	1.5				39.2	1.90	1.86	Y100L1-4	2.2	
		44.1	1.02	1.49	Y100L1-4	2.2				44.1	1.86	2.09	Y100L1-4	2.2	
		49.0	0.98	1.65	Y100L1-4	2.2				49.0	1.82	2.32	Y100L2-4	3	
		53.9	0.93	1.82	Y100L1-4	2.2				53.9	1.79	2.56	Y100L2-4	3	
		58.8	0.85	1.98	Y100L1-4	2.2				58.8	1.75	2.79	Y100L2-4	3	
		63.7	0.78	2.15	Y100L2-4	3				63.7	1.72	3.02	Y112M-4	4	
1350	1.99	9.8	1.53	0.36	Y80M2-4	0.75	158	1950	2.89	9.8	2.23	0.47	Y80M2-4	0.75	158
		14.7	1.49	0.54	Y80M2-4	0.75				14.7	2.16	0.73	Y90S-4	1.1	
		19.6	1.43	0.73	Y90S-4	1.1				19.6	2.09	1.06	Y90L-4	1.5	
		24.5	1.38	0.91	Y90S-4	1.1				24.5	2.04	1.16	Y90L-4	1.5	
		29.4	1.31	1.09	Y90L-4	1.5				29.4	1.99	1.43	Y100L1-4	2.2	
		34.3	1.26	1.27	Y90L-4	1.5				34.3	1.94	1.63	Y100L1-4	2.2	
		39.2	1.22	1.45	Y100L1-4	2.2				39.2	1.90	1.86	Y100L1-4	2.2	
		44.1	1.18	1.63	Y100L1-4	2.2				44.1	1.86	2.09	Y100L1-4	2.2	
		49.0	1.12	1.81	Y100L1-4	2.2				49.0	1.82	2.32	Y100L2-4	3	
		53.9	1.09	1.99	Y100L1-4	2.2				53.9	1.79	2.56	Y100L2-4	3	
		58.8	1.03	2.18	Y100L2-4	3				58.8	1.75	2.79	Y100L2-4	3	
		63.7	0.99	2.36	Y100L2-4	3				63.7	1.72	3.02	Y112M-4	4	
1450 *	2.15	9.8	1.82	0.39	Y80M2-4	0.75	158	2120	3.14	9.8	2.23	0.47	Y80M2-4	0.75	158
		14.7	1.64	0.58	Y80M2-4	0.75				14.7	2.16	0.73	Y90S-4	1.1	
		19.6	1.58	0.73	Y90S-4	1.1				19.6	2.09	1.06	Y90L-4	1.5	
		24.5	1.50	0.97	Y90S-4	1.1				24.5	2.04	1.16	Y90L-4	1.5	
		29.4	1.42	1.17	Y90L-4	1.5				29.4	1.99	1.43	Y100L1-4	2.2	
		34.3	1.38	1.27	Y90L-4	1.5				34.3	1.94	1.63	Y100L1-4	2.2	
		39.2	1.34	1.56	Y100L1-4	2.2				39.2	1.90	1.86	Y100L1-4	2.2	
		44.1	1.30	1.75	Y100L1-4	2.2				44.1	1.86	2.09	Y100L1-4	2.2	
		49.0	1.26	1.95	Y100L1-4	2.2				49.0	1.82	2.32	Y100L2-4	3	
		53.9	1.22	2.15	Y100L2-4	3				53.9	1.79	2.56	Y100L2-4	3	
		58.8	1.19	2.34	Y100L2-4	3				58.8	1.75	2.79	Y100L2-4	3	
		63.7	1.10	2.53	Y100L2-4	3				63.7	1.72	3.02	Y112M-4	4	
1530	2.26	9.8	1.93	0.44	Y80M2-4	0.75	158	2300	3.40	9.8	2.23	0.47	Y80M2-4	0.75	158
		14.7	1.86	0.76	Y90S-4	1.1				14.7	2.16	0.73	Y90S-4	1.1	
		19.6	1.79	0.82	Y90S-4	1.1				19.6	2.09	1.06	Y90L-4	1.5	
		24.5	1.74	1.06	Y90L-4	1.5				24.5	2.04	1.16	Y90L-4	1.5	
		29.4	1.69	1.23	Y90L-4	1.5				29.4	1.99	1.43	Y100L1-4	2.2	
		34.3	1.65	1.44	Y100L1-4	2.2				34.3	1.94	1.63	Y100L1-4	2.2	
		39.2	1.60	1.64	Y100L1-4	2.2				39.2	1.90	1.86	Y100L1-4	2.2	
		44.1	1.56	1.85	Y100L1-4	2.2				44.1	1.86	2.09	Y100L1-4	2.2	
		49.0	1.53	2.06	Y100L1-4	2.2				49.0	1.82	2.32	Y100L2-4	3	
		53.9	1.49	2.26	Y100L2-4	3				53.9	1.79	2.56	Y100L2-4	3	
		58.8	1.46	2.47	Y100L2-4	3				58.8	1.75	2.79	Y100L2-4	3	
		63.7	1.42	2.67	Y100L2-4	3				63.7	1.72	3.02	Y112M-4	4	
1640	2.43	9.8	2.10	0.44	Y80M2-4	0.75	158	2300	3.40	9.8	2.23	0.47	Y80M2-4	0.75	158
		14.7	2.02	0.74	Y90S-4	1.1				14.7	2.16	0.73	Y90S-4	1.1	
		19.6	1.96	0.94	Y90L-4	1.5				19.6	2.09	1.06	Y90L-4	1.5	
		24.5	1.91	1.10	Y90L-4	1.5				24.5	2.04	1.16	Y90L-4	1.5	
		29.4	1.86	1.32	Y90L-4	1.5				29.4	1.99	1.43	Y100L1-4	2.2	
		34.3	1.81	1.54	Y100L1-4	2.2				34.3	1.94	1.63	Y100L1-4	2.2	
		39.2	1.77	1.76	Y100L1-4	2.2				39.2	1.90	1.86	Y100L1-4	2.2	
		44.1	1.73	1.98	Y100L1-4	2.2				44.1	1.86	2.09	Y100L1-4	2.2	
		49.0	1.69	2.20	Y100L2-4	3				49.0	1.82	2.32	Y100L2-4	3	
		53.9	1.65	2.42	Y100L2-4	3				53.9	1.79	2.56	Y100L2-4	3	
		58.8	1.62	2.64	Y100L2-4	3				58.8	1.75	2.79	Y100L2-4	3	
		63.7	1.59	2.86	Y112M-4	4				63.7	1.72	3.02	Y112M-4	4	
		68.6	1.55	3.08	Y112M-4	4				73.5	2.50	4.63	Y132S-4	5.5	
		73.5	1.52	3.30	Y112M-4	4				78.4	2.47	4.95	Y132S-4	5.5	
		78.4	1.49	3.83	Y132S-4	5.5									

Note: Direct drive is adopted for model with: * * *

RSR Series

RSR-65 Tri-Lobe Roots Blower Performance Parameter Table

RSR Series

RSR-80 Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg										
					Type	Power kW							Type	Power kW											
1230	4.27		9.8	3.66	1.05	Y90L-4	1.5	1650	5.73		58.8	1.03	8.25	Y132M-4	7.5	302									
			14.7	3.56	1.49	Y100L-4	2.2				63.7	3.73	8.77	Y132M-4	7.5										
			19.6	3.15	1.56	Y100L-4	2.2				68.6	3.68	7.59	Y160M-4	11										
			24.5	3.36	2.33	Y100L-2.4	3.0				73.5	3.63	7.81	Y160M-4	11										
			29.4	3.29	2.19	Y100L-2.4	3.0				78.4	3.55	8.33	Y160M-4	11										
			34.3	3.22	2.71	Y112M-4	4.0				83.3	3.49	8.86	Y160M-4	11										
			39.2	3.15	3.11	Y112M-4	4.0				88.2	3.40	9.37	Y160M-4	11										
			44.1	3.09	3.49	Y112M-4	4.0				93.1	3.25	9.89	Y160M-4	11										
			49.0	3.03	3.98	Y132S-4	5.5				98.0	3.09	10.50	Y160L-4	15										
			53.9	2.97	4.27	Y132S-4	5.5				9.8	5.11	1.30	Y100L-1.4	2.2		1730	6.00		58.8	4.26	6.55	Y132M-4	7.5	302
			58.8	2.92	4.66	Y132S-4	5.5				14.7	4.91	2.18	Y100L-2.4	3										
			63.7	2.87	5.04	Y132S-4	5.5				19.6	4.82	2.39	Y100L-2.4	3										
			68.6	2.82	5.43	Y132M-4	7.5				24.5	4.73	3.07	Y112M-4	4										
			73.5	2.77	5.82	Y132M-4	7.5				29.4	4.68	3.28	Y112M-4	4										
			78.4	2.73	6.21	Y132M-4	7.5				34.3	4.60	3.92	Y132S-4	5.5										
			83.3	2.60	6.60	Y132M-4	7.5				39.2	4.55	4.37	Y132S-4	5.5										
			88.2	2.54	6.98	Y132M-4	7.5				44.1	4.46	4.91	Y132S-4	5.5										
			93.1	2.40	7.47	Y160M-4	11.0				49.0	4.40	5.46	Y132M-4	7.5										
			98.0	2.35	7.76	Y160M-4	11.0				53.9	4.32	6.00	Y132M-4	7.5										
			1300	4.51		9.8	3.80				1.12	Y90L-4	1.5	1730	6.00			58.8	4.26	6.55	Y132M-4	7.5	302		
14.7	3.69	1.56				Y100L-1.4	2.2	63.7	4.21	7.59	Y160M-4	11													
19.6	3.59	1.64				Y100L-1.4	2.2	68.6	4.16	7.64	Y160M-4	11													
24.5	3.51	2.15				Y100L-2.4	3.0	73.5	4.11	8.18	Y160M-4	11													
29.4	3.43	2.46				Y100L-2.4	3.0	78.4	4.06	8.73	Y160M-4	11													
34.3	3.36	2.97				Y112M-4	4.0	83.3	4.02	9.27	Y160M-4	11													
39.2	3.29	3.28				Y112M-4	4.0	88.2	3.98	9.82	Y160M-4	11													
44.1	3.23	3.69				Y132S-4	5.5	93.1	3.75	10.97	Y160L-4	15													
49.0	3.17	4.10				Y132S-4	5.5	98.0	3.65	11.91	Y160L-4	15													
53.9	3.12	4.51				Y132S-4	5.5	9.8	5.51	1.58	Y100L-1.4	2.2	1820			6.32			58.8	4.77	6.89	Y132M-4		7.5	302
58.8	3.06	4.92				Y132S-4	5.5	14.7	5.39	2.22	Y100L-2.4	3													
63.7	3.01	5.33				Y132M-4	7.5	19.6	5.30	2.95	Y112M-4	4													
68.6	2.96	5.74				Y132M-4	7.5	24.5	5.21	3.27	Y112M-4	4													
73.5	2.92	6.15				Y132M-4	7.5	29.4	5.13	3.98	Y132S-4	5.5													
78.4	2.87	6.56				Y132M-4	7.5	34.3	5.06	4.22	Y132S-4	5.5													
83.3	2.83	6.97				Y132M-4	7.5	39.2	5.00	4.59	Y132S-4	5.5													
88.2	2.78	7.53				Y160M-4	11.0	44.1	4.94	5.17	Y132S-4	5.5													
93.1	2.70	7.79				Y160M-4	11.0	49.0	4.88	5.74	Y132M-4	7.5													
98.0	2.61	8.20				Y160M-4	11.0	53.9	4.82	6.32	Y132M-4	7.5													
1360	4.72					9.8	3.91	1.11	Y90L-4	1.5	1820	6.32				58.8		4.77	6.89	Y132M-4	7.5	302			
			14.7	3.80	1.66	Y100L-1.4	2.2	63.7	4.52	7.46				Y160M-4	11										
			19.6	3.70	1.72	Y100L-1.4	2.2	68.6	4.47	8.04				Y160M-4	11										
			24.5	3.61	2.19	Y100L-2.4	3.0	73.5	4.32	8.61				Y160M-4	11										
			29.4	3.51	2.58	Y100L-2.4	3.0	78.4	4.28	9.18				Y160M-4	11										
			34.3	3.47	3.01	Y112M-4	4.0	83.3	4.13	9.76				Y160M-4	11										
			39.2	3.40	3.43	Y112M-4	4.0	88.2	4.09	10.33				Y160L-4	15										
			44.1	3.34	3.86	Y132S-4	5.5	93.1	4.01	10.90				Y160L-4	15										
			49.0	3.28	4.29	Y132S-4	5.5	98.0	3.92	11.48				Y160L-4	15										
			53.9	3.22	4.72	Y132S-4	5.5	9.8	5.59	1.54				Y100L-1.4	2.2	1900	6.59		58.8	4.85	7.59		Y160M-4	11	302
			58.8	3.17	5.15	Y132S-4	5.5	14.7	5.47	2.31				Y100L-2.4	3										
			63.7	3.12	5.58	Y132M-4	7.5	19.6	5.37	3.08				Y112M-4	4										
			68.6	3.07	6.01	Y132M-4	7.5	24.5	5.29	3.37				Y112M-4	4										
			73.5	3.02	6.43	Y132M-4	7.5	29.4	5.21	4.05				Y132S-4	5.5										
			78.4	2.98	6.86	Y132M-4	7.5	34.3	5.14	4.20				Y132S-4	5.5										
			83.3	2.93	7.59	Y160M-4	11.0	39.2	5.08	4.80				Y132S-4	5.5										
			88.2	2.89	7.72	Y160M-4	11.0	44.1	5.01	5.49				Y132M-4	7.5										
			93.1	2.85	8.15	Y160M-4	11.0	49.0	4.96	5.99				Y132M-4	7.5										
			98.0	2.70	8.58	Y160M-4	11.0	53.9	4.90	6.59				Y132M-4	7.5										
			1460 *	5.07		9.8	4.26	1.19	Y90L-4	1.5				1900	6.59		58.8	4.85	7.59	Y160M-4	11		302		
14.7	4.14	1.78				Y100L-1.4	2.2	63.7	4.60	7.79	Y160M-4	11													
19.6	4.05	2.17				Y100L-2.4	3.0	68.6	4.55	8.39	Y160M-4	11													
24.5	3.96	2.31				Y100L-2.4	3.0	73.5	4.70	8.99	Y160M-4	11													
29.4	3.88	3.10				Y112M-4	4.0	78.4	4.65	9.59	Y160M-4	11													
34.3	3.81	3.23				Y112M-4	4.0	83.3	4.61	10.69	Y160L-4	15													
39.2	3.75	3.99				Y132S-4	5.5	88.2	4.53	10.98	Y160L-4	15													
44.1	3.69	4.15				Y132S-4	5.5	93.1	4.46	11.38	Y160L-4	15													
49.0	3.63	4.61				Y132S-4	5.5	98.0	4.38	11.98	Y160L-4	15													
53.9	3.57	5.07				Y132S-4	5.5	9.8	6.28	2.25	Y100L-2.4	3	2100				7.29		58.8	5.59	8.25	Y160M-4		11	302
58.8	3.52	5.53				Y132M-4	7.5	14.7	6.17	2.95	Y112M-4	4													
63.7	3.37	5.99				Y132M-4	7.5	19.6	6.07	3.41	Y112M-4	4													
68.6	3.32	6.15				Y132M-4	7.5	24.5	5.99	4.26	Y132S-4	5.5													
73.5	3.27	6.91				Y132M-4	7.5	29.4	5.91	4.48	Y132M-4	5.5													
78.4	3.23	7.47				Y160M-4	11.0	34.3	5.84	4.64	Y132S-4	5.5													
83.3	3.10	7.83				Y160M-4	11.0	39.2	5.77	5.52	Y132M-4	7.5													
88.2	3.01	8.29				Y160M-4	11.0	44.1	5.71	5.96	Y132M-4	7.5													
93.1	2.95	8.75				Y160M-4	11.0	49.0	5.65	7.51	Y160M-4	11													
98.0	2.81	9.21				Y160M-4	11.0	53.9	5.59	7.69	Y160M-4	11													
1560	5.41					9.8	4.70	1.10	Y90L-4	1.5	2100	7.29					58.8	5.54	7.96	Y160M-4	11	302			
			14.7	4.59	1.48	Y100L-1.4	2.2	63.7	5.49	8.61				Y160M-4	11										
			19.6	4.49	2.21	Y100L-2.4	3.0	68.6	5.44	9.27				Y160M-4	11										
			24.5	4.41	2.77	Y112M-4	4.0	73.5	5.39	9.83				Y160M-4	11										
			29.4	4.33	3.36	Y112M-4	4.0	78.4	5.35	10.95				Y160L-4	15										
			34.3	4.23	3.45	Y112M-4	4.0	83.3	5.30	11.26				Y160L-4	15										
			39.2	4.12	3.94	Y132S-4	5.5	88.2	5.26	12.92				Y160L-4	15										
			44.1	4.03	4.43	Y132S-4	5.5	93.1	6.22	12.58				Y160L-4	15										
			49.0	3.91	4.92	Y132S-4	5.5	98.0	5.18	13.24				Y160L-4	15										
			53.9	3.82	5.48	Y132M-4	7.5	9.8	6.43	2.47				Y100L-2.4	3	2300	7.98		58.8	6.36	2.92		Y112M-4	4	345
			58.8	3.77	5.91	Y132M-4	7.5	14.7	6.36	2.92				Y112M-4	4										
			63.7	3.67	6.40	Y132M-4	7.5	19.6	6.26	3.50				Y132S-4	5.5										
			68.6	3.57	6.89	Y132M-4	7.5	24.5	6.18	4.53				Y132S-4	5.5										
			73.5	3.50	7.48	Y160M-4	11.0	29.4	6.10	4.85				Y132S-4	5.5										
			78.4	3.42	7.87	Y160M-4	11.0	34.3	6.03	5.71				Y132M-4	7.5										
			83.3	3.33	8.36	Y160M-4	11.0	39.2	5.97	5.80				Y132M-4	7.5										
			88.2	3.23	8.86	Y160M-4	11.0	44.1	5.90	6.53				Y132M-4	7.5										
			93.1	3.12	9.35	Y160M-4	11.0	49.0	5.80	7.25				Y132M-4	7.5										
			98.0	3.03	9.84	Y160M-4	11.0	53.9	5.79	7.98				Y160M-4	11										
			1650	5.73		9.8	4.60	1.56	Y100L-1.4	2.2				2300	7.98		68.8	5.74	8.70	Y160M-4	11		345		
14.7	4.56	2.15				Y100L-1.4	3.0	63.7	5.69	9.43	Y160M-4	11													
19.6	4.48	2.29				Y100L-2.4	3.0	68.6	5.64	10.16	Y160M-4	11													
24.5	4.42	2.96				Y112M-4	4.0	73.5	5.59	10.98	Y160L-4	15													
29.4	4.34	3.13				Y112M-4	4.0	78.4	5.54	11.60	Y160L-4	15													
34.3	4.27	4.10				Y132S-4	5.5	83.3	5.50	12.33	Y160L-4	15													
39.2	4.24	4.17				Y132S-4	5.5	88.2	5.46	13.92	Y180M-4	5													
44.1	4.20	4.69				Y132S-4	5.5	93.1	5.41	14.59	Y180M-4	18.5													
49.0	4.15	5.81				Y132M-4	7.5	98.0	5.37	15.36	Y180M-4	18.6													
53.9	4.08	5.73				Y132M-4	7.5																		

