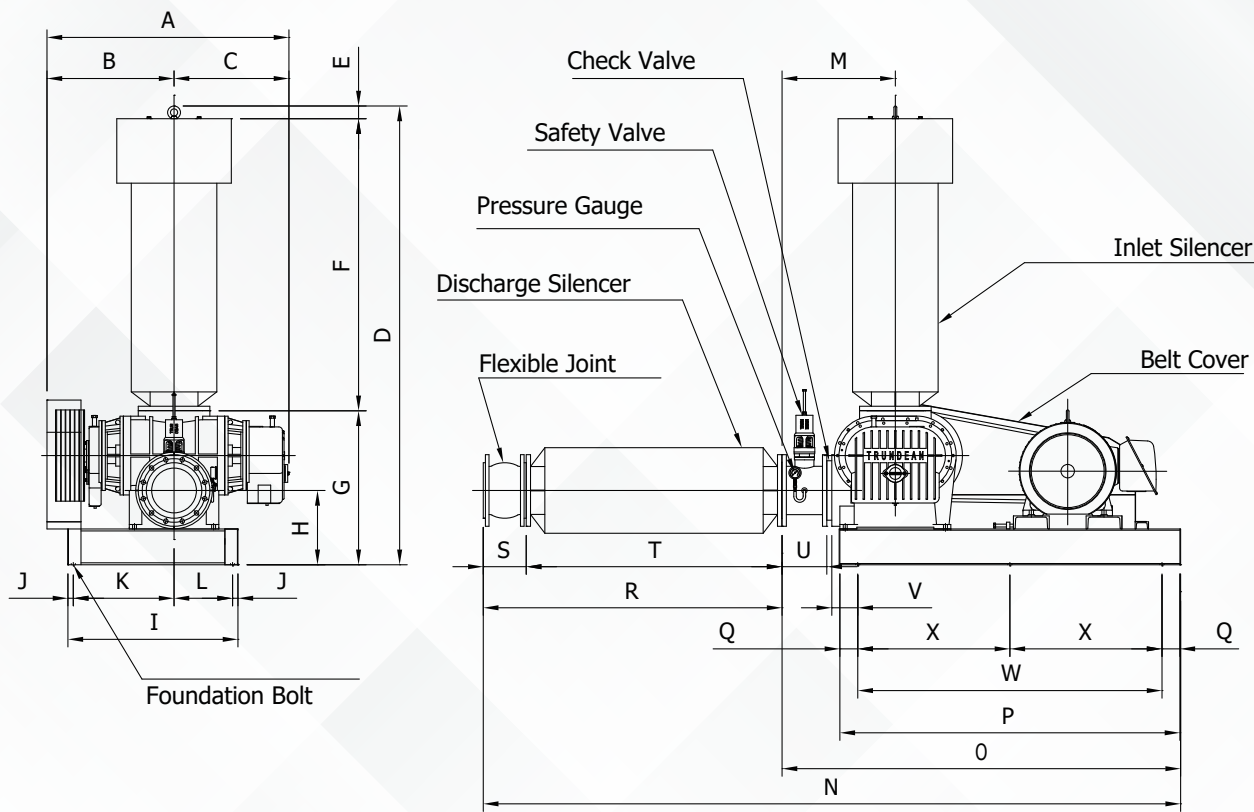


# MTH Type Dimension Drawing



50Hz

# MTH Type Roots Blower



Models	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	W1	W2
MTH-65	658	346	312	1174	51	781	342	175	470	18	328	106	326	1814	907	700	50	907	115	792	160	81	600	-	94	169
MTH-80	711	390	321	1248	51	782	415	183	470	18	247	187	380	2052	1130	900	100	922	130	792	185	129	700	-	151	234
MTH-100	807	435	372	1318	51	841	462	196	470	18	292	142	380	2062	1130	900	100	932	135	797	185	129	700	-	168	270
MTH-125	813	420	393	2022	60	1492	530	230	600	22	258	298	451	2945	1353	1100	100	1592	170	1422	200	138	900	-	290	464

W1 : Weight of main body only. (Kg)

W2 : Weight of main body and all accessories which include Inlet & Discharge Silencer, Base Plate, T-Joint, Safety Valve, Check Valve, Belt Cover and Flexible Joint, doesn't include motor. (Kg)



