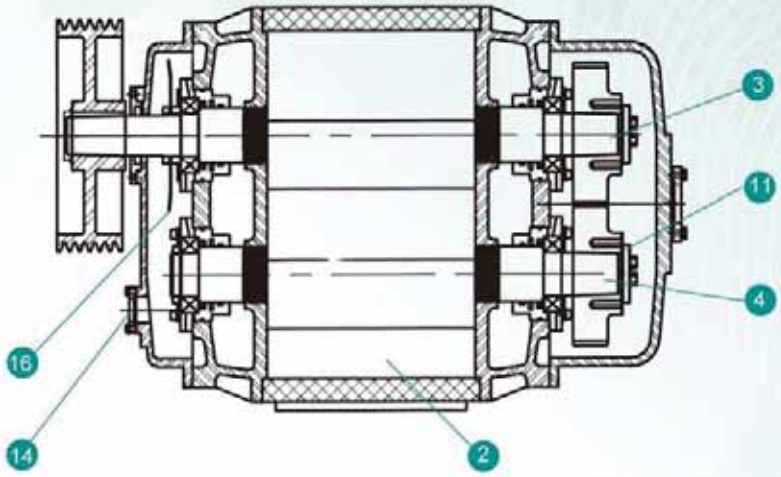
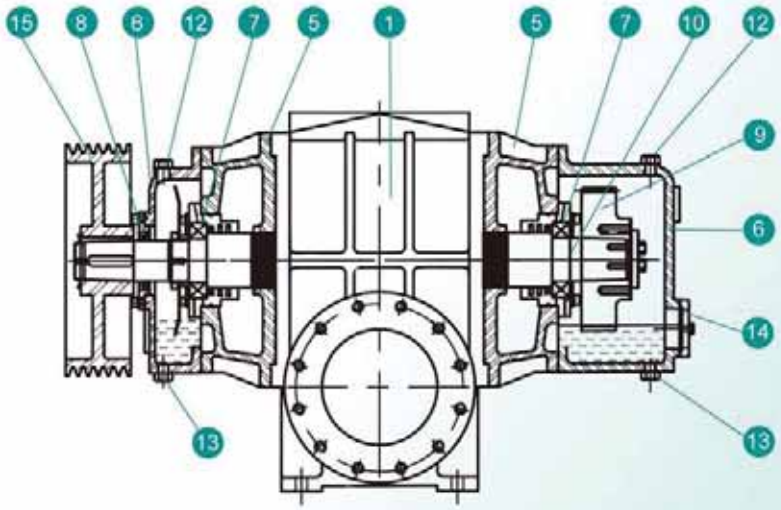
TRUNDEAN CE

TH Type Structural Drawing



TH Type (Pressure Conveyance)
Pressure: 0~6000 mmAq
Power: 1~300 HP



NO.	Name	Material	Q'ty	NO.	Name	Material	NO.
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	Lubriction 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

TRUNDEAN CE

TH Type Performance Table (Pressure Conveyance)