RSR Series

RSR-125 Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
980 *	7.54	9.8	6.61	3.07	Y132M1-6	4	408	1530	11.77	19.6	10.16	5.56	Y132M-4	7.5	521
		14.7	6.40	4.06	Y132M2-6	5.5				24.5	10.10	5.84	Y132M2-6	7.5	
		19.6	6.23	4.17	Y132M2-6	5.5				29.4	9.86	7.52	Y160M-4	11	
		24.5	6.07	4.43	Y132M2-6	5.5				34.3	9.74	7.79	Y160M-4	11	
		29.4	5.93	4.71	Y132M2-6	5.5				39.2	9.62	8.56	Y160M-4	11	
		34.3	5.80	4.97	Y132M2-6	5.5				44.1	9.50	10.44	Y160L-4	15	
		39.2	5.68	5.48	Y160M-6	7.5				49.0	9.40	10.69	Y160L-4	15	
		44.1	5.57	6.17	Y160M-6	7.5				53.9	9.29	11.76	Y160L-4	15	
		49.0	5.46	6.85	Y160M-6	7.5				58.8	9.20	12.63	Y160L-4	15	
		53.9	5.34	7.54	Y160L-6	11				63.7	9.11	14.21	Y180M-4	18.5	
		58.8	5.26	8.22	Y160L-6	11				68.6	9.02	14.97	Y180M-4	18.5	
		63.7	5.17	8.91	Y160L-6	11				73.5	8.93	16.04	Y180M-4	18.5	
		68.6	5.08	9.59	Y160L-6	11				78.4	8.85	17.49	Y180L-4	22	
		73.5	5.00	10.47	Y180L-6	15				83.3	8.76	18.00	Y180L-4	22	
		78.4	4.91	10.96	Y180L-6	15				88.2	8.69	19.24	Y180L-4	22	
		83.3	4.83	11.74	Y112M-4	4				93.1	8.61	20.97	Y200L-4	30	
		88.2	4.74	12.62	Y132S-4	5.5				98.0	8.54	21.38	Y200L-4	30	
		93.1	4.66	13.50	Y132S-4	5.5				9.8	11.21	2.93	Y112M-4	4	
		98.0	4.58	14.38	Y132S-4	5.5				14.7	11.01	4.65	Y132S-4	5.5	
1200	9.23	29.4	7.62	5.66	Y132M2-6	7.5	451	1630	12.55	19.6	10.83	6.13	Y132M-4	7.5	521
		34.3	7.50	5.87	Y132M2-6	7.5				24.5	10.67	7.53	Y160M-4	11	
		39.2	7.38	6.71	Y132M2-6	7.5				29.4	10.53	7.69	Y160M-4	11	
		44.1	7.26	7.55	Y160M-4	11				34.3	10.41	8.98	Y160M-4	11	
		49.0	7.16	8.39	Y160M-4	11				39.2	10.29	9.11	Y160M-4	11	
		53.9	7.05	9.23	Y160M-4	11				44.1	10.17	10.85	Y160L-4	15	
		58.8	6.96	10.06	Y160M-4	11				49.0	10.07	11.39	Y160L-4	15	
		63.7	6.86	10.90	Y160L-4	15				53.9	9.96	12.53	Y160L-4	15	
		68.6	6.78	11.74	Y160L-4	15				58.8	9.87	14.67	Y180M-4	18.5	
		73.5	6.69	12.58	Y160L-4	15				63.7	9.77	14.81	Y180M-4	18.5	
		78.4	6.61	13.42	Y160L-4	15				68.6	9.69	15.95	Y180M-4	18.5	
		83.3	6.52	14.26	Y180M-4	18.5				73.5	9.60	18.19	Y180L-4	22	
		88.2	6.45	15.09	Y180M-4	18.5				78.4	9.52	22.00	Y180M-4	22	
		93.1	6.37	15.93	Y180M-4	18.5				83.3	9.43	19.36	Y180L-4	22	
		98.0	6.30	16.77	Y180M-4	18.5				88.2	9.36	21.45	Y200L-4	30	
		9.8	9.15	3.05	Y112M-4	4				93.1	9.28	21.64	Y200L-4	30	
		14.7	8.94	4.12	Y132S-4	5.5				98.0	9.21	22.78	Y200L-4	30	
		19.6	8.77	4.71	Y132S-4	5.5				9.8	11.94	4.15	Y132S-4	5.5	
		24.5	8.61	5.35	Y132M2-6	7.5				14.7	11.73	5.08	Y132M2-6	7.5	
29.4	8.47	5.79	Y132M2-6	7.5	19.6	11.55	6.28	Y132M2-6	7.5						
34.3	8.34	6.41	Y132M2-6	7.5	24.5	11.40	7.86	Y160M-4	11						
39.2	8.22	7.32	Y160M-4	11	29.4	11.26	8.26	Y160M-4	11						
44.1	8.11	8.24	Y160M-4	11	34.3	11.13	8.56	Y160M-4	11						
49.0	8.00	9.16	Y160M-4	11	39.2	11.01	10.36	Y160L-4	15						
53.9	7.90	10.07	Y160M-4	11	44.1	10.90	11.00	Y160L-4	15						
58.8	7.80	10.99	Y160L-4	15	49.0	10.79	12.23	Y160L-4	15						
63.7	7.71	11.90	Y160L-4	15	53.9	10.69	14.45	Y180M-4	18.5						
68.6	7.62	12.82	Y160L-4	15	58.8	10.59	14.68	Y180M-4	18.5						
73.5	7.54	13.73	Y160L-4	15	63.7	10.50	15.90	Y180M-4	18.5						
78.4	7.45	14.65	Y180M-4	18.5	68.6	10.41	17.82	Y180L-4	22						
83.3	7.37	15.56	Y180M-4	18.5	73.5	10.32	18.34	Y180L-4	22						
88.2	7.29	16.48	Y180M-4	18.5	78.4	10.24	19.57	Y180L-4	22						
93.1	7.22	18.31	Y180L-4	22	83.3	10.16	21.79	Y200L-4	30						
98.0	7.14	18.45	Y180L-4	22	88.2	10.08	22.01	Y200L-4	30						
9.8	9.77	3.12	Y112M-4	4	93.1	10.00	23.23	Y200L-4	30						
14.7	9.56	3.77	Y132S-4	5.5	98.0	9.93	24.46	Y200L-4	30						
19.6	9.38	3.89	Y132S-4	5.5	9.8	12.61	4.18	Y132S-4	5.5						
24.5	9.23	5.74	Y132M2-6	7.5	14.7	12.40	5.47	Y132M2-6	7.5						
29.4	9.09	5.83	Y132M2-6	7.5	19.6	12.22	7.46	Y160M-4	11						
34.3	8.96	7.65	Y160M-4	11	24.5	12.07	8.75	Y160M-4	11						
39.2	8.81	7.77	Y160M-4	11	29.4	11.93	9.76	Y160M-4	11						
44.1	8.73	8.74	Y160M-4	11	34.3	11.80	10.97	Y160L-4	15						
49.0	8.62	9.72	Y160M-4	11	39.2	11.68	11.34	Y160L-4	15						
53.9	8.52	10.69	Y160L-4	15	44.1	11.57	12.64	Y160L-4	15						
58.8	8.42	11.66	Y160L-4	15	49.0	11.46	14.29	Y180M-4	18.5						
63.7	8.33	12.63	Y160L-4	15	53.9	11.36	14.62	Y180M-4	18.5						
68.6	8.24	14.40	Y180M-4	18.5	58.8	11.26	15.51	Y180M-4	18.5						
73.5	8.15	14.57	Y180M-4	18.5	63.7	11.17	17.78	Y180L-4	22						
78.4	8.07	15.54	Y180M-4	18.5	68.6	11.08	19.00	Y180L-4	22						
83.3	7.99	16.51	Y180M-4	18.5	73.5	10.99	19.39	Y180L-4	22						
88.2	7.91	17.88	Y180L-4	22	78.4	10.91	20.68	Y200L-4	30						
93.1	7.83	18.45	Y180L-4	22	83.3	10.83	21.96	Y200L-4	30						
98.0	7.76	19.43	Y180L-4	22	88.2	10.75	23.27	Y200L-4	30						
9.8	10.03	3.11	Y112M-4	4	93.1	10.67	24.56	Y200L-4	30						
14.7	9.82	4.21	Y132S-4	5.5	98.0	10.60	25.85	Y200L-4	30						
19.6	9.64	4.56	Y132S-4	5.5	9.8	13.66	6.03	Y132M2-6	7.5						
24.5	9.49	5.70	Y132M2-6	7.5	14.7	13.45	7.55	Y160M-4	11						
29.4	9.35	6.08	Y132M2-6	7.5	19.6	13.28	8.03	Y160M-4	11						
34.3	9.22	7.36	Y160M-4	11	24.5	13.12	8.86	Y160M-4	11						
39.2	9.10	8.11	Y160M-4	11	29.4	12.98	10.45	Y160L-4	15						
44.1	8.99	9.12	Y160M-4	11	34.3	12.85	10.79	Y160L-4	15						
49.0	8.89	10.53	Y160L-4	15	39.2	12.73	11.18	Y160L-4	15						
53.9	8.78	11.15	Y160L-4	15	44.1	12.62	14.31	Y180M-4	18.5						
58.8	8.68	12.16	Y160L-4	15	49.0	12.51	15.98	Y180M-4	18.5						
63.7	8.57	13.17	Y160L-4	15	53.9	12.41	17.28	Y180M-4	18.5						
68.6	8.50	14.69	Y180M-4	18.5	58.8	12.32	17.77	Y180L-4	22						
73.5	8.41	15.20	Y180M-4	18.5	63.7	12.22	17.00	Y180L-4	22						
78.4	8.33	16.21	Y180M-4	18.5	68.6	12.13	20.57	Y200L-4	30						
83.3	8.25	17.23	Y180L-4	22	73.5	12.05	21.46	Y200L-4	30						
88.2	8.17	18.24	Y180L-4	22	78.4	11.96	22.36	Y200L-4	30						
93.1	8.09	19.25	Y180L-4	22	83.3	11.88	23.76	Y200L-4	30						
98.0	8.02	20.26	Y180L-4	22	88.2	11.80	25.15	Y200L-4	30						
9.8	10.54	2.96	Y112M-4	4	93.1	11.73	28.11	Y225S-4	37						
14.7	10.34	4.13	Y132S-4	5.5	98.0	11.65	31.59	Y225S-4	37						

RSR Series

RSR-150 Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
970 *	17.98	9.8	15.05	4.27	Y132M2-6	5.5	735	1400	25.95	53.9	21.32	25.91	Y225L-4	30	777
		14.7	14.68	5.59	Y160M-6	7.5				58.8	21.07	28.46	Y225S-4	37	
		19.6	14.38	7.92	Y160L-6	11				63.7	20.98	33.62	Y225S-4	37	
		24.5	14.10	9.16	Y160L-6	11				66.6	20.93	35.07	Y225M-4	45	
		29.4	14.06	10.57	Y180L-6	15				73.5	20.85	36.33	Y225M-4	45	
		34.3	13.93	11.43	Y180L-6	15				78.4	20.73	37.68	Y225M-1	45	
		39.2	13.72	13.06	Y180L-6	15				83.3	20.63	40.04	Y225M-4	45	
		44.1	13.62	14.69	Y200L-6	18.5				88.2	20.48	43.39	Y250M-4	55	
		49.0	13.55	16.32	Y200L-6	18.5				93.1	20.31	45.75	Y250M-4	55	
		53.9	13.46	17.95	Y200L-2-6	22				98.0	20.12	47.10	Y250M-4	55	
		58.8	13.39	19.58	Y200L-2-6	22				9.8	24.23	7.42	Y160M-4	11	
		63.7	13.23	21.22	Y225M-6	30				14.7	24.13	11.13	Y160L-4	15	
		68.6	13.13	22.85	Y225M-6	30				19.6	24.08	14.84	Y180M-4	18.5	
		73.5	13.03	24.48	Y225M-6	30				24.5	23.92	18.55	Y180L-4	22	
		78.4	12.97	26.11	Y225M-6	30				29.4	23.82	19.08	Y180L-4	22	
		83.3	12.90	27.54	Y225M-6	30				34.3	23.72	21.48	Y200L-4	30	
		88.2	12.81	29.37	Y250M-6	37				39.2	23.61	22.95	Y200L-4	30	
		93.1	12.76	31.01	Y250M-6	37				44.1	23.50	23.26	Y200L-4	30	
		98.0	12.63	32.64	Y250M-6	37				49.0	23.44	24.73	Y200L-4	30	
1100	20.57	9.8	17.34	5.80	Y112M-4	7.5	777	1470 *	27.24	53.9	23.31	28.80	Y225S-4	37	777
		14.7	17.28	7.21	Y160M-4	11				58.8	23.09	29.68	Y225S-4	37	
		19.6	17.10	7.47	Y160M-4	11				63.7	22.12	34.04	Y225M-4	45	
		24.5	16.90	10.51	Y160L-4	15				68.6	22.01	35.62	Y225M-4	45	
		29.4	16.75	11.21	Y160L-4	15				73.5	21.95	37.10	Y225M-4	45	
		34.3	16.53	14.71	Y180M-4	18.5				78.4	21.88	39.57	Y225M-4	45	
		39.2	16.32	14.94	Y180M-4	18.5				83.3	21.76	42.04	Y250M-4	55	
		44.1	16.12	17.80	Y180L-4	22				88.2	21.65	44.51	Y250M-4	55	
		49.0	15.96	18.68	Y180L-4	22				93.1	21.53	46.99	Y250M-4	55	
		53.9	15.90	21.75	Y200L-4	30				98.0	21.38	49.46	Y250M-4	55	
		58.8	15.79	22.41	Y200L-4	30				9.8	26.31	11.81	Y160L-4	15	
		63.7	15.62	24.28	Y200L-4	30				14.7	25.80	14.27	Y180M-4	18.5	
		68.6	15.57	26.14	Y200L-4	30				19.6	25.55	17.35	Y180L-4	22	
		73.5	15.42	28.01	Y200L-4	30				24.5	25.40	18.87	Y180L-4	22	
		78.4	15.37	29.88	Y225S-4	37				29.4	25.23	21.03	Y200L-4	30	
		83.3	15.23	31.75	Y225S-4	37				34.3	25.15	22.89	Y200L-4	30	
		88.2	15.19	33.61	Y225S-4	37				39.2	25.03	23.09	Y200L-4	30	
		93.1	15.06	35.48	Y225M-4	45				44.1	24.95	24.60	Y225S-4	37	
		98.0	14.93	37.35	Y225M-4	45				49.0	24.88	32.86	Y225S-4	37	
1180	21.87	9.8	18.66	5.51	Y132M-4	7.5	777	1620	30.03	53.9	24.71	33.98	Y225S-4	37	1002
		14.7	18.56	7.66	Y160M-4	11				58.8	24.53	35.63	Y225M-4	45	
		19.6	18.32	10.21	Y160L-4	15				63.7	24.42	36.43	Y225M-4	45	
		24.5	18.12	10.51	Y160L-4	15				68.6	24.35	44.92	Y250M-4	55	
		29.4	17.99	11.91	Y160L-4	15				73.5	24.20	45.28	Y250M-4	55	
		34.3	17.85	14.71	Y180M-4	18.5				78.4	24.13	48.60	Y250M-4	55	
		39.2	17.70	16.82	Y180L-4	22				83.3	24.02	52.52	Y280S-4	75	
		44.1	17.56	17.87	Y180L-4	22				88.2	23.86	53.19	Y280S-4	75	
		49.0	17.46	21.02	Y200L-4	30				93.1	23.72	54.83	Y280S-4	75	
		53.9	17.35	21.84	Y200L-4	30				98.0	23.63	55.12	Y280S-4	75	
		58.8	17.23	23.82	Y200L-4	30				9.8	27.81	14.58	Y180M-4	18.5	
		63.7	17.12	25.81	Y200L-4	30				14.7	27.32	18.01	Y180L-4	22	
		68.6	17.02	27.79	Y200L-4	30				19.6	27.16	19.47	Y180L-4	22	
		73.5	16.92	29.78	Y225S-4	37				24.5	27.06	21.82	Y200L-4	30	
		78.4	16.82	31.76	Y225S-4	37				29.4	26.88	22.45	Y200L-4	30	
		83.3	16.73	33.75	Y225S-4	37				34.3	26.75	23.92	Y200L-4	30	
		88.2	16.50	35.73	Y225M-4	45				39.2	26.62	30.19	Y225S-4	37	
		93.1	16.41	37.71	Y225M-4	45				44.1	26.55	31.47	Y225S-4	37	
		98.0	16.25	39.70	Y225M-4	45				49.0	26.42	32.82	Y225S-4	37	
1240	22.98	9.8	20.55	5.61	Y132M-4	7.5	777	1730	32.06	53.9	26.35	35.89	Y225M-4	45	1002
		14.7	20.45	7.71	Y160M-4	11				58.8	26.21	37.93	Y225M-4	45	
		19.6	20.37	11.02	Y160L-4	15				63.7	26.15	43.56	Y250M-4	55	
		24.5	20.17	12.43	Y160L-4	15				68.6	26.04	45.14	Y250M-4	55	
		29.4	20.08	14.08	Y180M-4	18.5				73.5	25.81	47.66	Y250M-4	55	
		34.3	20.00	14.61	Y180M-4	18.5				78.4	25.72	51.39	Y280S-4	75	
		39.2	19.83	17.66	Y180L-4	22				83.3	25.62	53.65	Y280S-4	75	
		44.1	19.74	18.98	Y180L-4	22				88.2	25.55	55.47	Y280S-4	75	
		49.0	19.65	21.86	Y200L-4	30				93.1	25.42	59.87	Y280S-4	75	
		53.9	19.54	22.95	Y200L-4	30				98.0	25.31	61.21	Y280S-4	75	
		58.8	19.43	25.03	Y200L-4	30				9.8	30.19	11.51	Y160L-4	15	
		63.7	19.32	27.12	Y200L-4	30				14.7	29.88	22.26	Y200L-4	30	
		68.6	19.12	29.21	Y225S-4	37				19.6	29.75	23.01	Y200L-4	30	
		73.5	19.03	31.29	Y225S-4	37				24.5	29.65	25.97	Y200L-4	30	
		78.4	18.93	33.38	Y225S-4	37				29.4	29.55	28.76	Y225S-4	37	
		83.3	18.72	36.46	Y225M-4	45				34.3	29.38	30.98	Y225S-4	37	
		88.2	18.62	37.55	Y225M-4	45				39.2	29.23	34.53	Y225S-4	37	
		93.1	17.96	39.63	Y225M-4	45				44.1	29.14	37.36	Y225M-4	45	
		98.0	17.34	43.72	Y250M-4	55				49.0	29.03	40.84	Y225M-4	45	
1400	25.95	9.8	22.32	7.70	Y160M-4	11	777	1900	35.22	53.9	29.93	42.93	Y250M-4	55	1002
		14.7	22.20	11.57	Y160L-4	15				58.8	28.84	45.61	Y250M-4	55	
		19.6	22.05	13.05	Y160L-4	15				63.7	28.75	47.55	Y250M-4	55	
		24.5	21.95	16.30	Y180M-4	18.5				68.6	28.55	49.75	Y250M-4	55	
		29.4	21.82	18.17	Y180L-4	22				73.5	28.37	53.75	Y280S-4	75	
		34.3	21.72	18.55	Y180L-4	22				78.4	28.29	54.14	Y280S-4	75	
		39.2	21.60	21.20	Y200L-4	30				83.3	28.20	55.34	Y280S-4	75	
		44.1	21.53	22.31	Y200L-4	30				88.2	28.05	57.53	Y280S-4	75	
		49.0	21.4	23.6	Y200L-4	30.0				93.1	27.95	60.73	Y280S-4	75	
										98.0	27.86	63.92	Y280S-4	75	