Inlet Silencer use stainless steel 304



## Motor Specification



High Efficient motor IE 2/IE 3  
Vertical cooling system  
With enclosed fan, insulation level  
Class F insulation  
Three phase IP55 power supply system



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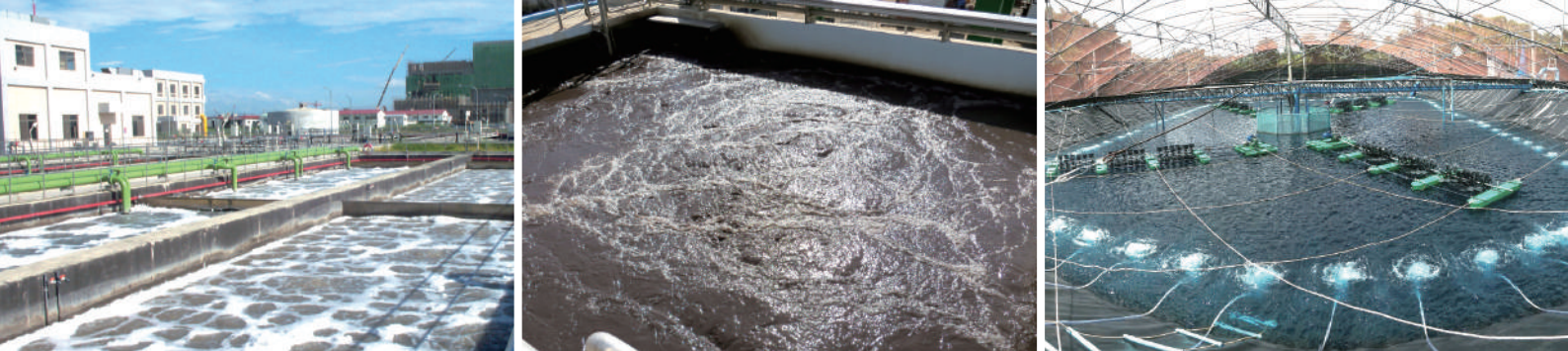
บริษัท แมกซ์ โฟลว์ อินดัสทรี จำกัด สำนักงานใหญ่



Distributor:

DMTH5-1912





### PRODUCT FEATURES

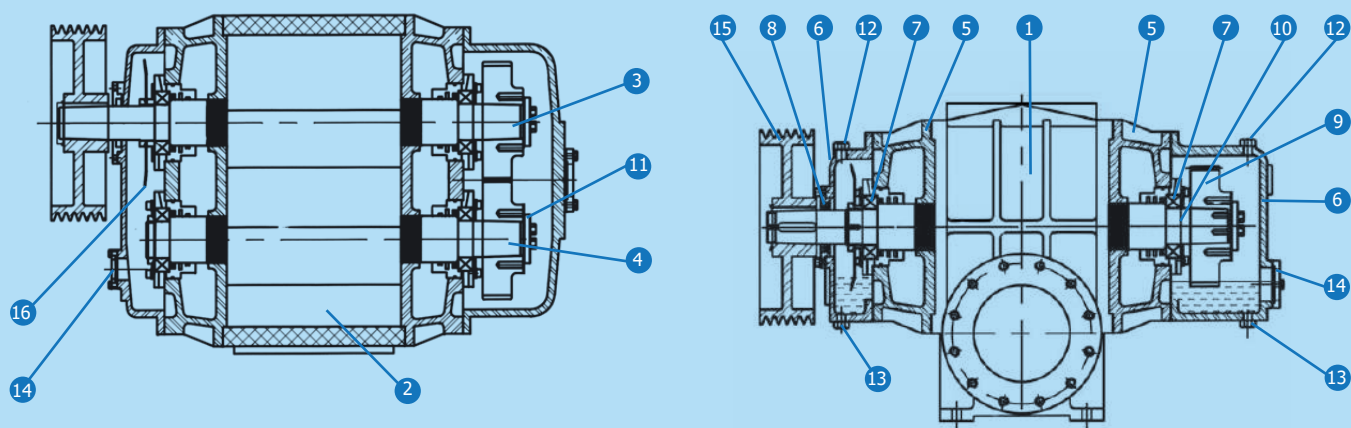
- Considerable range of air volume and pressure.
- Diameter : 40-300mm(1.5"-12")
- Air volume: 0.51-117.8 m<sup>3</sup>/min
- Completely Oil-free air
- The advantages of dynamic balance, are low vibration, and low noise.
- The air volume is constant, and pressure changes have little effect on the air volume.
- High-efficient special impeller design, Efficiency, and energy saving.
- In infrastructure are safe, durable and standardized.