RSR Series

RSR-175 Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
970 *	27.18	9.8	22.17	7.35	Y160L-6	11	933	1400	39.23	9.8	33.19	11.68	Y160L-4	15	1150
		14.7	21.82	8.40	Y160L-6	11				14.7	33.78	15.74	Y180M-4	18.5	
		19.6	21.41	11.84	Y180L-6	15				19.6	32.45	18.31	Y180L-4	22	
		24.5	21.02	12.34	Y180L-6	15				24.5	32.12	22.03	Y200L-4	30	
		29.4	20.73	14.80	Y200L1-6	18.5				29.4	31.72	23.36	Y200L-4	30	
		34.3	20.41	17.27	Y200L2-6	22				34.3	31.56	25.92	Y200L-4	30	
		39.2	20.15	19.74	Y200L2-6	22				39.2	31.25	28.48	Y225S-4	37	
		44.1	19.94	22.20	Y225M-6	30				44.1	31.11	32.04	Y225S-4	37	
		49.0	19.71	24.67	Y225M-6	30				49.0	30.88	37.60	Y225M-4	45	
		53.9	19.45	27.14	Y225M-6	30				53.9	30.73	39.16	Y225M-4	45	
		58.8	19.21	29.60	Y250M-6	37				58.8	30.51	43.72	Y250M-4	55	
		9.8	25.76	7.77	Y160M-4	11	1104	1520	42.59	9.8	36.12	16.92	Y180M-4	18.5	1150
1100	31.1	14.7	25.23	12.17	Y160L-4	15				14.7	35.76	18.91	Y180L-4	22	
		19.6	24.79	13.29	Y160L-4	15				19.6	35.45	20.40	Y180L-4	22	
		24.5	24.40	14.12	Y180M-1	18.5				24.5	35.12	24.74	Y200L-4	30	
		29.4	21.04	19.06	Y180L-4	22				29.4	34.83	26.19	Y200L-4	30	
		34.3	23.72	19.76	Y180L-4	22				34.3	34.58	30.44	Y225S-4	37	
		39.2	23.51	22.58	Y200L-4	30				39.2	34.35	31.92	Y225S-4	37	
		44.1	23.43	25.10	Y200L-4	30				44.1	34.09	37.79	Y225M-4	45	
		49.0	23.26	29.23	Y225S-4	37				49.0	33.89	38.65	Y225M-4	45	
		53.9	23.13	31.05	Y225S-4	37				53.9	33.73	43.52	Y250M-4	55	
		58.8	22.86	33.87	Y250S-4	37				58.8	33.48	46.38	Y250M-4	55	
1180	33.06	9.8	27.58	8.75	Y160M-4	11	1104	1620	45.39	9.8	38.45	14.83	Y180M-4	18.5	1150
		14.7	27.13	10.13	Y160L-4	15				14.7	38.08	17.12	Y180L-4	22	
		19.6	26.81	14.51	Y180M-4	5				19.6	37.75	22.82	Y200L-4	30	
		24.5	26.44	18.88	Y180L-4	22				24.5	37.44	23.18	Y200L-4	30	
		29.4	26.14	20.01	Y180L-4	22				29.4	37.14	28.80	Y225S-4	37	
		34.3	25.86	21.61	Y200L-4	30				34.3	36.86	29.84	Y225S-4	37	
		39.2	25.62	24.01	Y200L-4	30				39.2	36.65	32.96	Y225S-4	37	
		44.1	25.38	27.01	Y200L-4	30				44.1	36.43	37.08	Y225M-4	45	
		49.0	25.28	30.01	Y225S-4	37				49.0	36.14	41.20	Y225M-4	45	
		53.9	24.87	33.01	Y225S-4	37				53.9	36.01	45.32	Y250M-4	55	
		58.8	24.75	36.01	Y225M-4	45				58.8	35.74	49.43	Y250M-4	55	
1240	34.74	9.8	29.05	11.32	Y160L-4	15	1104	1730	48.47	9.8	41.05	18.60	Y180L-4	22	1500
		14.7	28.73	13.09	Y160L-4	15				14.7	40.65	21.60	Y200L-4	30	
		19.6	28.32	15.14	Y180M-4	18.5				19.6	40.30	26.39	Y200L-4	30	
		24.5	27.96	18.91	Y180L-4	22				24.5	39.95	29.28	Y225S-4	37	
		29.4	27.66	22.71	Y200L-4	30				29.4	39.68	33.93	Y225S-4	37	
		34.3	27.44	24.82	Y200L-4	30				34.3	39.38	36.96	Y225M-4	45	
		39.2	27.17	25.23	Y200L-4	30				39.2	39.19	39.58	Y225M-4	45	
		44.1	26.95	29.38	Y225S-4	37				44.1	38.95	44.54	Y250M-4	55	
		49.0	26.76	31.53	Y225S-4	37				49.0	38.73	49.49	Y250M-4	55	
		53.9	26.53	36.69	Y225M-4	45				53.9	38.54	54.24	Y280S-4	75	
		58.8	26.31	37.84	Y225M-4	45				58.8	38.32	55.89	Y280S-4	75	

Note: Direct drive is adopted for model with: ***

RSR Series

RSR-200H Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg		
					Type	Power kW							Type	Power kW			
970 *	35.4	9.8	32.10	8.27	Y160L-6	11	1324	1250	45.64	53.9	38.68	45.57	Y250M-4	55	1644		
		14.7	31.49	12.40	Y180L-6	15				58.8	38.38	54.71	Y280S-4	75			
		19.6	30.96	16.50	Y200L1-6	18.5				63.7	37.01	55.85	Y280S-4	75			
		24.5	30.49	19.29	Y200L2-6	22				68.6	36.72	56.99	Y280S-4	75			
		29.4	30.07	23.15	Y225M-6	30				73.5	36.42	57.13	Y280S-4	75			
		34.3	29.12	25.32	Y225M-6	30				78.4	36.13	60.28	Y280S-4	75			
		39.2	29.08	25.72	Y225M-6	30				83.3	35.98	74.42	Y280M-4	90			
		44.1	28.28	28.93	Y250M-6	37				88.2	35.74	75.56	Y280M-4	90			
		49.0	28.16	32.15	Y250M-6	37				93.1	35.54	78.70	Y280M-4	90			
		53.9	28.06	35.36	Y280S-6	45				98.0	35.37	86.84	Y315S-4	110			
		58.8	27.75	38.57	Y280S-6	45											
		63.7	27.43	43.79	Y280M-6	55											
		68.6	27.15	45.00	Y280M-6	55											
	35.4	73.5	26.83	48.22	Y280M-6	55											
		78.4	26.62	53.43	Y315S-6	75											
		83.3	26.46	54.65	Y315S-6	75											
		88.2	26.25	57.86	Y315S-6	75											
		93.1	25.95	61.07	Y315S-6	75											
		98.0	25.73	64.29	Y315S-6	75											
		1170	42.72	9.8	39.92	10.56	Y160L-4	15	1387	1350	49.29	53.9	42.53	49.21	Y250M-4	55	1644
				14.7	39.29	14.90	Y180M-4	18.5				58.8	42.24	53.68	Y280S-4	75	
				19.6	38.66	18.60	Y180L-4	22				63.7	42.06	58.16	Y280S-4	75	
				24.5	38.19	23.27	Y200L-4	30				68.6	41.59	62.63	Y280S-4	75	
				29.4	37.65	27.92	Y225S-4	37				73.5	41.23	67.10	Y280S-4	75	
				34.3	37.48	28.14	Y225S-4	37				78.4	41.08	74.58	Y280S-4	90	
39.2	36.82			35.84	Y225M-4	45	83.3	40.83				76.05	Y280M-4	90			
44.1	36.58			36.94	Y225M-4	45	88.2	40.62				80.52	Y280M-4	90			
49.0	35.96			38.77	Y225M-4	45	93.1	40.47				87.56	Y315S-4	110			
53.9	35.76			43.65	Y250M-4	55	98.0	40.34				89.47	Y315S-4	110			
58.8	35.36			46.53	Y250M-4	55											
63.7	35.08			53.40	Y280S-4	75											
68.6	34.71			54.28	Y280S-4	75											
42.72	73.5		34.57	58.16	Y280S-4	75											
	78.4		34.35	62.03	Y280S-1	75											
	83.3		34.16	65.91	Y280S-4	75											
	88.2		33.82	69.79	Y280M-4	90											
	93.1		33.69	73.66	Y280M-4	90											
	98.0		33.47	77.54	Y280M-4	90											
	1250		45.64	9.8	42.84	11.47	Y160L-4	15	1644	1450 *	52.94	53.9	46.38	53.86	Y280S-4	75	1644
				14.7	42.21	17.21	Y180L-4	22				58.8	46.09	57.66	Y280S-4	75	
				19.6	41.68	18.64	Y180L-4	22				63.7	45.81	62.46	Y280S-4	75	
				24.5	41.12	26.62	Y225S-4	37				68.6	45.54	67.27	Y280S-4	75	
				29.4	40.69	28.96	Y225S-4	37				73.5	45.28	74.07	Y280M-4	90	
				31.3	40.30	30.62	Y225M-4	37				78.4	45.03	76.88	Y280M-4	90	
39.2		39.74		40.14	Y225M-4	45	83.3	44.78				88.68	Y315S-4	110			
44.1		39.55		42.28	Y225M-4	45	88.2	44.55				89.49	Y315S-4	110			
49.0		38.92		44.42	Y250M-4	55	93.1	44.32				91.29	Y315S-4	110			
							98.0	44.09				96.09	Y315S-4	110			

RSR Series

RSR-200 Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
970 *	45.2	9.8	39.09	10.57	Y180L-6	15	1426	1230	56.85	53.9	47.08	56.75	Y280S-4	75	1489
		14.7	38.83	15.10	Y200L1-6	18.5				58.8	46.77	61.91	Y280S-4	75	
		19.6	38.40	18.41	Y200L2-6	22				63.7	46.71	67.07	Y280S-4	75	
		24.5	38.02	21.55	Y225M-6	30				68.6	46.58	74.23	Y280M-4	90	
		29.4	37.67	24.66	Y225M-6	30				73.5	46.41	77.39	Y280M-4	90	
		34.3	37.42	28.77	Y250M-6	37				78.4	46.21	82.55	Y280M-4	90	
		39.2	37.08	32.88	Y250M-6	37				83.3	45.95	87.71	Y315S-4	110	
		44.1	36.75	36.99	Y280S-6	45				88.2	45.67	92.87	Y315S-4	110	
		49.0	36.46	44.10	Y280M-6	55				93.1	45.31	98.03	Y315S-4	110	
		53.9	35.99	45.21	Y280M-6	55				98.0	44.76	103.19	Y315S-4	110	
		58.8	35.66	49.33	Y280M-6	55		1390	64.25	9.8	55.45	18.27	Y180L-4	22	1746
		63.7	35.42	54.44	Y315S-6	75				14.7	55.30	21.68	Y200L-4	30	
		68.6	35.03	57.55	Y315S-6	75				19.6	55.24	28.24	Y225S-4	37	
		73.5	34.70	61.66	Y315S-6	75				24.5	55.06	38.80	Y225M-4	45	
		78.4	34.32	65.77	Y315S-6	75				29.4	54.85	40.99	Y225M-4	45	
		83.3	34.04	74.88	Y315M-6	90				34.3	54.73	45.92	Y250M-4	55	
		88.2	33.67	76.99	Y315M-6	90				39.2	54.53	54.48	Y280S-4	75	
		93.1	33.37	78.10	Y315M-6	90				44.1	54.25	58.48	Y280S-4	75	
		98.0	33.01	82.21	Y315M-6	90				49.0	54.02	68.31	Y280S-4	75	
		53.9	53.79	70.14	Y280S-4	75									
58.8	53.58	73.97	Y280M-4	90											
63.7	53.41	75.80	Y280M-4	90											
68.6	53.11	81.63	Y280M-4	90											
73.5	53.04	87.46	Y315S-4	110											
78.4	52.85	93.29	Y315S-4	110											
83.3	52.66	99.12	Y315S-1	110											
88.2	52.45	104.95	Y315S-4	110											
93.1	52.21	110.78	Y315M-4	132											
98.0	52.01	116.61	Y315M-4	132											
1150	53.15	9.8	48.75	14.65	Y180M-4	18.5	1489	1390	64.25	53.9	53.79	70.14	Y280S-4	75	1746
		14.7	46.42	18.33	Y180L-4	22				58.8	53.58	73.97	Y280M-4	90	
		19.6	45.88	21.70	Y200L-4	30				63.7	53.41	75.80	Y280M-4	90	
		24.5	45.66	24.12	Y200L-4	30				68.6	53.11	81.63	Y280M-4	90	
		29.4	45.41	28.95	Y225S-4	37				73.5	53.04	87.46	Y315S-4	110	
		34.3	45.16	36.77	Y225M-4	45				78.4	52.85	93.29	Y315S-4	110	
		39.2	44.95	38.59	Y225M-4	45				83.3	52.66	99.12	Y315S-1	110	
		44.1	44.60	44.42	Y250M-1	55				88.2	52.45	104.95	Y315S-4	110	
		49.0	44.06	48.24	Y250M-4	55				93.1	52.21	110.78	Y315M-4	132	
		53.9	43.76	54.06	Y280S-4	75				98.0	52.01	116.61	Y315M-4	132	
		58.8	43.45	57.89	Y280S-4	75		1480*	68.41	9.8	59.32	18.97	Y200L-4	22	1746
		63.7	43.33	62.71	Y280S-4	75				14.7	59.16	21.96	Y225S-4	30	
		68.6	43.05	67.53	Y280S-4	75				19.6	58.78	28.94	Y225S-4	37	
		73.5	42.79	74.36	Y280M-4	90				24.5	58.61	36.92	Y225M-4	45	
		78.4	42.63	77.18	Y280M-4	90				29.4	58.39	44.91	Y250M-4	55	
		83.3	42.41	82.00	Y280M-4	90				34.3	58.14	46.46	Y280M-4	55	
		88.2	42.06	86.83	Y315S-4	110				39.2	58.09	55.87	Y280S-4	75	
		93.1	41.62	91.65	Y315S-4	110				44.1	57.93	58.87	Y315S-4	75	
		98.0	41.01	96.47	Y315S-4	110				49.0	57.74	64.08	Y315S-4	75	
		53.9	57.59	73.29	Y315M-4	90									
58.8	57.45	74.50	Y315M-4	90											
63.7	57.25	80.70	Y315M-4	90											
68.6	57.12	86.91	Y315S-4	110											
73.5	57.01	93.12	Y315S-4	110											
78.4	56.91	99.33	Y315S-4	110											
83.3	56.70	107.53	Y315M-4	132											
88.2	56.46	111.74	Y315M-4	132											
93.1	56.21	117.95	Y315M-4	132											
98.0	55.96	126.16	Y315L1-4	160											
1230	56.85	9.8	50.67	18.32	Y180L-4	22	1489	1480*	68.41	53.9	57.59	73.29	Y315M-4	90	1746
		14.7	49.52	23.48	Y200L-4	30				58.8	57.45	74.50	Y315M-4	90	
		19.6	49.07	25.64	Y200L-4	30				63.7	57.25	80.70	Y315M-4	90	
		24.5	48.81	29.02	Y225S-4	37				68.6	57.12	86.91	Y315S-4	110	
		29.4	48.59	35.83	Y225M-4	45				73.5	57.01	93.12	Y315S-4	110	
		34.3	48.37	36.12	Y225M-4	45				78.4	56.91	99.33	Y315S-4	110	
		39.2	48.09	44.28	Y250M-4	55				83.3	56.70	107.53	Y315M-4	132	
		44.1	47.82	46.44	Y250M-4	55				88.2	56.46	111.74	Y315M-4	132	
		49.0	47.43	54.60	Y280S-4	75				93.1	56.21	117.95	Y315M-4	132	
		98.0	55.96	126.16	Y315L1-4	160									

Note: Direct drive is adopted for model with: ***

RSR Series

RSR-250D Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg		
					Type	Power kW							Type	Power kW			
970 *	58.28	9.8	50.02	18.58	Y200L2-6	22	1727	1600	94.14	9.8	86.37	24.45	Y200L-4	30	2083		
		14.7	48.56	19.87	Y200L2-6	22				14.7	85.72	26.18	Y200L-4	30			
		19.6	47.75	21.16	Y225M-6	30				19.6	84.88	34.90	Y225M-4	45			
		24.5	46.54	26.45	Y225M-6	30				24.5	84.40	43.63	Y250M-4	55			
		29.4	45.90	31.74	Y250M-6	37				29.4	83.35	53.35	Y250S-4	75			
		34.3	45.30	37.03	Y280S-6	45				34.3	82.86	61.07	Y280S-4	75			
		39.2	44.75	43.32	Y280M-6	55				39.2	82.11	73.80	Y280M-4	90			
		44.1	44.24	47.61	Y280M-6	55				44.1	81.89	78.52	Y280M-4	90			
		49.0	43.75	53.90	Y315S-6	75				49.0	81.16	87.25	Y315S-4	110			
		53.9	43.28	58.18	Y315S-6	75				53.9	80.84	95.97	Y315S-4	110			
		58.8	42.84	63.47	Y315S-6	75				58.8	80.39	106.70	Y315M-4	132			
1250	75.11	9.8	65.84	21.64	Y200L-4	30	1940	1750	105.15	9.8	95.29	38.21	Y225M-4	45	2083		
		14.7	64.88	23.45	Y200L-4	30				14.7	94.63	40.31	Y225M-4	45			
		19.6	64.08	28.67	Y225S-4	37				19.6	93.72	43.41	Y250M-4	55			
		24.5	63.90	36.08	Y225M-4	45				24.5	92.81	47.72	Y250M-4	55			
		29.4	63.72	44.90	Y250M-4	55				29.4	92.15	57.26	Y280S-4	75			
		34.3	63.65	47.72	Y250M-4	55				34.3	91.17	66.80	Y280S-4	75			
		39.2	63.58	54.53	Y280S-4	75				39.2	90.62	76.34	Y280M-4	90			
		44.1	63.37	61.35	Y280S-4	75				44.1	90.11	85.88	Y315S-4	110			
		49.0	62.57	68.16	Y280S-4	75		49.0		89.72	95.43	Y315S-4	110				
		53.9	62.35	74.98	Y280M-4	90		53.9		89.51	108.97	Y315M-4	132				
		58.8	61.79	81.79	Y280M-4	90		58.8		89.25	114.51	Y315M-4	132				
		63.7	61.11	93.81	Y315S-4	110					9.8	103.90	38.73	Y225M-4	45		
		68.6	60.46	100.50	Y315S-4	110					14.7	102.94	40.09	Y225M-4	45		
		73.5	59.73	108.25	Y315M-4	132					19.6	102.14	44.45	Y250M-4	55		
		78.4	59.08	115.46	Y315M-4	132					24.5	101.42	54.81	Y280S-4	75		
		9.8	77.86	23.75	Y200L-4	30					1900	11417	29.4	101.18	62.17		Y280S-4
14.7	76.90	25.12	Y200L-4	30	34.3	100.19	73.53		Y280M-4				90				
19.6	76.09	37.49	Y225M-4	45	39.2	99.88	87.89		Y315S-4				110				
24.5	75.01	39.54	Y225M-4	45													
29.4	74.44	47.44	Y250M-4	55													
34.3	73.85	55.35	Y280S-4	75													
39.2	73.24	63.26	Y280S-4	75	44.1	99.62	93.25	Y315S-4	110								
44.1	72.88	74.16	Y280M-4	90													
49.0	72.29	79.07	Y280M-4	90						2050	123.18	9.8	118.92	37.36	Y225M-4	45	2180
53.9	71.92	86.97	Y315S-4	110								14.7	111.96	39.54	Y225M-4	45	
58.8	71.53	94.88	Y315S-4	110	19.6	111.15	44.72	Y250M-4	55								
63.7	70.77	108.83	Y315M-4	132	24.5	110.44	55.89	Y280S-4	75								
68.6	70.15	117.20	Y315M-4	132	29.4	110.36	74.02	Y280M-4	90								
73.5	69.54	125.57	Y315L1.4	160	34.3	109.20	78.25	Y280M-4	90								
78.4	68.95	133.94	Y315L1.4	160	39.2	108.35	89.43	Y315S-4	110								

RSR Series

RSR-250 Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
980 *	73.44	9.8	65.77	32.73	Y250M-6	37	2845	1250	92.72	53.9	76.31	111.07	Y315M-4	132	3023
		14.7	64.20	40.85	Y280M-6	45				58.8	75.57	113.60	Y315M-4	132	
		19.6	62.88	47.99	Y280M-6	55				63.7	74.59	115.82	Y315M-4	132	
		24.5	62.23	54.53	Y315S-6	75				68.6	74.17	127.80	Y315L1-4	160	
		29.4	61.87	59.98	Y315S-6	75				73.5	73.76	130.22	Y315L1-4	160	
		34.3	61.26	64.60	Y315S-6	75				78.4	73.37	134.63	Y315L1-4	160	
		39.2	61.07	70.57	Y315S-6	75				83.3	72.92	143.05	Y315L1-4	160	
		44.1	60.47	77.12	Y315M-6	90				88.2	72.52	159.46	Y315L2-4	185	
		49.0	60.27	81.05	Y315M-6	90				93.1	72.06	163.88	Y315L2-4	185	
		53.9	60.09	83.31	Y315M-6	90				98.0	71.69	168.29	Y315L2-4	185	
		58.8	59.54	86.97	Y315L1-6	110		1320	97.92	9.8	91.00	44.20	Y250M-4	55	3250
		63.7	59.30	87.64	Y315L1-6	110				14.7	89.41	55.41	Y280S-4	75	
		68.6	58.88	93.30	Y315L1-6	110				19.6	88.10	64.09	Y280S-4	75	
		73.5	58.47	105.97	Y315L2-6	132				24.5	86.93	72.70	Y280M-4	90	
		78.4	57.88	106.63	Y315L2-6	132				29.4	85.86	87.24	Y280M-4	90	
		83.3	57.39	113.29	Y315L2-6	132				34.3	84.88	93.30	Y315S-4	110	
		88.2	56.99	119.96	Y315L2-6	132				39.2	83.60	98.43	Y315S-4	110	
		93.1	56.71	126.62	Y355M1-6	160				44.1	83.06	106.82	Y315M-4	132	
		98.0	56.43	133.29	Y355M1-6	160				49.0	82.67	107.63	Y315M-4	132	
		1150	85.3	9.8	78.34	38.51				Y225M-4	45	3023	1320	97.92	
14.7	76.81			48.27	Y250M-4	55	58.8	81.73	127.95	Y315L1-4	160				
19.6	75.49			55.49	Y280S-4	75	63.7	81.31	138.62	Y315L1-4	160				
24.5	74.31			60.67	Y280S-4	75	68.6	80.82	139.95	Y315L1-4	160				
29.4	73.25			76.00	Y280M-4	90	73.5	80.41	141.13	Y315L1-4	160				
34.3	72.27			81.29	Y280M-4	90	78.4	79.91	158.52	Y315L2-4	185				
39.2	71.57			85.75	Y280M-4	90	83.3	79.42	164.06	Y315L2-4	185				
44.1	71.24			89.58	Y315S-4	110	88.2	78.96	169.94	Y315L2-4	185				
49.0	70.94			92.90	Y315S-4	110	93.1	78.45	178.83	Y315L2-4	200				
53.9	70.47			102.19	Y315S-4	110	98.0	78.05	197.70	Y355M1-4	220				
58.8	70.31			105.51	Y315M-4	132	1450 *	107.56	9.8	100.63	48.57		Y250M-4	55	3500
63.7	69.92			106.56	Y315M-4	132			14.7	99.06	60.89		Y280S-4	75	
68.6	69.42			108.38	Y315M-4	132			19.6	97.74	74.21		Y280M-4	90	
73.5	68.98			116.12	Y315M-4	132			24.5	96.57	80.85		Y280M-4	90	
78.4	68.44			129.86	Y315L1-4	160			29.4	95.51	95.84		Y315S-4	110	
83.3	67.95			131.60	Y315L1-4	160			34.3	94.53	102.49		Y315S-4	110	
88.2	67.42			139.34	Y315L1-4	160			39.2	93.61	108.12		Y315M-4	132	
93.1	67.04			147.09	Y315L1-4	160			44.1	92.75	112.95		Y315M-4	132	
98.0	66.79			158.83	Y315L2-4	185			49.0	91.93	117.13		Y315M-4	132	
1250	92.72			9.8	85.80	41.85			Y250M-4	55	3023		1450 *	107.56	
		14.7	84.23	52.47	Y280S-4	75	58.8	90.40	134.02	Y315L1-4		160			
		19.6	82.90	60.32	Y280S-4	75	63.7	89.68	146.89	Y315L1-4		160			
		24.5	81.73	65.73	Y280S-4	75	68.6	89.04	159.69	Y315L2-4		185			
		29.4	80.67	82.62	Y280M-4	90	73.5	88.31	163.41	Y315L2-4		185			
		34.3	79.69	88.35	Y280M-4	90	78.4	87.66	168.17	Y315L2-4		185			
		39.2	78.78	93.21	Y315S-4	110	83.3	87.03	171.93	Y315L2-4		185			
		44.1	77.91	100.23	Y315S-4	110	88.2	86.41	176.69	Y315L2-4		200			
		49.0	77.09	103.74	Y315S-4	110	93.1	85.81	195.45	Y355M1-4		220			
							98.0	85.22	205.21	Y355M1-4		220			

Note: Direct drive is adopted for model with: ***

RSR Series

RSR-300 Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg						
					Type	Power kW							Type	Power kW							
980 *	102.81	9.8	92.50	36.73	Y250M-6	45	3310	1250	129.81	68.6	107.23	183.60	Y315L2-4	200	3636						
		14.7	90.59	49.85	Y280S-6	55				73.5	106.62	197.10	Y355M1-4	220							
		19.6	90.07	61.07	Y315S-6	75				78.4	105.84	200.48	Y355M1-4	220							
		24.5	89.49	69.98	Y315S-6	75				83.3	103.42	219.79	Y355M-4	250							
		29.4	89.06	77.51	Y315M-6	90				88.2	102.60	232.35	Y3551-4	280							
		34.3	88.68	83.97	Y315M-6	90				93.1	101.40	245.65	Y3551-4	280							
		39.2	88.12	89.57	Y315L1-6	110				98.0	100.04	258.58	Y3551-4	280							
		44.1	87.63	91.05	Y315L1-6	110		1350	137.08	9.8	126.19	50.61	Y250M-4	55	3894						
		49.0	87.13	108.16	Y315L2-6	132				14.7	124.66	68.70	Y280S-4	75							
		53.9	86.65	115.63	Y315L2-6	132				19.6	123.95	81.43	Y280M-4	90							
		58.8	85.98	121.96	Y315L2-6	132				24.5	123.26	93.30	Y315S-4	110							
		63.7	85.68	129.29	Y355M1-6	160				29.4	122.43	107.35	Y315M-4	132							
		68.6	85.05	134.62	Y355M1-6	160				34.3	121.81	111.96	Y315M-4	132							
		73.5	84.67	158.18	Y355M2-6	185				39.2	121.05	119.42	Y315M-4	132							
		78.4	84.06	169.28	Y355M2-6	185				44.1	120.12	125.96	Y315L1-4	160							
		1150	119.43	9.8	110.15	43.11				Y250M-4	55	3310	1350	137.08		49.0	119.62	131.72	Y315L1-4	160	3894
				14.7	108.06	58.52				Y280S-4	75					53.9	118.75	153.94	Y315L2-4	185	
19.6	106.28			65.03	Y280S-4	75	58.8	118.01	158.06	Y315L2-4	185										
24.5	105.48			78.66	Y280M-4	90	63.7	117.19	181.23	Y315L2-4	200										
29.4	104.72			83.61	Y280M-4	90	68.6	116.53	194.40	Y355M1-4	220										
34.3	104.40			91.04	Y315S-4	110	73.5	115.76	200.60	Y355M1-4	220										
39.2	103.74			94.02	Y315S-4	110	78.4	114.95	210.75	Y355M-4	250										
44.1	103.32			105.77	Y315M-4	132	83.3	112.81	237.37	Y3551-4	280										
49.0	102.75			108.38	Y315M-4	132	88.2	112.00	251.34	Y3551-4	280										
53.9	102.10			129.27	Y315L1-4	160	93.1	111.20	265.31	Y3552-4	315										
58.8	101.65			135.06	Y315L1-4	160	98.0	110.30	279.27	Y3552-4	315										
63.7	101.05			156.18	Y315L2-4	185	1450 *	150.59	9.8	141.30	56.28		Y280S-4	75	3936						
68.6	100.72			162.73	Y315L2-4	185			14.7	139.21	73.79		Y280M-4	90							
73.5	100.32			176.57	Y315L2-4	200			19.6	137.44	92.82		Y315S-4	110							
78.4	99.90			180.41	Y315L2-4	200			24.5	135.88	102.49		Y315S-4	110							
83.3	95.04			202.21	Y355M1-4	220			29.4	134.49	113.53		Y315M-4	132							
88.2	93.22			214.10	Y355M-4	250			34.3	132.09	129.99		Y315L1-4	160							
93.1	91.41	226.00	Y355M-4	250	39.2	131.51			131.19	Y315L1-4	160										
1250	1250	9.8	120.53	46.86	Y250M-4	55	3636	1450 *	150.59	44.1	130.68	138.36	Y315L1-4	160	3936						
		14.7	118.44	63.61	Y280S-4	75				49.0	129.96	153.73	Y315L2-4	185							
		19.6	116.67	77.11	Y280M-4	90				53.9	129.23	159.16	Y315L2-4	185							
		24.5	115.10	88.35	Y315S-4	110				58.8	128.45	194.48	Y355M1-4	220							
		29.4	113.68	97.87	Y315S-4	110				63.7	127.73	203.85	Y355M1-4	220							
		34.3	112.38	106.02	Y315M-4	132				68.6	126.91	215.22	Y355M-4	250							
		39.2	111.02	113.09	Y315M-4	132				73.5	126.17	227.02	Y355M-4	250							
		44.1	110.07	127.23	Y315M-4	132		78.4	125.41	231.50	Y355L1-4	280									
		49.0	109.78	132.53	Y315L1-4	160															
		53.9	109.03	145.58	Y315L1-4	160															
		58.8	108.55	156.46	Y315L2-4	185															
		63.7	107.86	171.14	Y315L2-4	185															