### PRODUCT NOMENCLATURE

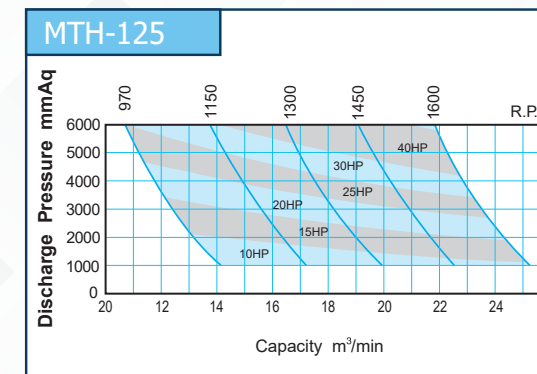
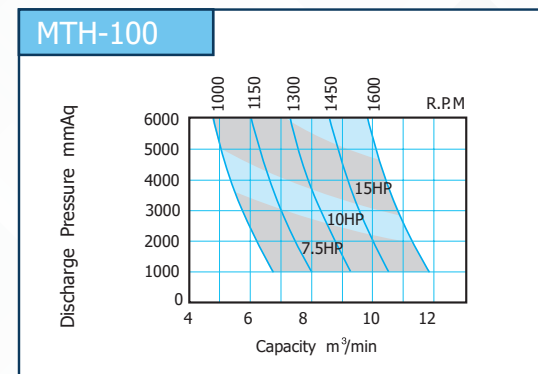
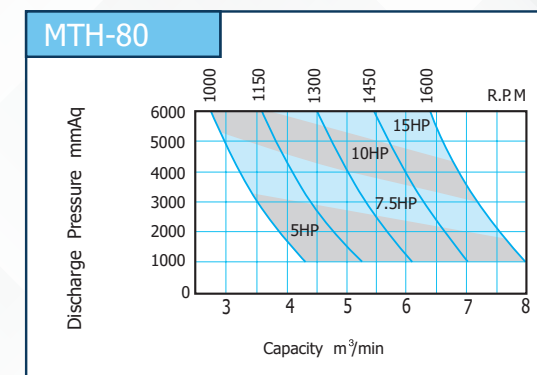
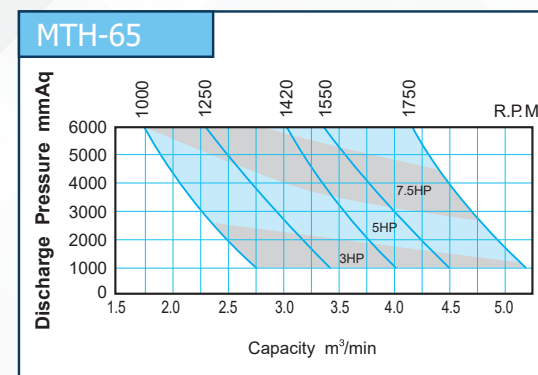
M TH — 80  
 type type diameter  
 (Fan)



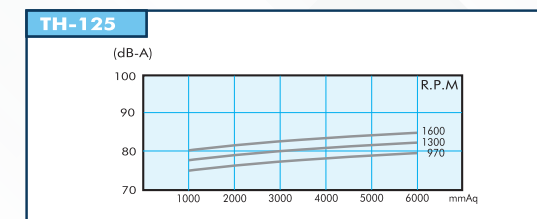
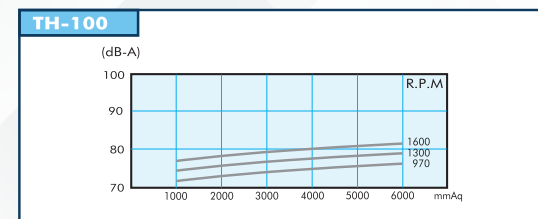
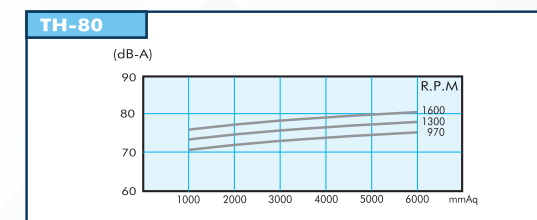
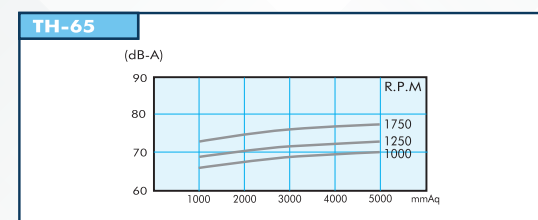
### MTH Type Structural Drawing