RSR Series

RSR-300C Tri-Lobe Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight K										
					Type	Power kW							Type	Power kW											
980 *	138.93	9.8	127.75	41.19	Y250M-6	45	3720	1250	177.21	39.2	154.71	138.65	Y315L1-4	160	4050										
		14.7	125.22	58.08	Y315S-6	75				44.1	153.37	158.94	Y315L2-4	185											
		19.6	123.05	72.12	Y315M-6	90				49.0	152.06	181.37	Y315L2-4	200											
		24.5	122.12	83.29	Y315M-6	90				53.9	150.8C	185.89	Y315L2-4	200											
		29.4	121.61	97.26	Y315L1-6	110				58.8	149.62	196.97	Y355M1-4	220											
		34.3	120.81	99.29	Y315L1-6	110		1360	192.8	9.8	181.62	59.73	Y280S-4	75	4300										
		39.2	120.21	106.86	Y315L2-6	132				14.7	179.1C	81.10	Y280M-4	90											
		44.1	119.48	113.47	Y315L2-6	132				19.6	176.69	99.80	Y315S-4	110											
		49.0	118.56	135.60	Y315M1-6	160				24.5	175.08	115.61	Y315M-4	132											
		53.9	117.95	146.88	Y315M1-6	160				29.4	173.40	134.97	Y315L1-4	160											
58.8	117.11	157.88	Y315M2-6	185	34.3	171.80	146.08	Y315L1-4	160	1170	165.87	9.8	154.68	50.37	Y250M-1	55	3720	1360	192.8	39.2	170.34	155.52	Y315L2-4	185	4300
14.7	152.16	69.76	Y280M-4	90	44.1	168.96	179.95	Y315L2-4	200																
19.6	150.02	85.85	Y315S-4	110	49.0	167.65	195.25	Y355M1-4	220																
24.5	148.15	99.45	Y315S-4	110	53.9	166.41	201.46	Y355M1-4	220																
29.4	146.44	108.37	Y315M-4	132	58.8	165.22	219.95	Y355M-4	250																
34.3	144.87	111.56	Y315M-4	132	3720	1480 *	209.82	9.8	198.63			65.31	Y280S-4	75	4448										
39.2	143.40	127.50	Y315L1-4	160				14.7	196.11			88.24	Y315S-1	110											
44.1	142.02	135.47	Y315L1-4	160				19.6	193.97			108.63	Y315M-4	132											
49.0	140.72	155.52	Y315L2-4	185				24.5	192.09			125.80	Y315L1-4	160											
53.9	139.22	165.57	Y315L2-4	185				29.4	190.45			158.18	Y315L2-4	185											
58.8	138.58	183.62	Y315L2-4	200	1250	177.21	4050	9.8	166.02	54.89	Y280S-4	75	4448												
14.7	163.59	74.53	Y280M-4	90				34.3	188.82	171.36	Y315L2-4	185													
19.6	161.37	91.72	Y315S-4	110				39.2	187.35	195.84	Y355M1-4	220													
24.5	159.48	106.25	Y315M-4	132				44.1	185.97	205.63	Y355M1-4	220													
29.4	157.78	124.05	Y315M-4	132				49.0	184.67	228.48	Y355M-4	250													
34.3	156.21	129.64	Y315L1-4	160				53.9	183.42	251.32	Y355L1-4	280													
								58.8	182.22	274.17	Y355L-4	315													

Note: Direct drive is adopted for model with: * * *

MTRF Series

MTRF-250 Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	
					Type	Power kW							Type	Power kW		
730 *	97.8	9.8	86.90	21.00	Y280S-8	30	3500	730 *	115.3	9.8	105.00	25.00	Y250M-8	30	4000	
		19.6	84.20	38.00	Y280M-8	45				19.6	101.10	45.00	Y315S-8	55		
		29.4	82.00	54.00	Y280M-8	75				29.4	98.10	64.00	Y315M-8	75		
		39.2	80.10	70.00	Y315L1-8	90				39.2	95.70	83.00	Y315L1-8	90		
		49.0	78.30	87.00	Y315L2-8	110				49.0	93.50	103.00	Y355M1-8	132		
		58.8	76.70	103.00	Y355M1-8	132	58.8			91.60	122.00	Y355M1-8	132			
		68.6	75.10	120.00	Y355M1-8	132	68.6			89.90	141.00	Y355M2-8	160			
		78.4	73.70	136.00	Y355M2-8	160	78.4			88.50	160.00	Y355L1-8	185			
		88.2	72.30	153.00	Y355L1-8	185	88.2			86.10	179.00	Y355M4-8	200			
		98.0	71.60	161.00	Y355L1-8	185	98.0			84.50	198.00	Y355L1-8	220			
730	97.8	9.8	96.30	23.00	Y225M-6	30	3500	800	126.3	9.8	116.00	27.00	Y225M-6	30	4000	
		19.6	93.60	41.00	Y280M-6	55				19.6	112.10	48.00	Y280M-6	55		
		29.4	91.40	59.00	Y315S-6	75				29.4	109.10	70.00	Y315M-6	90		
		39.2	89.50	77.00	Y315M-6	90				39.2	106.70	91.00	Y315L1-6	110		
		49.0	87.70	95.00	Y315L1-6	110	4000			49.0	104.50	112.00	Y315L2-6	132		
		58.8	86.10	113.00	Y315L2-6	132				58.8	102.60	134.00	Y355M1-6	160		
		68.6	84.50	131.00	Y355M1-6	160				68.6	100.90	155.00	Y355M2-6	185		
		78.4	83.10	149.00	Y355M2-6	185				78.4	99.50	176.00	Y355M3-6	200		
		88.2	81.70	167.00	Y355M2-6	185	4500			88.2	97.20	196.00	Y355M3-6	220		
		98.0	80.40	185.00	Y355L1-6	220				98.0	95.60	217.00	Y355L-6	250		
880	117.9	9.8	107.20	28.00	Y225M-6	30	3500	880	139	9.8	128.70	30.00	Y250M-6	37	4000	
		19.6	104.50	45.00	Y280M-6	55				19.6	124.80	53.00	Y315S-6	75	4500	
		29.4	102.10	65.00	Y315S-6	75				29.4	121.80	76.00	Y315M-6	90		
		39.2	100.20	85.00	Y315L1-6	110				39.2	119.40	100.00	Y315L1-6	110		
		49.0	98.40	105.00	Y315L2-6	132	4000			49.0	117.20	123.00	Y355M1-6	160		
		58.8	96.80	125.00	Y355M1-6	160				58.8	115.30	146.00	Y355M2-6	185		
		68.6	95.20	144.00	Y355M1-6	160				68.6	113.60	169.00	Y355M2-6	185		
		78.4	93.80	164.00	Y355M2-6	185				78.4	112.20	192.00	Y355M3-6	220		
		88.2	92.40	184.00	Y355M3-6	220	4500			88.2	109.80	215.00	Y355L1-6	250		
		98.0	91.10	204.00	Y355L1-6	250				98.0	108.20	239.00	Y355L1-6	280		
980 *	131.3	9.8	120.40	29.00	Y250M-6	37	3500	980 *	154.8	9.8	144.50	33.00	Y250M-6	37	4000	
		19.6	117.70	51.00	Y315S-6	75				19.6	140.60	59.00	Y315S-6	75	4500	
		29.4	115.50	72.00	Y315M-6	90				29.4	137.60	85.00	Y315L1-6	110		
		39.2	113.60	95.00	Y315L1-6	110	39.2			135.20	110.00	Y315L2-6	132			
		49.0	111.80	117.00	Y315L2-6	132	4500			49.0	133.00	136.00	Y355M1-6	160		
		58.8	110.20	139.00	Y355M1-6	160				58.8	131.10	161.00	Y355M2-6	185		
		68.6	108.60	161.00	Y355M2-6	185				68.6	129.40	187.00	Y355L1-6	220		
		78.4	107.20	183.00	Y355M3-6	200				78.4	128.00	213.00	Y355L2-6	250		
		88.2	105.80	205.00	Y355L1-6	240	4500			88.2	125.60	240.00	Y355L1-6	280		
		98.0	104.50	227.00	Y355L1-6	250				98.0	124.00	266.00	Y4003-6	315		

MTRF Series

MTRF-295 Roots Blower Performance Parameter Table

MTRF-300 Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
730 *	122.3	9.8	110.80	26.00	Y250M-8	30	4500	730 *	150.2	9.8	137.20	32.00	Y280S-8	37	5000
		19.6	107.50	47.00	Y315S-8	55				19.6	133.10	57.00	Y315M-8	75	
		29.4	104.10	67.00	Y315M-8	75				29.4	129.90	82.00	Y315L1-8	90	
		39.2	101.50	88.00	Y355M1-8	110				39.2	127.00	107.00	Y355M1-8	132	
		49.0	99.40	108.00	Y315L2-8	132				49.0	124.40	132.00	Y355L2-8	160	
		58.8	97.50	128.00	Y355M2-8	160				58.8	122.00	157.00	Y355M3-8	185	
		68.6	95.80	149.00	Y355M3-8	185				68.6	119.90	182.00	Y355L-8	200	
		78.4	94.40	169.00	Y355M3-8	185				78.4	118.00	207.00	Y355L2-8	250	
		88.2	93.00	189.00	Y355L-8	200				88.2	115.70	232.00	Y355L2-8	250	
		98.0	89.70	210.00	Y355L2-8	250				9.8	151.60	35.00	Y280S-6	45	4500
800	134	9.8	122.40	29.00	Y250M-6	37	4500	800	164.6	19.6	147.50	63.00	Y315S-6	75	5000
		19.6	118.60	51.00	Y315S-6	75				29.4	144.30	90.00	Y315L1-6	110	
		29.4	115.70	74.00	Y315M-6	90				39.2	141.40	118.00	Y315L2-6	132	
		39.2	113.10	96.00	Y315L1-6	110				49.0	138.80	145.00	Y355M1-6	160	
		49.0	111.00	118.00	Y315L2-6	132				58.8	136.40	172.00	Y355M2-6	200	
		58.8	107.10	141.00	Y355M-6	160				68.6	134.30	200.00	Y355M3-6	220	
		68.6	107.50	163.00	Y355M1-6	185				78.4	132.40	227.00	Y355M4-6	250	
		78.4	106.10	185.00	Y355M2-6	200				9.8	168.10	39.00	Y280S-6	45	4500
		88.2	104.70	207.00	Y355M3-6	220				19.6	164.00	69.00	Y315M-6	90	
		98.0	101.40	230.00	Y355M4-6	250				29.4	160.80	99.00	Y315L1-6	110	
880	147.4	9.8	135.80	32.00	Y250M-6	37	4500	880	181.1	19.6	164.00	69.00	Y315M-6	90	6200
		19.6	132.00	56.00	Y315S-6	75				29.4	160.80	99.00	Y315L1-6	110	
		29.4	129.10	81.00	Y315M-6	90				39.2	157.90	129.00	Y355M1-6	160	
		39.2	126.50	105.00	Y315L2-6	132				49.0	155.30	159.00	Y355M1-6	185	
		49.0	124.40	130.00	Y355M1-6	160				58.8	152.90	190.00	Y355M3-6	220	
		58.8	122.50	155.00	Y355M1-6	185				68.6	150.80	220.00	Y355M4-6	250	
		68.6	120.90	179.00	Y355M2-6	200				78.4	148.90	250.00	Y400-6	280	
		78.4	119.50	204.00	Y355M3-6	220				9.8	188.70	43.00	Y280M-6	55	4500
		88.2	116.50	229.00	Y355L1-6	250				19.6	184.60	76.00	Y315M-6	90	
		98.0	114.80	253.00	Y355L1-6	280				29.4	181.40	110.00	Y315L2-6	132	
980 *	164.1	9.8	152.50	35.00	Y280S-6	45	4500	980 *	201.7	19.6	184.60	76.00	Y315M-6	90	5000
		19.6	148.70	63.00	Y315S-6	75				29.4	181.40	110.00	Y315L2-6	132	
		29.4	145.80	90.00	Y315L1-6	110				39.2	178.50	144.00	Y355M1-6	160	
		39.2	143.20	117.00	Y315L2-6	132				49.0	175.90	178.00	Y355M2-6	200	
		49.0	141.10	145.00	Y355M1-6	160				58.8	173.50	211.00	Y355L2-6	250	
		58.8	139.20	172.00	Y355M1-6	185				68.6	171.40	245.00	Y355L2-6	280	
		68.6	137.60	200.00	Y355M3-6	220				78.4	169.50	278.00	Y400-6	315	6500
		78.4	136.20	227.00	Y355L1-6	250				88.2	167.10	311.00	Y4004-6	355	
		88.2	134.80	254.00	Y355L-6	280									6300
		98.0	131.60	281.00	Y4003-6	315									

Note: Direct drive is adopted for model with: * * *

MTRF Series

MTMG-350 Roots Blower Performance Parameter Table

MTMG-395 Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg			
					Type	Power kW							Type	Power kW				
730 *	178.2	9.8	164.00	37.20	Y280M-8	45	5000	730 *	198.77	9.8	184.00	41.10	315S-8	55	6890			
		19.6	159.00	66.90	Y315M-8	75												
		29.4	155.00	96.60	Y315L2-8	110												
		39.2	151.00	126.00	Y355M2-8	160												
		49.0	148.00	156.00	Y355M3-8	185												
		58.8	146.00	186.00	Y355L-8	200												
		68.6	142.80	215.00	Y355L2-8	250												
800	195.2	9.8	181.00	40.80	Y280M-6	55	5000					49.0	165.00	174.00		355L-8	200	
		19.6	176.00	73.30	Y315M-6	90					58.8	162.00	207.00	400M2-8		250		
		29.4	172.00	106.00	Y315L2-6	132					68.6	159.00	240.00	400M3-8		280		
		39.2	168.00	138.00	Y355M1-6	160					78.4	156.00	273.00	400L1-8		315		
		49.0	165.00	171.00	Y355M2-6	185												
		58.8	163.00	204.00	Y355L1-6	220	6600					9.8	252.00	55.20		315S-6	75	
												19.6	246.00	99.70		315L1-6	110	
880	214.8	9.8	201.00	44.80	Y280M-6	55	5000	980 *	266.84	29.4	241.00	144.00	355M1-6	160				
		19.6	196.00	80.60	Y315M-6	90					39.2	237.00	189.00	355L1-6	220			
		29.4	192.00	116.00	Y315L2-6	132					49.0	233.00	233.00	355L2-6	250			
		39.2	188.00	152.00	Y355M2-6	185					58.8	230.00	278.00	355L4-6	315			
		49.0	185.00	188.00	Y355L1-6	220					68.6	227.00	322.00	400M3-6	355			
		58.8	182.00	224.00	Y355L-6	250	6600					78.4	224.00	367.00	400L1-6	400		
980 *	239.2	9.8	225.00	49.90	Y315S-6	75												
		19.6	220.00	89.80	Y315L1-6	110												
		29.4	216.00	109.00	Y355M1-6	160	5500											
		39.2	212.00	170.00	Y355M2-6	185												
		49.0	209.00	209.00	Y355L-6	250												
		58.8	207.00	249.00	Y355L-6	280												
		68.6	203.90	289.00	Y4003-6	315	6000											