### MTH Type Performance Curve (Pressure Conveyance)



### TH Type Noise Level Curve



NO.	Name	Material	Q'ty	NO.	Name	Material	Q'ty
1	Main body	FC25	1	9	Gear	SNCM220	2
2	Rotor	FC25	2	10	"S"Ring	SK7	2
3	Drive Shaft	S45C	1	11	Washer	S45C	2
4	Driven Shaft	S45C	1	12	Lubrication Plug	PP	2
5	Bearing Base	FC25	2	13	Drain Plug	FCMB28	2
6	Oil Box	FC25	2	14	Oil Gauge	BRASS	2
7	Bearing	SUJ2	4	15	Pulley	FC20	1
8	Oil Seal	NBR	1	16	Oil Splasher	SS41	1

※ Could be manufactured by special material

### MTH Type Performance Table (Pressure Conveyance)

Models	Speed rpm	1000 mmAq		2000 mmAq		3000 mmAq		4000 mmAq		5000 mmAq		6000 mmAq	
		m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW
MTH-65	1000	2.76	1.2	2.48	1.9	2.27	2.5	2.06	3.1	1.85	3.7	1.75	4.3
	1250	3.41	1.5	3.14	2.2	2.93	2.9	2.72	3.6	2.51	4.3	2.31	5.0
	1420	4.03	1.7	3.76	2.5	3.55	3.3	3.34	4.2	3.23	5.0	3.03	5.8
	1550	4.48	1.8	4.23	2.7	4.00	3.6	3.79	4.5	3.58	5.4	3.37	6.3
	1750	5.17	2.1	4.89	3.1	4.68	4.1	4.47	5.1	4.26	6.1	4.16	7.1
MTH-80	1000	4.38	1.5	3.94	2.4	3.57	2.8	3.25	4.3	2.97	5.2	2.72	6.1
	1150	5.27	1.8	4.85	2.9	4.48	3.9	4.16	5.0	3.87	6.0	3.61	7.1
	1300	6.17	2.0	5.74	3.2	5.37	4.4	5.05	5.6	4.76	6.8	4.51	8.0
	1450	7.07	2.2	6.65	3.6	6.28	5.0	5.96	6.3	5.66	7.6	5.41	9.0
	1600	7.96	2.5	7.54	4.0	7.17	5.5	6.85	6.9	6.55	8.4	6.30	9.9
MTH-100	1000	6.72	2.3	6.22	3.5	5.72	4.8	5.38	6.1	5.04	7.4	4.80	8.7
	1150	8.00	2.8	7.42	4.2	7.02	5.5	6.58	7.2	6.34	8.5	6.14	10.0
	1300	9.26	3.0	8.71	4.6	8.26	6.3	7.89	8.0	7.57	9.7	7.31	11.4
	1450	10.50	3.4	9.96	5.2	9.51	7.0	9.14	9.0	8.82	10.8	8.57	12.7
	1600	11.8	3.7	11.2	5.7	10.8	7.8	10.4	9.9	10.1	12.0	9.82	14.1
MTH-125	970	11.0	3.4	10.2	5.7	9.5	7.9	8.9	10.2	8.5	12.5	8.0	14.8
	1150	13.5	4.0	12.7	6.7	12.1	9.4	11.5	12.1	11.0	14.8	10.6	17.5
	1300	15.6	4.5	14.8	7.6	14.2	10.6	13.6	13.6	13.1	16.7	12.7	19.8
	1450	17.7	5.0	16.9	8.5	16.2	11.8	15.6	15.2	15.2	18.7	14.7	22.1
	1600	19.8	5.5	19.0	9.3	18.3	13.0	17.7	16.8	17.3	20.6	16.8	24.4

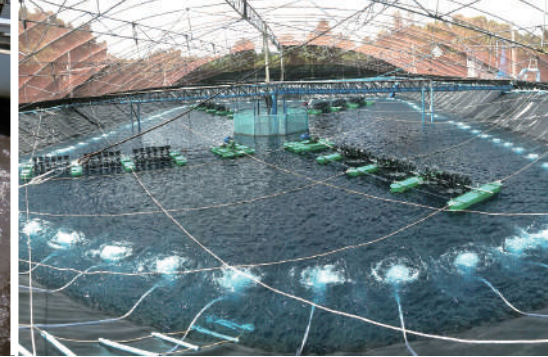
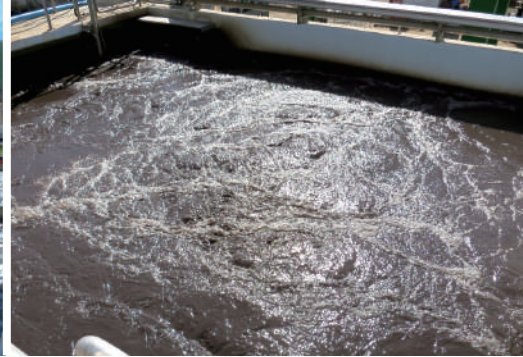




50Hz

# MTH Type Roots Blower





## PRODUCT FEATURES

└ Considerable range of air volume and pressure.

Diameter : 40-300mm(1.5"-12")

Air volume: 0.51-117.8 m<sup>3</sup>/min

└ Completely Oil-free air

└ The advantages of dynamic balance, are low vibration, and low noise.

└ The air volume is constant, and pressure changes have little effect on the air volume.

└ High-efficient special impeller design, Efficiency, and energy saving.

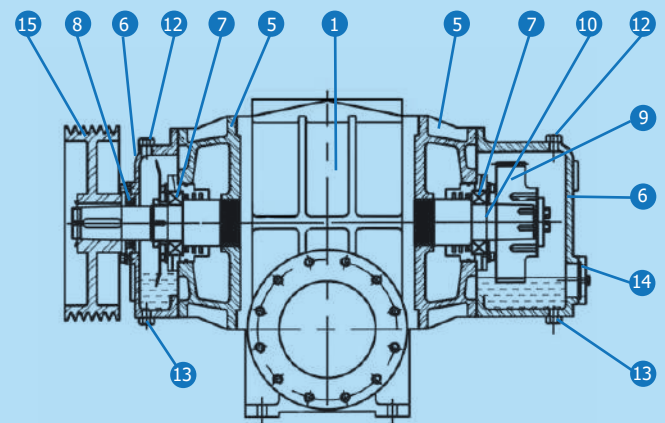
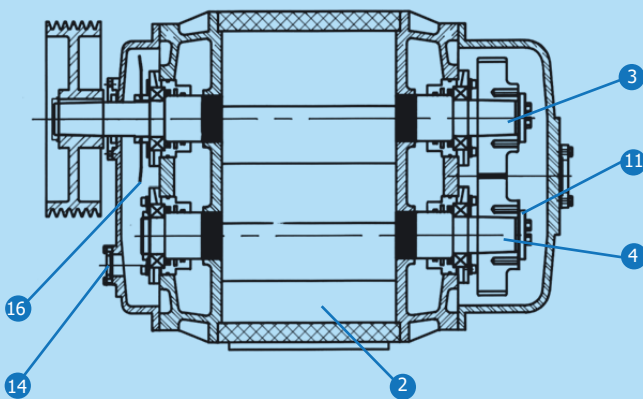
└ In infrastructure are safe, durable and standardized.