MTRG-350 Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
590 *	197.3	9.8	184.80	43.00	Y315M-10	55	9700	590 *	248.1	9.8	232.10	52.00	Y315L1-10	75	10090
		19.6	179.30	76.00	Y355L2-10	90				19.6	226.10	94.00	Y315M1-10	110	
		29.4	175.30	109.00	Y355M2-8	132				29.4	221.30	135.00	Y315M1-10	155	
		39.2	172.30	142.00	Y400-10●	185				39.2	217.10	177.00	Y450-10●	200	
		49.0	169.60	175.00	Y450-10●	220				49.0	213.40	218.00	Y450-10●	250	
		58.8	167.20	208.00	Y450-10●	250				58.8	209.90	260.00	Y450-10●	280	
		68.6	164.80	241.00	Y450-10●	280				68.6	207.10	301.00	Y450-10●	355	
		78.4	162.80	274.00	Y450-10●	315				78.4	204.60	343.00	Y500-10●	400	
		88.2	160.80	307.00	Y450-10●	355				83.3	203.10	364.00	Y500-10●	400	
		98.0	159.30	324.00	Y450-10●	355									
670	224.1	9.8	211.60	49.00	Y315S-8	55	9700	670	281.7	9.8	265.70	59.00	Y315M-8	75	10010
		19.6	206.10	86.00	Y315L2-8	110				19.6	259.70	106.00	Y355M1-8	132	
		29.4	202.10	124.00	Y355M2-8	160				29.4	254.90	153.00	Y355M3-8	185	
		39.2	199.10	161.00	Y355M3-8	185				39.2	250.70	201.00	Y400-8●	220	
		49.0	196.40	199.00	Y400-8●	220				49.0	247.00	248.00	Y400-8●	280	
		58.8	194.00	236.00	Y400-8●	280				58.8	243.50	295.00	Y450-8●	355	
		68.6	191.60	273.00	Y450-8●	315				68.6	240.70	342.00	Y450-8●	400	
		78.4	189.60	311.00	Y450-8●	355				78.4	238.20	389.00	Y450-8●	450	
		88.2	187.60	349.00	Y450-8●	400				83.3	236.70	413.00	Y500-8●	450	
		98.0	186.10	386.00	Y450-8●	450									
710	237.4	9.8	224.90	52.00	Y315S-6	75	8670	710	298.5	9.8	282.50	63.00	Y315S-6	75	9270
		19.6	219.40	91.00	Y315L1-6	110				19.6	276.50	113.00	Y315L2-6	132	
		29.4	215.40	131.00	Y355M1-6	160				29.4	271.70	163.00	Y355M2-6	185	
		39.2	212.40	171.00	Y355M2-6	200				39.2	267.50	213.00	Y355L-6	250	
		49.0	209.70	211.00	Y355M4-6	250				49.0	263.80	262.00	Y400-6●	315	
		58.8	207.30	250.00	Y400-6●	280				58.8	260.30	312.00	Y400-6●	355	
		68.6	204.90	290.00	Y400-6●	315				68.6	257.50	362.00	Y400-6●	400	
		78.4	202.90	330.00	Y400-6●	400				78.4	255.00	412.00	Y450-6●	450	
		88.2	200.90	370.00	Y400-6●	400				83.3	253.50	437.00	Y450-6●	500	
		98.0	199.40	409.00	Y450-6●	450									
730 *	244.1	9.8	231.60	52.50	Y315M-8	75	9600	730 *	306.9	9.8	290.90	64.00	Y315S-8	75	10130
		19.6	226.10	93.40	Y315L2-8	110				19.6	284.80	115.00	Y355M1-8	132	
		29.4	222.10	134.00	Y355M2-8	160				29.4	280.10	167.00	Y355L1-8	185	
		39.2	219.10	175.00	Y355L-8	200				39.2	275.80	219.00	Y400-8●	250	
		49.0	216.40	216.00	Y400-8●	250				49.0	272.20	269.00	Y450-8●	315	
		58.8	214.00	257.00	Y400-8●	280				58.8	268.70	321.00	Y450-8●	355	
		68.6	211.60	297.00	Y450-8●	355				68.6	265.90	372.00	Y450-8●	400	
		78.4	209.60	338.00	Y450-8●	355				78.4	263.30	424.00	Y450-8●	475	
		88.2	207.60	380.00	Y450-8●	450				83.3	261.90	449.00	Y500-8●	500	
		98.0	206.10	420.00	Y450-8●	450									

MTRG Series

MTRG-445 Roots Blower Performance Parameter Table							MTRG-450 Roots Blower Performance Parameter Table								
Rotary Speed rimin	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed rimin	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
590 *	278.96	9.8	262.00	56.96	Y315L2-10	75	12000	590 *	310.1	9.8	292.60	64.00	Y315L1-10	75	10600
		19.6	255.00	113.91	Y355L-10	132				19.6	285.10	116.00	Y355M2-10	132	
		29.4	249.70	160.82	Y450-10●	185				29.4	279.90	168.00	Y400-10●	185	
		39.2	245.16	202.50	Y450-10●	220				39.2	275.10	220.00	Y450-10●	250	
		49.0	241.17	253.14	Y450-10●	280				49.0	271.10	271.00	Y450-10●	315	11850
		58.8	237.57	290.84	Y450-10●	315				58.8	267.60	323.00	Y450-10●	355	
		68.6	234.25	339.30	Y450-10●	355				68.6	264.10	375.00	Y500-10●	400	
		78.4	231.16	387.78	Y500-10●	450				73.5	262.40	401.00	Y500-10●	450	
		670	316.78	9.8	299.88	60.88				Y315M-8	75	670	352.1	9.8	
19.6	292.88	121.75		Y355M2-8	160	19.6	327.10	132.00	Y355M2-8	160					
29.4	287.51	182.62		Y355M4-8●	200	29.4	321.90	190.00	Y400-8●	220					
39.2	282.98	229.97		Y450-8●	250	39.2	317.10	249.00	Y400-8●	280					
49.0	278.99	287.46		Y450-8●	315	49.0	313.10	308.00	Y450-8●	355	12000				
58.8	275.39	330.27		Y500-8●	400	58.8	309.60	367.00	Y450-8●	400					
68.6	272.07	385.32		Y500-8●	450	68.6	306.10	426.00	Y500-8●	500					
78.4	268.98	440.36		Y500-8●	500	73.5	304.40	455.00	Y500-8●	500					
710	335.7	9.8		318.80	64.51	Y315S-6	75	710	373.2	9.8				355.70	77.00
19.6		311.80	129.02	Y355M1-6	160	19.6	348.20			139.00	Y355M2-6	185			
29.4		306.42	193.53	Y355L1-6●	220	29.4	343.00			202.00	Y355L1-6	220			
39.2		301.90	243.70	Y400-6●	280	39.2	338.20			264.00	Y400-6●	280			
49.0		297.91	304.62	Y450-6●	355	49.0	334.20			327.00	Y400-6●	355	11700		
58.8		294.30	349.98	Y450-6●	500	58.8	330.70			389.00	Y450-6●	450			
68.6		290.98	408.32	Y450-6●	560	68.6	327.20			451.00	Y450-6●	500			
78.4		287.90	466.65	Y500-6●	560	73.5	325.50			483.00	Y450-6●	560			
730 *		345.15	9.8	328.25	66.33	Y315M-8	75			730 *	383.7	9.8		366.20	79.00
19.6	321.25		132.65	Y355M2-8	160	19.6	358.60	143.00	Y355M2-8			160			
29.4	315.88		198.98	Y400-8	220	29.4	353.40	207.00	Y400-8●			250			
39.2	311.35		250.56	Y450-8●	280	39.2	348.60	271.00	Y450-8●			315			
49.0	307.36		313.20	Y450-8●	355	49.0	344.70	335.00	Y450-8●			400	12230		
58.8	303.76		359.85	Y500-8●	450	58.8	341.10	400.00	Y450-8●			450			
68.6	300.44		419.82	Y500-8●	450	68.6	337.60	464.00	Y500-8●			500			
78.4	297.35		479.80	Y500-8●	560	73.5	336.00	496.00	Y500-8●			560			

Note: Direct drive is adopted for model with: " * " *
6000V High Voltage for types with: " ● " *

MTRG Series

MTRG-500 Roots Blower Performance Parameter Table							MTRG-600 Roots Blower Performance Parameter Table								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
590 *	383.7	9.8	361.40	78.00	Y315L2-10	90	12790	590 *	436.47	9.8	413.75	83.88	Y315M1-10	110	15970
		19.6	352.40	142.00	Y400-10●	185	19.6			404.33	167.75	Y400-10	185		
		29.4	345.70	206.00	Y450-10●	220	29.4			397.11	251.62	Y450-10●	280		
		39.2	339.90	270.00	Y450-10●	315	39.2			391.02	335.49	Y500-10●	400		
		49.0	334.40	334.00	Y450-10●	355	49.0			385.66	419.37	Y500-10●	450		
		58.8	329.70	398.00	Y500-10●	450	58.8			380.81	503.24	Y560-10●	560		
		63.7	327.40	431.00	Y500-10●	500	63.7			379.41	488.00	Y500-8●	560		
670	435.4	9.8	413.40	88.00	Y315L2-8	110	12910	670	488.00	9.8	436.40	93.00	Y315L1-6	110	16050
		19.6	404.40	161.00	Y355M3-8	185	19.6			404.40	161.00	Y355M3-8	185		
		29.4	397.70	234.00	Y400-8●	280	29.4			397.70	234.00	Y400-8●	280		
		39.2	391.90	306.00	Y450-8●	355	39.2			391.90	306.00	Y450-8●	355		
		49.0	386.40	379.00	Y450-8●	400	49.0			386.40	379.00	Y450-8●	400		
		58.8	381.70	452.00	Y500-8●	500	58.8			381.70	452.00	Y500-8●	500		
		63.7	379.41	488.00	Y500-8●	560	63.7			377.41	521.00	Y500-8●	560		
710	461.4	9.8	439.40	93.00	Y315L1-6	110	12000	710	514.4	9.8	517.32	103.77	Y315M1-3	132	16050
		19.6	430.40	170.00	Y355M3-6	200	19.6			430.40	170.00	Y355M3-6	200		
		29.4	423.70	248.00	Y400-6●	280	29.4			423.70	248.00	Y400-6●	280		
		39.2	417.90	325.00	Y400-6●	355	39.2			417.90	325.00	Y400-6●	355		
		49.0	412.40	402.00	Y450-6●	450	49.0			412.40	402.00	Y450-6●	450		
		58.8	407.70	479.00	Y450-6●	560	58.8			407.70	479.00	Y450-6●	560		
		63.7	405.40	528.00	Y450-6●	560	63.7			403.40	571.00	Y450-6●	560		
730 *	474.4	9.8	452.40	96.00	Y315L1-8	110	12910	730 *	540.04	9.8	475.32	106.77	Y315M1-8	160	16050
		19.6	443.40	175.00	Y355L-8	200	19.6			443.40	175.00	Y355L-8	200		
		29.4	436.70	253.00	Y400-8●	280	29.4			436.70	253.00	Y400-8●	280		
		39.2	430.90	333.00	Y450-8●	355	39.2			430.90	333.00	Y450-8●	355		
		49.0	425.40	412.00	Y450-8●	450	49.0			425.40	412.00	Y450-8●	450		
		58.8	420.70	492.00	Y500-8●	560	58.8			420.70	492.00	Y500-8●	560		
		63.7	418.40	529.00	Y500-8●	560	63.7			416.40	572.00	Y500-8●	560		

Note: Direct drive is adopted for model with: " * " *
6000V High Voltage for types with: " ● " *

MTRZ Series

MTRZ7-600 Roots Blower Performance Parameter Table							MTRZ7-700 Roots Blower Performance Parameter Table								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
490 *	513.37	9.8	479.50	107.50	Y355L-12	132	14400	490 *	583.75	9.8	542.10	122.30	Y355L-12	132	15600
		19.6	465.50	192.80	Y4504-12	220				19.6	524.80	219.30	Y4505-12	250	
		29.4	454.70	276.50	Y5002-12	315				29.4	511.60	314.50	Y5003-12	355	
		39.2	145.60	360.80	Y5004-12	400				39.2	500.40	410.30	Y5005-12	450	
		49.0	437.60	446.20	Y5601-12	500				49.0	490.50	507.40	Y5602-12	560	
		58.8	130.30	535.40	Y5602-12	560				58.8	481.60	608.80	Y5603-12	630	
		68.6	423.60	618.10	Y6301-12	710				68.6	473.40	702.80	Y6302-12	800	
		78.4	417.40	699.00	Y6302-12	800				78.4	465.70	794.90	Y6303-12	900	
		88.2	411.50	786.40	Y6303-12	900									
590 *	618.14	9.8	584.30	129.50	Y355L-10	160	14400	590 *	702.88	9.8	661.20	147.20	Y355L-10	160	15600
		19.6	570.30	232.20	Y4502-10	250				19.6	644.00	264.00	Y4503-10	280	
		29.4	559.50	333.00	Y4505-10	355				29.4	630.70	378.60	Y5001-10	400	
		39.2	550.40	434.40	Y5003-10	500				39.2	619.50	494.00	Y5004-10	560	
		49.0	542.30	537.30	Y5004-10	560				49.0	609.60	610.90	Y5601-10	710	
		58.8	535.10	644.70	Y5601-10	710				58.8	600.70	733.10	Y5602-10	800	
		68.6	528.40	744.20	Y5602-10	800				68.6	592.50	846.30	Y5603-10	900	
		78.4	522.20	841.70	Y5603-10	900				78.4	584.90	957.10	Y6301-10	1000	
		88.2	516.30	946.90	Y6301-10	1000									

Note: Direct drive is adopted for model with: ***

MTRZ Series

MTRZ7-750 Roots Blower Performance Parameter Table							MTRZ7-800 Roots Blower Performance Parameter Table								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
490 *	645.8	9.8	608.90	135.30	YKK450-12	185	16500	490 *	736.9	9.8	689.60	154.00	YKK450-12	185	18400
		19.6	593.60	242.60	Y5001-12	280				19.6	671.00	277.00	Y5002-12	315	
		29.4	581.90	348.00	Y5004-12	400				29.4	657.50	397.00	Y5005-12	450	
		39.2	572.00	453.90	Y5601-12	500				39.2	646.70	518.00	Y5602-12	560	
		49.0	563.20	561.40	Y5603-12	630				49.0	637.70	641.00	Y6301-12	710	
		58.8	555.30	673.60	Y6301-12	710									
590 *	777.6	9.8	740.70	162.90	JS138-10	180		590 *	887.3	9.8	841.60	186.00	Y4501-10	220	
		19.6	725.40	292.10	Y4504-10	315				19.6	823.70	333.00	Y4505-10	355	
		29.4	713.70	418.90	Y5002-10	450				29.4	810.60	478.00	Y5004-10	560	
		39.2	703.80	546.60	Y5005-10	630				39.2	800.10	624.00	Y5601-10	710	
		49.0	695.00	675.90	Y5601-10	710				49.0	791.40	772.00	Y5603-10	900	
		58.8	687.10	811.10	Y5603-10	900									

Note: Direct drive is adopted for model with: ***

MTRH Series

MTRH-600 Roots Blower Performance Parameter Table

MTRH-700 Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
490 *	595.3	9.8	559.00	127.00	Y355L-12	160	17450	490 *	790.22	9.8	744.00	162.00	Y355L-12	185	19950
		19.6	545.00	225.00	Y450S-12	250	19390			19.6	724.00	293.00	Y500S-12	315	23170
		29.4	533.00	324.00	Y500S-12	355	20670			29.4	709.00	424.00	Y500S-12	450	23170
		39.2	524.00	423.00	Y500S-12	450	20670			39.2	697.00	555.00	Y560S-12	630	24500
		49.0	515.00	522.00	Y560S-12	560	22000			49.0	686.00	686.00	Y630S-12	800	27000
		58.8	507.00	620.00	Y630S-12	710	24500			58.8	676.00	817.00	Y630S-12	900	27000
		68.6	500.00	719.00	Y630S-12	800	24500			68.6	667.00	948.00	Y630S-12	1000	27000
		78.4	494.00	818.00	Y630S-12	900	24500			9.8	905.00	195.00	Y450S-10	220	19950
		88.2	488.00	917.00	Y630S-12	1000	24500			19.6	886.00	353.00	Y500S-10	400	23170
590 *	716.79	9.8	681.00	153.00	Y355L2-10	185	17450	590 *	951.49	29.4	871.00	511.00	Y500S-10	560	23170
		19.6	666.00	271.00	Y450S-10	315	19390			39.2	858.00	669.00	Y560S-10	710	24500
		29.4	655.00	390.00	Y500S-10	450	20670			49.0	847.00	826.00	Y560S-10	900	27000
		39.2	645.00	509.00	Y500S-10	560	20670			58.8	837.00	984.00	Y630S-10	1120	27000
		49.0	637.00	628.00	Y560S-10	710	22000			68.6	828.00	1142.00	Y630S-10	1250	27000
		58.8	629.00	747.00	Y560S-10	800	24500								
		68.6	622.00	866.00	Y630S-10	1000	24500								
		78.4	615.00	985.00	Y630S-10	1120	24500								
		88.2	609.00	1104.00	Y630S-10	1250	24500								

MTRH Series

MTRH-800 Roots Blower Performance Parameter Table

MTRH-900 Roots Blower Performance Parameter Table

Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
490 *	921.93	9.8	869.00	187.00	Y450S-12	220	23190	490 *	1096.4	9.8	1034.00	219.00	Y450S-12	250	29500
		19.6	847.00	341.00	Y500S-12	400	24470			19.6	1009.00	400.00	Y500S-12	450	
		29.4	831.00	494.00	Y560S-12	560	25800			29.4	991.00	582.00	Y560S-12	630	
		39.2	817.00	647.00	Y630S-12	710	26300			39.2	975.00	763.00	Y630S-12	900	
		49.0	804.00	800.00	Y630S-12	900	28300			49.0	961.00	944.00	Y630S-12	1000	
		9.8	1057.00	225.00	Y450S-12	250	23190			9.8	1257.00	264.00	Y450S-10	315	
		19.6	1036.00	410.00	Y500S-12	450	24470			19.6	1232.00	480.00	Y500S-10	560	
		29.4	1019.00	594.00	Y500S-10	630	25800			29.4	1214.00	700.00	Y560S-10	800	
		39.2	1005.00	779.00	Y560S-10	900	26300			39.2	1198.00	919.00	Y630S-10	1000	
590 *	1110.1	49.0	992.00	963.00	Y630S-10	1120	28300	590 *	1320.1	49.0	1184.00	1137.00	Y630S-10	1250	29500