## PRODUCT NOMENCLATURE

M      TH      —      80  
 type    type    diameter  
 (Fan)



## MTH Type Structural Drawing

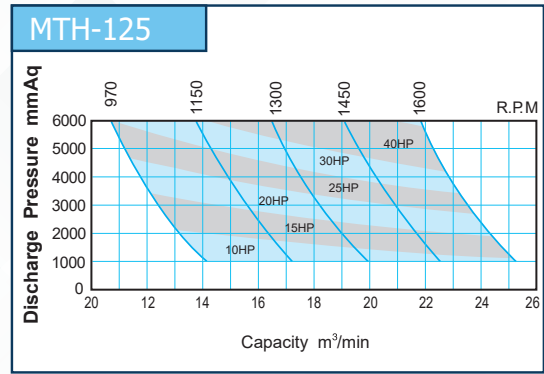
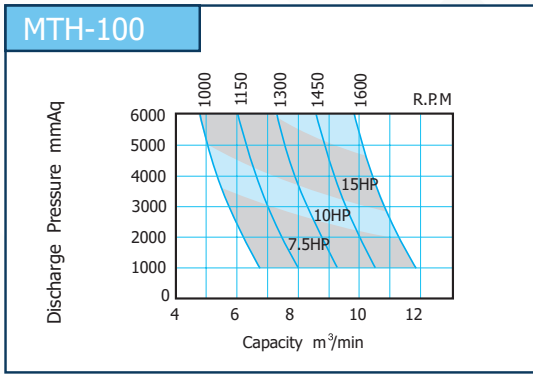
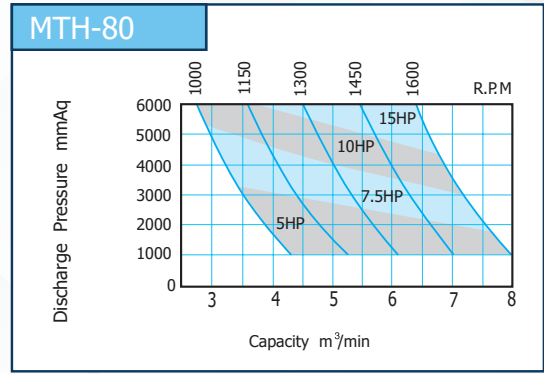
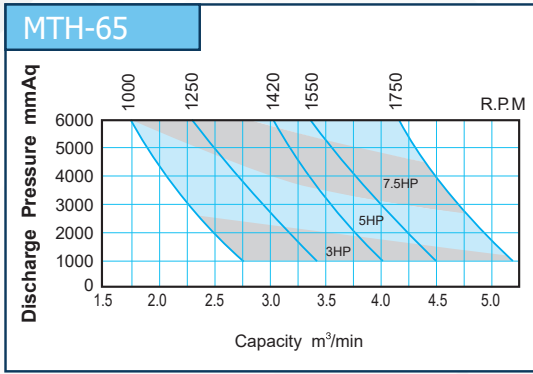


NO.	Name	Material	Q'ty	NO.	Name	Material	Q'ty
1	Main body	FC25	1	9	Gear	SNM220	2
2	Rotor	FC25	2	10	"S"Ring	SK7	2
3	Drive Shaft	S45C	1	11	Washer	S45C	2
4	Driven Shaft	S45C	1	12	Lubrication Plug	PP	2
5	Bearing Base	FC25	2	13	Drain Plug	FCMB28	2
6	Oil Box	FC25	2	14	Oil Gauge	BRASS	2
7	Bearing	SUJ2	4	15	Pulley	FC20	1
8	Oil Seal	NBR	1	16	Oil Splasher	SS41	1

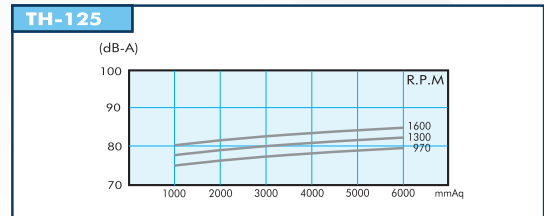
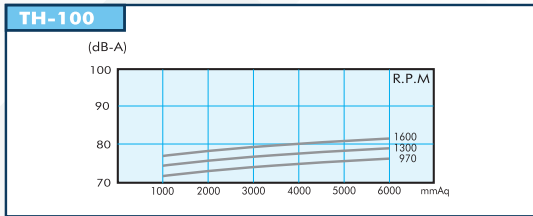
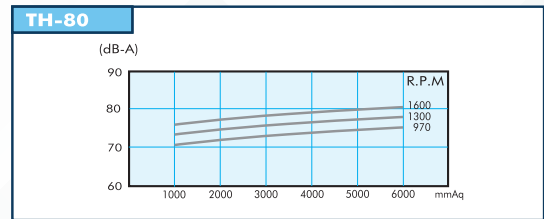
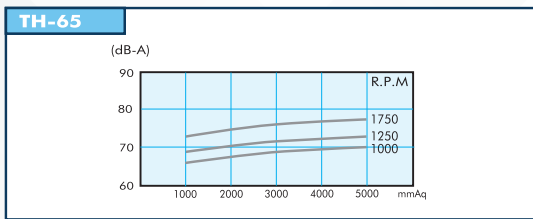
※ Could be manufactured by special material