MTRR Two Stage Series

MTRRB-65 Two Stage Roots Blower							MTRRB-100 Two Stage Roots Blower								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
1150	2.29	98.0	0.66	3.85	Y132S-4	5.5	310	1150	6.33	98.0	3.58	10.50	Y160L-4	15	720
		107.8	0.63	4.20	Y132S-4	5.5				107.8	3.53	11.20	Y160L-4	15	
		117.6	0.61	4.45	Y132S-4	5.5				117.6	3.53	12.00	Y160L-4	15	
1450	2.89	98.0	1.26	4.85	Y132S-4	5.5	370	1450	7.99	127.4	3.48	12.80	Y160L-4	15	770
		107.8	1.23	5.27	Y132M-4	7.5				98.0	5.24	13.20	Y180M-4	18.5	
		117.6	1.21	5.61	Y132M-4	7.5				107.8	5.19	14.20	Y180M-4	18.5	
		127.4	1.19	6.00	Y132M-4	7.5				117.6	5.19	15.10	Y180M-4	18.5	
		137.2	1.16	6.34	Y132M-4	7.5				127.4	5.14	16.20	Y180M-4	18.5	
		147.0	1.11	6.72	Y160M-4	11				137.2	5.09	17.20	Y180L-4	22	
		156.8	1.09	7.11	Y160M-4	11				147.0	5.04	18.20	Y180L-4	22	
		166.6	1.07	7.50	Y160M-4	11				156.8	6.89	16.00	Y180M-4	18.5	
1750	3.49	98.0	1.86	5.85	Y132M-4	7.5	370	1750	9.64	107.8	6.84	17.10	Y180L-4	22	830
		107.8	1.83	6.46	Y132M-4	7.5				117.6	6.84	18.30	Y180L-4	22	
		117.6	1.81	6.77	Y132M-4	7.5				127.4	6.79	19.50	Y180L-4	22	
		127.4	1.79	7.24	Y160M-4	11				137.2	6.79	20.70	Y200L-4	30	
		137.2	1.76	7.65	Y160M-4	11				147.0	6.69	22.00	Y200L-4	30	
		147.0	1.71	8.11	Y160M-4	11				156.8	6.69	23.00	Y200L-4	30	
		156.8	1.69	8.58	Y160M-4	11				166.6	6.64	24.30	Y200L-4	30	
		166.6	1.68	9.05	Y160M-4	11				98.0	8.25	18.30	Y180L-4	22	
2000	3.99	98.0	2.36	6.70	Y160M-4	11	390	2000	11	107.8	8.20	19.50	Y180L-4	22	830
		107.8	2.33	7.27	Y160M-4	11				117.6	8.20	20.90	Y200L-4	30	
		117.6	2.31	7.74	Y160M-4	11				127.4	8.15	22.30	Y200L-4	30	
		127.4	2.29	8.27	Y160M-4	11				137.2	8.10	23.10	Y200L-4	30	
		137.2	2.26	8.75	Y160M-4	11				147.0	8.05	25.10	Y200L-4	30	
		147.0	2.21	9.27	Y160M-4	11				156.8	8.05	26.30	Y200L-4	30	
		156.8	2.19	9.80	Y160L-4	15				166.6	8.00	27.80	Y225S-4	37	
		166.6	2.18	10.40	Y160L-4	15				176.4	7.95	29.20	Y225S-4	37	
		176.4	2.17	10.80	Y160L-4	15				196.0	7.90	31.90	Y225S-4	37	
		196.0	2.16	11.80	Y160L-4	15				98.0	10.95	22.80	Y200L-1-2	30	830
2500	4.98	98.0	3.35	8.40	Y160M1-2	11	390	2500	13.7	107.8	10.90	24.40	Y200L-1-2	30	
		107.8	3.32	9.10	Y160M1-2	11				117.6	10.90	26.10	Y200L-1-2	30	
		117.6	3.30	9.67	Y160M1-2	11				127.4	10.85	27.90	Y200L-2-2	37	
		127.4	3.28	10.40	Y160M2-2	15				137.2	10.80	29.60	Y200L-2-2	37	
		137.2	3.25	10.90	Y160M2-1	15				147.0	10.75	31.40	Y200L-2-2	37	
		147.0	3.20	11.60	Y160M2-2	15				156.8	10.75	32.90	Y200L-2-2	37	
		156.8	3.18	12.30	Y160M2-2	15				166.6	10.70	34.70	Y225M-2	45	
		166.6	3.17	12.90	Y160M2-2	15				176.4	10.65	36.50	Y225M-2	45	
		176.4	3.16	13.50	Y160M2-2	15				196.0	10.60	39.80	Y225M-2	45	
		196.0	3.15	14.70	Y160L-2	18.5				98.0	4.35	10.00	Y160M2-2	15	390
3000	5.98	107.8	4.32	10.90	Y160M2-2	15				117.6	4.30	11.60	Y160M2-2	15	
		117.6	4.30	11.60	Y160M2-2	15				127.4	4.28	12.40	Y160M2-2	15	
		127.4	4.28	12.40	Y160M2-2	15				137.2	4.25	13.10	Y160M2-2	15	
		137.2	4.25	13.10	Y160M2-2	15				147.0	4.20	13.90	Y160L-2	18.5	
		147.0	4.20	13.90	Y160L-2	18.5				156.8	4.18	14.70	Y160L-2	18.5	
		156.8	4.18	14.70	Y160L-2	18.5				166.6	4.17	15.50	Y160L-2	18.5	
		166.6	4.17	15.50	Y160L-2	18.5				176.4	4.16	16.20	Y160L-2	18.5	
		176.4	4.16	16.20	Y160L-2	18.5				196.0	4.15	17.60	Y180M-2	22	420

MTRR Two Stage Series

MTRRB-125 Two Stage Roots Blower							MTRRD-130 Two Stage Roots Blower								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
970	11.1	98.0	6.95	17.90	Y180L-4	22	1300	970	16.9	98.0	10.90	26.80	Y200L-4	30	1600
		107.8	6.90	19.30	Y180L-4	22				107.8	10.60	28.80	Y225S-4	37	
		117.6	6.85	20.70	Y200L-4	30				117.6	10.50	30.70	Y225S-4	37	
		127.4	6.80	22.10	Y200L-4	30				127.4	10.40	32.80	Y225S-4	37	
		137.2	6.75	23.50	Y200L-4	30				137.2	10.40	34.80	Y225M-4	45	
		147.0	6.70	24.80	Y200L-4	30				147.0	10.30	36.80	Y225M-4	45	
		156.8	6.65	26.20	Y200L-4	30				156.8	10.30	38.70	Y225M-4	45	
		166.6	6.60	27.60	Y200L-4	30				166.6	10.20	40.60	Y225M-4	45	
1150	13.2	98.0	9.05	21.30	Y200L-4	30	1400	1150	20.2	98.0	14.20	31.70	Y225S-4	37	1720
		107.8	9.00	22.90	Y200L-4	30				107.8	13.90	34.10	Y225M-4	5 4	
		117.6	8.95	24.50	Y200L-4	30				117.6	13.80	36.50	Y225M-4	45	
		127.4	8.90	26.20	Y200L-4	30				127.4	13.70	39.00	Y225M-4	45	
		137.2	8.85	27.80	Y225S-4	37				137.2	13.70	41.20	Y250M-4	55	
		147.0	8.80	29.40	Y225S-4	37				147.0	13.60	43.60	Y250M-4	55	
		156.8	8.75	31.10	Y225S-4	37				156.8	13.60	45.90	Y250M-4	55	
		166.6	8.70	32.60	Y225S-4	37				166.6	13.50	48.20	Y250M-4	55	
1450	16.6	98.0	12.50	26.80	Y200L-4	30	1500	1450	25.3	98.0	19.30	40.00	Y225M-4	45	1870
		107.8	12.40	28.90	Y225S-4	37				107.8	19.00	43.00	Y250M-4	55	
		117.6	12.40	30.90	Y225S-4	37				117.6	18.90	46.00	Y250M-4	55	
		127.1	12.30	33.00	Y225S-4	37				127.4	18.80	49.10	Y250M-4	5 5	
		137.2	12.30	35.10	Y225M-4	45				137.2	18.70	52.00	Y280S-4	75	
		147.0	12.20	37.00	Y225M-1	45				147.0	18.70	55.00	Y280S-4	5 7	
		156.8	12.20	39.20	Y225M-4	45				156.8	18.70	57.90	Y280S-4	75	
		166.6	12.10	41.10	Y250M-4	55				166.6	18.60	60.80	Y280S-4	75	
1750	20	76.4	12.10	43.20	Y250M-4	55	1700	1750	30.5	176.4	18.70	57.90	Y280S-4	75	1970
		98.0	15.90	32.40	Y225S-2	37				166.6	18.60	60.80	Y280S-4	75	
		107.8	15.80	34.90	Y225M-2	45				176.4	18.60	63.80	Y280S-4	75	
		117.6	15.80	37.30	Y225M-2	45				196.0	18.50	69.60	Y280M-4	90	
		127.4	15.70	39.80	Y225M-2	45				98.0	24.50	48.30	Y250M-4	55	
		137.2	15.70	42.40	Y250M-1	55				107.8	24.20	51.90	Y280S-4	75	
		147.0	15.60	44.70	Y250M-2	55				117.6	24.10	55.50	Y280S-4	75	
		156.8	15.60	47.30	Y250M-2	55				127.4	24.00	59.20	Y280S-4	75	
2000	22.9	166.6	15.50	49.60	Y250M-2	55	1700	2000	34.9	137.2	24.00	62.70	Y280S-4	75	2000
		176.4	15.50	52.20	Y280S-2	75				147.0	23.90	66.30	Y280S-4	75	
		196.0	15.40	56.80	Y280S-2	75				156.8	23.90	70.00	Y280M-4	90	
		98.0	18.75	37.00	Y225M-2	45				166.6	23.80	73.30	Y280M-4	90	
		107.8	18.70	39.80	Y225M-2	45				176.4	23.80	77.00	Y280M-4	90	
		117.6	18.65	42.60	Y250M-2	55				196.0	23.70	84.00	Y315S-4	110	
		127.4	18.60	45.50	Y250M-2	55				98.0	28.60	55.20	Y280S-4	75	
		137.2	18.55	48.40	Y250M-2	55				107.8	28.60	59.30	Y280S-4	75	
		147.0	18.50	51.10	Y280S-2	75				117.6	28.50	63.40	Y280S-4	75	
		156.8	18.45	54.00	Y280S-2	75				127.4	28.40	67.70	Y280S-4	75	
		166.6	18.40	56.70	Y280S-2	75				137.2	28.35	71.70	Y280M-4	90	
		176.4	18.35	59.60	Y280S-2	75				147.0	28.30	75.80	Y280M-4	90	
		196.0	18.30	64.90	Y280S-2	75				156.8	28.25	79.80	Y280M-4	90	
		166.6	28.20	83.80	Y315S-4	110				176.4	28.15	88.00	Y315S-4	110	
		196.0	28.10	96.00	Y315S-4	110									

MTRR Two Stage Series

MTRRD-150 Two Stage Roots Blower							MTRRE-150 Two Stage Roots Blower								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
970	20.8	98.0	13.30	32.80	Y225S-4	37	2100	970 *	35.5	98.0	26.70	56.00	Y315S-6	75	3200
		107.8	13.20	35.30	Y225M-4	45				107.8	26.60	60.40	Y315S-6	75	
		117.6	13.10	37.70	Y225M-4	45				117.6	26.50	64.50	Y315S-6	75	
		127.4	13.00	40.20	Y225M-4	45				127.4	26.40	68.60	Y315M-6	90	
		137.2	13.00	42.60	Y250M-4	55				137.2	26.30	72.60	Y315M-6	90	
		147.0	12.90	45.00	Y225M-4	55				147.0	26.20	76.90	Y315M-6	90	
1150	24.6	98.0	17.10	38.90	Y225M-4	45	2200	1170	42.8	156.8	26.10	81.20	Y315L1-6	110	3500
		107.8	17.00	41.80	Y250M-4	55				166.6	26.00	84.80	Y315L1-6	110	
		117.6	18.90	44.70	Y250M-4	55				176.4	26.00	89.10	Y315L1-6	110	
		127.4	16.80	47.70	Y250M-4	55				196.0	25.90	97.00	Y315L1-6	110	
		137.2	16.80	50.50	Y280S-4	75				98.0	34.00	67.50	Y280S-4	75	
		147.0	16.70	53.30	Y280S-4	75				107.8	33.90	72.80	Y280M-4	90	
1450	31.1	98.0	23.60	49.00	Y250M-4	55	2200	1250	45.8	117.6	33.80	77.70	Y280M-4	90	3600
		107.8	23.50	52.70	Y280S-4	75				127.4	33.70	82.80	Y315S-4	110	
		117.6	23.40	56.30	Y280S-4	75				137.2	33.60	87.50	Y315S-4	110	
		127.4	23.30	60.10	Y280S-4	75				147.0	33.50	92.70	Y315S-4	110	
		137.2	23.30	63.70	Y280S-4	75				156.8	33.40	97.80	Y315S-4	110	
		147.0	23.20	67.30	Y280S-4	75				166.6	33.30	102.00	Y315M-4	132	
1750	37.5	98.0	30.00	59.20	Y280S-4	75	2300	1350	49.4	176.4	33.30	107.00	Y315M-4	132	3600
		107.8	29.90	63.60	Y280S-4	75				196.0	33.20	117.00	Y315M-4	132	
		117.6	29.80	68.00	Y280S-4	75				98.0	37.00	72.10	Y280M-4	90	
		127.4	29.70	72.50	Y280M-4	90				107.8	36.90	77.80	Y280M-4	90	
		137.2	29.70	77.00	Y280M-4	90				117.6	36.80	83.10	Y315S-4	110	
		147.0	29.60	81.20	Y280M-4	90				127.4	36.70	88.40	Y315S-4	110	
2000	42.9	98.0	35.40	67.20	Y280S-4	75	2550	1450 *	53.1	137.2	36.60	93.50	Y315S-4	110	4200
		107.8	35.30	72.70	Y280M-4	90				147.0	36.50	99.10	Y315S-4	110	
		117.6	35.20	77.70	Y280M-4	90				156.8	36.40	105.00	Y315M-4	132	
		127.4	35.10	82.90	Y315S-4	110				166.6	36.30	109.00	Y315M-4	132	
		137.2	35.10	87.90	Y315S-4	110				176.4	36.30	115.00	Y315M-4	132	
		147.0	35.00	92.80	Y315S-4	110				196.0	36.20	125.00	Y315L1-4	160	
		98.0	35.40	67.20	Y280S-4	75	2650	1450 *	53.1	196.0	36.20	125.00	Y315L1-4	160	4200
		107.8	35.30	72.70	Y280M-4	90				98.0	44.30	84.20	Y280M-4	90	
		117.6	35.20	77.70	Y280M-4	90				107.8	44.20	90.70	Y315S-4	110	
		127.4	35.10	82.90	Y315S-4	110				117.6	44.10	96.80	Y315S-4	132	
		137.2	35.10	87.90	Y315S-4	110				127.4	44.00	103.10	Y315S-4	132	
		147.0	35.00	92.80	Y315S-4	110				137.2	43.90	109.00	Y315M-4	132	
		98.0	35.40	67.20	Y280S-4	75	2650	1450 *	53.1	147.0	43.80	115.40	Y315M-4	132	4200
		107.8	35.30	72.70	Y280M-4	90				156.8	43.70	121.90	Y315L1-4	160	
		117.6	35.20	77.70	Y280M-4	90				166.6	43.60	127.20	Y315L1-4	160	
		127.4	35.10	82.90	Y315S-4	110				176.4	43.50	133.70	Y315L1-4	160	
		137.2	35.10	87.90	Y315S-4	110				196.0	43.50	145.50	Y315M1-4	185	
		147.0	35.00	92.80	Y315S-4	110									