# MTH Type Performance Curve (Pressure Conveyance)



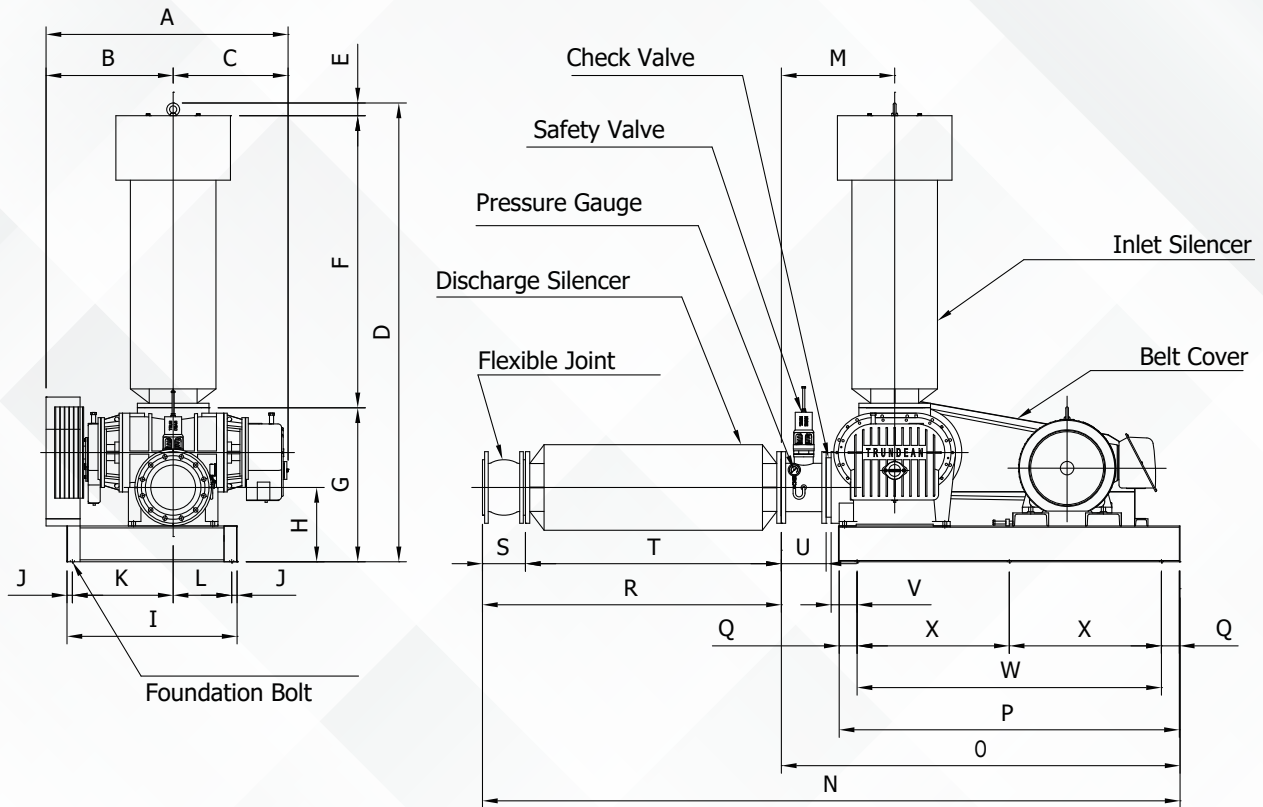
# TH Type Noise Level Curve



# MTH Type Performance Table (Pressure Conveyance)

Models	Speed rpm	1000 mmAq		2000 mmAq		3000 mmAq		4000 mmAq		5000 mmAq		6000 mmAq	
		m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW	m <sup>3</sup> /min	kW
MTH-65	1000	2.76	1.2	2.48	1.9	2.27	2.5	2.06	3.1	1.85	3.7	1.75	4.3
	1250	3.41	1.5	3.14	2.2	2.93	2.9	2.72	3.6	2.51	4.3	2.31	5.0
	1420	4.03	1.7	3.76	2.5	3.55	3.3	3.34	4.2	3.23	5.0	3.03	5.8
	1550	4.48	1.8	4.23	2.7	4.00	3.6	3.79	4.5	3.58	5.4	3.37	6.3
	1750	5.17	2.1	4.89	3.1	4.68	4.1	4.47	5.1	4.26	6.1	4.16	7.1
MTH-80	1000	4.38	1.5	3.94	2.4	3.57	2.8	3.25	4.3	2.97	5.2	2.72	6.1
	1150	5.27	1.8	4.85	2.9	4.48	3.9	4.16	5.0	3.87	6.0	3.61	7.1
	1300	6.17	2.0	5.74	3.2	5.37	4.4	5.05	5.6	4.76	6.8	4.51	8.0
	1450	7.07	2.2	6.65	3.6	6.28	5.0	5.96	6.3	5.66	7.6	5.41	9.0
	1600	7.96	2.5	7.54	4.0	7.17	5.5	6.85	6.9	6.55	8.4	6.30	9.9
MTH-100	1000	6.72	2.3	6.22	3.5	5.72	4.8	5.38	6.1	5.04	7.4	4.80	8.7
	1150	8.00	2.8	7.42	4.2	7.02	5.5	6.58	7.2	6.34	8.5	6.14	10.0
	1300	9.26	3.0	8.71	4.6	8.26	6.3	7.89	8.0	7.57	9.7	7.31	11.4
	1450	10.50	3.4	9.96	5.2	9.51	7.0	9.14	9.0	8.82	10.8	8.57	12.7
	1600	11.8	3.7	11.2	5.7	10.8	7.8	10.4	9.9	10.1	12.0	9.82	14.1
MTH-125	970	11.0	3.4	10.2	5.7	9.5	7.9	8.9	10.2	8.5	12.5	8.0	14.8
	1150	13.5	4.0	12.7	6.7	12.1	9.4	11.5	12.1	11.0	14.8	10.6	17.5
	1300	15.6	4.5	14.8	7.6	14.2	10.6	13.6	13.6	13.1	16.7	12.7	19.8
	1450	17.7	5.0	16.9	8.5	16.2	11.8	15.6	15.2	15.2	18.7	14.7	22.1
	1600	19.8	5.5	19.0	9.3	18.3	13.0	17.7	16.8	17.3	20.6	16.8	24.4

# MTH Type Dimension Drawing



Models	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	W1	W2
MTH-65	658	346	312	1174	51	781	342	175	470	18	328	106	326	1814	907	700	50	907	115	792	160	81	600	-	94	169
MTH-80	711	390	321	1248	51	782	415	183	470	18	247	187	380	2052	1130	900	100	922	130	792	185	129	700	-	151	234
MTH-100	807	435	372	1318	51	841	462	196	470	18	292	142	380	2062	1130	900	100	932	135	797	185	129	700	-	168	270
MTH-125	813	420	393	2022	60	1492	530	230	600	22	258	298	451	2945	1353	1100	100	1592	170	1422	200	138	900	-	290	464

W1 : Weight of main body only. (Kg)

W2 : Weight of main body and all accessories which include Inlet & Discharge Silencer, Base Plate, T-Joint, Safety Valve, Check Valve, Belt Cover and Flexible Joint, doesn't include motor. (Kg)

**Inlet Silencer use stainless steel 304**



## Motor Specification



**High Efficient motor IE 2/IE 3**  
**Vertical cooling system**  
**With enclosed fan, insulation level**  
**Class F insulation**  
**Three phase IP55 power supply system**



**MAX FLOW INDUSTRY CO., LTD.**

บริษัท แมกซ์ โฟลว์ อินดัสทรี จำกัด สำนักงานใหญ่



Distributor:

DMTHTH5-1912