Note: Unit Max Weight not include the intercooler

MTRR Two Stage Series

MTRRE-190 Two Stage Roots Blower							MTRRE-200 Two Stage Roots Blower								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
970	44.4	98.0	33.40	70.10	Y315M-6	90	4020	970	54.3	98.0	42.80	84.80	Y315L1-6	110	4020
		107.8	33.30	74.70	Y315M-6	90				107.8	42.50	91.00	Y315L1-6	110	
		117.6	33.10	80.50	Y315M-6	90				117.6	42.40	97.70	Y315L1-6	110	
		127.4	33.00	85.50	Y315L1-6	110				127.4	42.30	104.00	Y315L2-6	132	
		137.2	32.90	90.50	Y315L1-6	110				137.2	42.30	110.00	Y315L2-6	132	
		147.0	32.80	95.60	Y315L1-6	110				147.0	42.20	116.00	Y315L2-6	132	
		156.8	32.70	99.90	Y315L1-6	110				156.8	42.10	123.00	Y355M1-6	160	
		166.6	32.60	105.00	Y315L2-6	132				166.6	42.00	129.00	Y355M1-6	160	
		176.4	32.50	110.00	Y315L2-6	132				176.4	41.80	136.00	Y355M1-6	160	
		196.0	32.30	120.00	Y315L2-6	132				98.0	54.00	102.00	Y315M-4	132	
1170	53.6	98.0	42.60	84.50	Y315S-4	110	3900	1170	65.5	107.8	53.70	110.00	Y315M-4	132	3900
		107.8	42.50	90.10	Y315S-4	110				117.6	53.60	118.00	Y315M-4	132	
		117.6	42.30	97.10	Y315S-4	110				127.4	53.50	126.00	Y315L1-4	160	
		127.4	42.20	103.00	Y315M-4	132				137.2	53.50	133.00	Y315L1-4	160	
		137.2	42.10	109.00	Y315M-4	132				147.0	53.40	140.00	Y315L1-4	160	
		147.0	42.00	115.00	Y315M-4	132				156.8	53.30	148.00	Y315M1-4	185	
		156.8	41.90	120.00	Y315M-4	132				166.6	53.20	155.00	Y315M1-4	185	
		166.6	41.80	127.00	Y315L1-4	160				176.4	53.00	164.00	Y315M1-4	185	
		176.4	41.70	133.00	Y315L1-4	160				98.0	58.50	109.00	Y315M-4	132	
		196.0	41.50	145.00	Y315L1-4	160				107.8	58.20	118.00	Y315M-4	132	
1250	57.2	98.0	46.20	90.30	Y315S-4	110	3710	1250	70	117.6	58.10	126.00	Y315L1-4	160	3710
		107.8	46.10	96.30	Y315S-4	110				127.4	58.00	134.00	Y315L1-4	160	
		117.6	45.90	104.00	Y315M-4	132				137.2	58.00	142.00	Y315L1-4	160	
		127.4	45.80	110.00	Y315M-4	132				147.0	57.90	150.00	Y315M1-4	185	
		137.2	45.70	117.00	Y315M-4	132				156.8	57.80	158.00	Y315M1-4	185	
		147.0	45.60	123.00	Y315L1-4	160				166.6	57.70	166.00	Y315M1-4	185	
		156.8	45.50	129.00	Y315L1-4	160				176.4	57.50	175.00	Y315L2-4	200	
		166.6	45.40	135.00	Y315L1-4	160				98.0	64.00	118.00	Y315M-4	132	
		176.4	45.30	142.00	Y315L1-4	160				107.8	63.70	127.00	Y315L1-4	160	
		196.0	45.10	155.00	Y315M1-4	185				117.6	63.60	136.00	Y315L1-4	160	
1350	61.8	98.0	50.80	97.50	Y315S-4	110	3710	1350	75.5	127.4	63.60	145.00	Y315L1-4	160	3710
		107.8	50.70	104.00	Y315M-4	132				137.2	63.50	153.00	Y315M1-4	185	
		117.6	50.50	112.00	Y315M-4	132				147.0	63.40	162.00	Y315M1-4	185	
		127.4	50.40	119.00	Y315M-4	132				156.8	63.30	171.00	Y315L2-4	200	
		137.2	50.30	126.00	Y315L1-4	160				166.6	63.20	179.00	Y315L2-4	200	
		147.0	50.20	133.00	Y315L1-4	160				176.4	63.00	189.00	Y315L2-4	200	
		156.8	50.10	139.00	Y315L1-4	160				98.0	69.20	128.00	Y315L1-4	160	
		166.6	50.00	146.00	Y315M1-4	185				107.8	68.90	138.00	Y315L1-4	160	
		176.4	49.90	153.00	Y315M1-4	185				117.6	68.80	147.00	Y315L1-4	160	
		196.0	49.70	167.00	Y315M1-4	185				127.4	68.70	157.00	Y315M1-4	185	
1450 *	66.4	98.0	55.20	105.50	Y315M-4	132	4300	1450 *	81.1	137.2	68.70	166.00	Y315M1-4	185	4300
		107.8	55.10	112.50	Y315M-4	132				147.0	68.60	176.00	Y315L2-4	200	
		117.6	54.90	121.10	Y315L1-4	160				156.8	68.50	185.00	Y355M1-4	220	
		127.4	54.70	128.60	Y315L1-4	160				166.6	68.40	194.00	Y355M1-4	220	
		137.2	54.60	136.10	Y315L1-4	160				176.4	68.20	204.00	Y355M2-4	250	
		147.0	54.50	143.70	Y315L1-4	160									
		156.8	54.40	150.10	Y315M1-4	185									
		166.6	54.20	157.60	Y315M1-4	185									
		176.4	54.10	165.10	Y315M1-4	185									
		196.0	54.00	180.20	Y355M1-4	220									

MTRR Two Stage Series

MTRRE-250 Two Stage Roots Blower							MTRSR-250 Two Stage Roots Blower								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
970 *	69.1	98.0	54.7	108	Y315L2-6	132	4900	970 *	101.8	98.0	82.8	157.7	Y355M2-6	185	4310
		107.8	54.5	115.7	Y315L2-6	132				107.8	82.5	171.2	Y355M2-6	185	
		117.6	54.3	123.2	Y355M1-6	160				117.6	82.5	184.7	Y355L1-6	220	
		127.4	54.1	131.2	Y355M1-6	160				127.4	81.3	198.2	Y355L1-6	220	
		137.2	54	139	Y355M1-6	160				137.2	81.3	211.8	Y355L3-6	250	
		147.0	53.8	146.7	Y355M2-6	185				147.0	80.9	222.1	Y355L3-6	250	
		156.8	53.6	154.6	Y355M2-6	185				156.8	80.9	238.3	Y400-6	280	
		166.6	53.4	162.6	Y355M2-6	185				166.6	80.6	252.4	Y400-6	280	
1170	83.3	98.0	68.9	131	Y315L1-4	160	4400	1170	121.5	98.0	102.5	188.3	Y355M1-4	220	4310
		107.8	68.7	140.2	Y315L1-4	160				107.8	102.5	204.4	Y355M1-4	220	
		117.6	68.5	149.5	Y315M1-4	185				117.6	101.8	220.6	Y355M1-4	250	
		127.4	68.3	158.7	Y315M1-4	185				127.4	101.8	236.7	Y355L1-4	280	
		137.2	68.2	168	Y315L2-4	200				137.2	101.1	252.9	Y355L1-4	280	
		147.0	68	177.2	Y315L2-4	200				147.0	101.1	269.1	Y400-4	315	
		156.8	67.8	186.5	Y315M3-4	220				156.8	99.6	285.2	Y400-4	315	
		166.6	67.6	195.6	Y315M3-4	220				166.6	99.6	301.4	Y400-4	355	
1250	89	98.0	74.6	140	Y315L1-4	160	4500	1250	129.8	98.0	110.8	201.1	Y355M1-4	220	4310
		107.8	74.4	150	Y315M1-4	185				107.8	110.8	218.4	Y355M1-4	250	
		117.6	74.2	160	Y315M1-4	185				117.6	109.5	235.7	Y355L1-4	280	
		127.4	74	170	Y315L2-4	200				127.4	109.5	252.9	Y355L1-4	280	
		137.2	73.9	180	Y315M3-4	220				137.2	108.3	270.2	Y400-4	315	
		147.0	73.7	190	Y315M3-4	220				147.0	8.3	287.5	Y400-4	315	
		156.8	73.5	200	Y355M1-4	250				156.8	108.3	304.7	Y400-4	355	
		166.6	73.3	209.6	Y355M1-4	250				166.6	107.6	322	Y400-4	355	
1350	96.2	98.0	81.8	151	Y315M1-4	185	4650	1350	140.2	98.0	121.2	217.2	Y355M1-4	250	4310
		107.8	81.6	161.7	Y315M1-4	185				107.8	121.2	235.8	Y355L1-4	280	
		117.6	81.4	172.5	Y315L2-4	200				117.6	120.1	254.5	Y355L1-4	280	
		127.4	81.2	183.2	Y315M3-4	220				127.4	120.1	273.2	Y400-4	315	
		137.2	81.1	194	Y355M1-4	250				137.2	119.2	291.8	Y400-4	315	
		147.0	80.9	204.7	Y355M1-4	250				147.0	119.1	310.5	Y400-4	355	
		156.8	80.7	215.5	Y355M1-4	250				156.8	119.1	329.1	Y400-4	355	
		166.6	80.5	224.5	Y355M1-4	250				166.6	118	347.7	Y450-4	400	
1450 *	103	98.0	88.4	163	Y315M1-4	185	5500	1450 *	150.6	98.0	131.6	233.3	Y355L1-4	280	5100
		107.8	88.3	174	Y315L2-4	200				98.0	131.6	253.3	Y355L1-4	280	
		117.6	88.1	186	Y315L2-4	200				117.6	130.5	273.3	Y400-4	315	
		127.4	87.8	198	Y315M3-4	220				127.4	130.5	293.4	Y400-4	315	
		137.2	87.7	210	Y355M1-4	250				137.2	129.1	313.4	Y400-4	355	
		147.0	87.6	221.4	Y355M1-4	250				147.0	129.1	333.4	Y400-4	355	
		156.8	87.4	232.4	Y355M1-4	250				156.8	129	353.5	Y450-4	400	
		166.6	87.2	243.4	Y355M1-4	250				166.6	127.5	373.5	Y450-4	400	

Note: 6000V High Voltage for types with: " ● "
Unit Max Weight not include the intercooler

MTRR Two Stage Series

MTRRE-300 Two Stage Roots Blower							MTRRF-295 Two Stage Roots Blower								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
970 *	137.5	98.0	115.8	213.3	Y355L3-6	250	4200	970 *	122.3	98.0	97.2	188	Y315L1-6	200	8950
		107.8	115.8	232.1	Y400-6●	280				107.8	97.2	203	Y315L1-6	220	
		117.6	115.8	250.8	Y400-6●	280				117.6	96.2	218	Y315L3-6	250	
		127.4	114.5	269.6	Y400-6●	315				127.4	96.2	232	Y315L3-6	250	
		137.2	114.5	288.4	Y400-6●	315				137.2	96.2	246	Y400-6●	280	
		147.0	114.5	307.2	Y400-6●	315				147.0	96.2	259	Y400-6●	280	
1170	165.8	98.0	144.2	257.3	Y355L1-4	280	4400	970 *	122.3	156.8	95.2	273	Y400-6●	315	8950
		107.8	144.2	280	Y400-4●	315				166.6	95.2	288	Y450-6●	315	
		117.6	144.2	302.6	Y400-4●	355				176.4	94.2	301	Y400-6●	355	
		127.4	143.1	325.2	Y400-4●	355				196.0	94.2	327	Y400-6●	355	
		137.2	143.1	347.8	Y450-4●	400				98.0	122	226	Y400-6●	250	
		147.0	143.1	370.5	Y450-4●	400				107.8	122	244	Y400-6●	280	
1250	177.2	98.0	155.5	274.9	Y400-4●	315	4500	880	147.4	117.6	121	262	Y400-6●	315	8950
		107.8	155.5	299.1	Y400-4●	355				127.4	121	279	Y400-6●	315	
		117.6	155.5	323.3	Y400-4●	355				137.2	121	298	Y400-6●	355	
		127.4	154.2	347.5	Y450-4●	400				147.0	121	312	Y400-6●	355	
		137.2	154.2	371.7	Y450-4●	400				156.8	120	330	Y400-6●	400	
		147.0	154.2	395.9	Y450-4●	450				166.6	120	347	Y450-6●	400	
1350	191.4	98.0	169.7	296.9	Y400-4●	315	5000	980 *	164.1	176.4	119	363	Y400-6●	400	9100
		107.8	169.5	323.1	Y400-4●	355				196.0	119	394	Y400-6●	450	
		117.6	169.2	349.3	Y450-4●	400				98.0	139	252	Y400-6●	280	
		127.4	168.2	375.5	Y450-4●	400				107.8	139	272	Y400-6●	315	
		137.2	168.2	401.7	Y450-4●	450				117.6	138	292	Y400-6●	315	
		147.0	168.2	427.9	Y450-4●	450				127.4	138	311	Y400-6●	355	
1450 *	205.5	98.0	183.8	318.9	Y400-4●	355	5500	980 *	164.1	137.2	138	330	Y400-6●	355	9100
		107.8	183.8	346.9	Y450-4●	400				147.0	138	348	Y400-6●	400	
		117.6	183.2	374.9	Y450-4●	450				156.8	137	367	Y400-6●	400	
		127.4	182.1	402.9	Y450-4●	450				166.6	137	386	Y450-6●	450	
		137.2	182.1	430.9	Y450-4●	500				176.4	137	404	Y450-6●	450	
		147.0	182.1	458.9	Y450-4●	500				196.0	136	439	Y450-6●	500	

MTRR Two Stage Series

MTRRF-300 Two Stage Roots Blower							MTRRF-300 Two Stage Roots Blower								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
730 *	150.2	98.0	123.00	222.00	Y315L2-6	250	9600	730 *	178.2	98.0	146.00	271.00	Y315L2-6	315	10400
		107.8	123.00	250.00	Y315L2-6	280				107.8	146.00	291.00	Y315L2-6	355	
		117.6	122.00	267.00	Y355M1-6	315				117.6	145.00	312.00	Y355M1-6	355	
		127.4	122.00	284.00	Y355M1-6	315				127.4	145.00	331.00	Y355M1-6	400	
		137.2	121.00	302.00	Y355M1-6	355				137.2	144.00	352.00	Y355M1-6	400	
		147.0	121.00	320.00	Y365M2-6	355									
		156.8	120.00	332.00	Y355M2-6	400									
		166.6	119.00	353.00	Y315L1-6	400				98.0	163.00	297.00	Y400-6	355	
		176.4	119.00	370.00	Y315L1-6	400									
800	164.6	98.0	137.00	254.00	Y400-6	280	9200	800	195.2	107.8	163.00	318.00	Y400-6	355	10500
		107.8	137.00	273.00	Y400-6	315				117.6	162.00	342.00	Y400-6	400	
		117.6	136.00	292.00	Y400-6	355				127.4	162.00	363.00	Y400-6	400	
		127.4	136.00	311.00	Y400-6	355				137.2	161.00	386.00	Y400-6	450	
		137.2	135.00	331.00	Y400-6	400									
		147.0	135.00	350.00	Y400-6	400									
		156.8	134.00	364.00	Y400-6	400				98.0	183.00	327.00	Y400-6	355	
		166.6	133.00	387.00	Y450-6	450				107.8	183.00	350.00	Y400-6	400	
		176.4	133.00	406.00	Y450-6	450				117.6	182.00	376.00	Y400-6	450	
880	181.1	98.0	153.00	279.00	Y400-6	315	9800	880	214.8	127.4	182.00	400.00	Y400-6	450	10600
		107.8	153.00	301.00	Y400-6	355				127.4	182.00	425.00	Y400-6	500	
		117.6	152.00	321.00	Y400-6	355				137.2	181.00	445.00	Y400-6	500	
		127.4	152.00	342.00	Y400-6	400									
		137.2	151.00	365.00	Y400-6	400									
		147.0	151.00	385.00	Y450-6	450									
		156.8	150.00	400.00	Y450-6	450									
		166.6	149.00	426.00	Y450-6	500									
		176.4	149.00	446.00	Y450-6	500									
980 *	201.7	98.0	174.00	311.00	Y400-6	355	10500	980 *	239.2	98.0	207.00	364.00	Y400-6	400	11110
		107.8	174.00	335.00	Y400-6	400				107.8	207.00	390.00	Y400-6	450	
		117.6	173.00	358.00	Y400-6	400				117.6	206.00	419.00	Y400-6	450	
		127.4	173.00	381.00	Y450-6	450				127.4	206.00	445.00	Y450-6	500	
		137.2	172.00	406.00	Y450-6	450				137.2	205.00	473.00	Y450-6	560	
		147.0	172.00	429.00	Y450-6	500									
		156.8	171.00	446.00	Y450-6	500									
		166.6	170.00	474.00	Y450-6	500									
		176.4	170.00	497.00	Y450-6	560									

Note: 6000V High Voltage for types with: * * *
Unit Max Weight not include the intercooler

MTRR Two Stage Series

MTRRF-395 Two Stage Roots Blower							MTRRG-400 Two Stage Roots Blower								
Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg	Rotary Speed r/min	Theory Capacity m³/min	Pressure Rise kpa	Air Capacity m³/min	Shaft Power kW	Motor		Unit Maximum Weight Kg
					Type	Power kW							Type	Power kW	
730 *	194	98.0	159.00	302.00	Y450-8●	355	13600	590 *	248.1	98.0	209.00	380.00	Y500-10●	450	21350
		107.8	158.00	325.00	Y450-8●	355				107.8	208.00	411.00	Y500-10●	450	
		117.6	158.00	347.00	Y450-8●	400				117.6	208.00	440.00	Y500-10●	500	
		127.4	157.00	369.00	Y450-8●	400				127.4	207.00	471.00	Y500-10●	560	
		137.2	157.00	391.00	Y450-8●	450				137.2	207.00	501.00	Y500-10●	560	
		147.0	157.00	413.00	Y400-6●	450				147.0	206.00	530.00	Y500-10●	630	
		156.8	156.00	434.00	Y450-6●	500				156.8	206.00	542.00	Y500-10●	630	
										166.6	206.00	590.00	Y560-10●	710	
										176.4	205.00	620.00	Y560-10●	710	
980 *	260.4	98.0	226.00	406.00	Y450-6●	450	13600	730 *	311.1	98.0	273.00	480.00	Y500-8●	560	24200
		107.8	226.00	436.00	Y450-6●	500				107.8	273.00	518.00	Y500-8●	560	
		117.6	225.00	466.00	Y450-6●	500				117.6	272.00	554.00	Y500-6●	630	
		127.4	225.00	496.00	Y450-6●	560				127.4	272.00	592.00	Y500-6●	710	
		137.2	225.00	525.00	Y450-6●	560				137.2	271.00	628.00	Y500-8●	710	
		147.0	224.00	554.00	Y450-6●	630				147.0	271.00	664.00	Y550-10●	710	
		156.8	224.00	583.00	Y450-6●	630				156.8	270.00	680.00	Y560-8●	800	
										166.6	270.00	737.00	Y560-8●	800	
										176.4	269.00	773.00	Y560-8●	900	

Note: 6000V High Voltage for types with: * * *
Unit Max Weight not include the intercooler