Models	Speed R.P.M	1000 mmAq		2000 mmAq		3000 mmAq		4000 mmAq		5000 mmAq		6000 mmAq	
		m^3/min	kw	m^3/min	kw	m^3/min	kw	m^3/min	kw	m^3/min	kw	m^3/min	kw
TH-40	1750	0.60	0.26	0.56	0.39	0.54	0.53	0.51	0.66				
	2000	0.71	0.30	0.68	0.45	0.65	0.60	0.62	0.75				
	2300	0.84	0.34	0.81	0.51	0.78	0.69	0.75	0.86				
	2600	0.97	0.38	0.84	0.57	0.91	0.78	0.88	0.97				
TH-50	1000	1.33	0.72	1.18	1.07	1.04	1.45	0.90	1.81	0.77	2.15	0.64	2.44
	1250	1.86	0.91	1.71	1.35	1.57	1.82	1.43	2.27	1.31	2.69	1.18	3.06
	1450	2.29	1.05	2.14	1.56	2.00	2.10	1.86	2.62	1.74	3.11	1.61	3.53
	1560	2.53	1.13	2.38	1.68	2.24	2.26	2.10	2.82	1.97	3.35	1.84	3.80
	1750	2.94	1.27	2.78	1.88	2.65	2.54	2.51	3.17	2.38	3.75	2.25	4.27
TH-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
TH-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
TH-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
TH-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
TH-125A	970	14.1	4.2	13.1	7.1	12.4	9.9	11.7	13.0	11.2	15.7	10.7	18.5
	1150	17.2	5.0	16.3	8.4	15.6	11.8	14.8	15.4	14.4	18.6	13.8	22.0
	1300	19.9	5.7	18.9	9.5	18.2	13.3	17.5	17.4	17.0	21.0	16.5	24.8
	1450	22.5	6.3	21.6	10.6	20.9	14.8	20.2	19.4	19.6	23.4	19.1	27.7
	1600	25.2	7.0	24.2	11.7	23.5	16.4	22.8	21.4	22.3	25.9	21.8	30.6
TH-150	970	16.8	4.9	15.7	8.4	14.9	11.8	14.2	15.2	13.5	18.6	12.9	22.0
	1150	20.6	5.8	19.5	9.9	18.6	14.0	17.9	18.0	17.3	22.1	16.7	26.1
	1300	23.7	6.6	22.6	11.2	21.8	15.8	21.1	20.4	20.4	25.0	19.9	29.5
	1450	26.9	7.4	25.8	12.5	24.9	17.6	24.2	22.7	23.6	27.9	23.0	33.0
	1600	30.0	8.1	28.9	13.8	28.1	19.4	27.4	25.1	26.7	30.7	26.1	36.4
TH-150A	850	20.7	6.1	19.5	10.2	18.3	14.3	17.5	18.4	16.7	22.6	16.1	26.7
	1000	25.0	7.1	23.7	12.0	22.6	16.9	21.7	21.7	20.9	26.6	20.3	31.4
	1150	29.3	8.2	27.9	13.8	26.9	17.7	25.9	22.8	25.2	30.6	24.5	36.1
	1250	32.2	8.9	30.8	15.0	29.7	21.1	28.8	27.2	28.0	33.3	27.3	39.3
	1400	36.4	10.0	35.0	16.9	34.0	23.6	33.0	30.4	32.3	37.3	31.6	44.0
TH-200	730	24.6	6.7	23.8	11.2	23.2	15.9	22.7	20.5	22.1	25.1	21.7	29.7
	850	28.6	7.8	27.7	13.1	27.0	18.5	26.4	24.0	25.6	29.2	25.3	34.6
	950	32.0	8.7	31.0	14.6	30.2	20.7	29.5	26.7	28.8	32.6	28.3	38.7
	1050	35.3	9.6	34.3	16.2	33.3	22.8	32.6	29.5	31.8	36.1	31.3	42.7
	1150	38.7	10.5	37.5	17.7	36.5	25.0	35.7	32.3	34.9	39.5	34.2	46.8
	1250	42.1	11.4	40.8	19.3	44.7	27.2	38.8	35.1	38.0	43.0	37.2	50.9
TH-250	730	38.6	9.7	37.5	16.6	36.6	23.7	35.9	30.8	35.2	37.9	34.5	44.8
	850	44.9	11.2	43.7	19.4	42.6	27.6	41.8	35.8	40.9	44.1	40.2	52.2
	950	50.1	12.6	48.8	21.6	47.7	30.8	46.7	40.1	45.8	49.3	44.9	58.3
	1050	55.4	13.9	54.0	23.9	52.7	34.1	51.6	44.3	50.6	54.5	49.7	64.5
	1150	60.7	15.2	59.1	26.2	57.7	37.3	56.5	48.5	55.4	59.7	54.4	70.6
	1250	65.9	16.6	64.3	28.5	62.8	40.6	61.4	52.8	60.3	64.9	59.2	76.8
TH-300	730	52.8	15.7	50.8	27.4	49.2	39.1	47.8	50.8	46.5	62.5	45.4	74.8
	800	58.4	17.1	56.4	29.9	54.8	42.6	53.4	55.4	52.0	68.1	50.9	81.6
	880	64.8	18.8	62.8	32.8	61.1	46.7	59.7	60.7	58.3	74.6	57.2	89.4
	980	72.9	20.7	70.9	36.2	69.2	51.4	67.8	66.9	66.4	82.3	65.2	98.6
	1080	81.1	22.9	79.1	39.9	77.4	56.7	76.0	73.8	74.6	90.8	73.4	108.7
	1180	89.3	25.0	87.3	43.6	85.6	62.0	84.1	80.6	82.7	99.2	81.6	118.7
TH-300A	650	74.8	21.9	72.2	39.1	69.9	55.2	68.1	72.5	66.3	89.7	64.8	97.8
	730	85.2	24.2	82.6	43.7	80.4	62.1	78.6	80.5	76.9	100.0	75.3	118.5
	800	94.4	26.5	91.8	47.2	89.7	67.9	87.8	88.6	86.1	109.3	84.5	130.0
	880	105.3	29.9	102.6	51.8	100.3	74.8	98.4	97.8	96.6	120.8	95.1	143.8
	980	117.8	33.4	115.5	58.7	113.4	82.8	109.6	109.3	108.9	134.6	108.1	159.9

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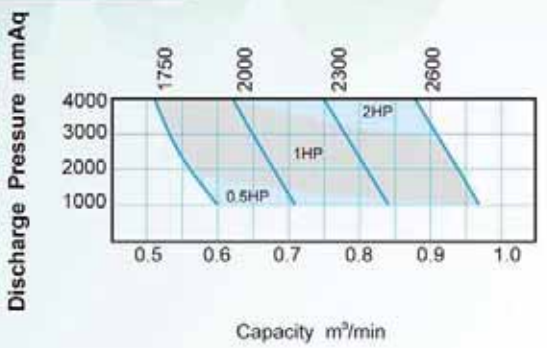
TH Type Performance Curve (Pressure Conveyance)

TH-40



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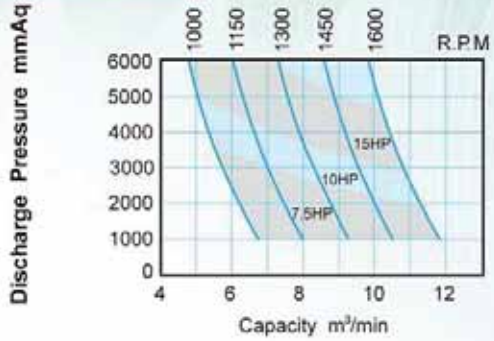

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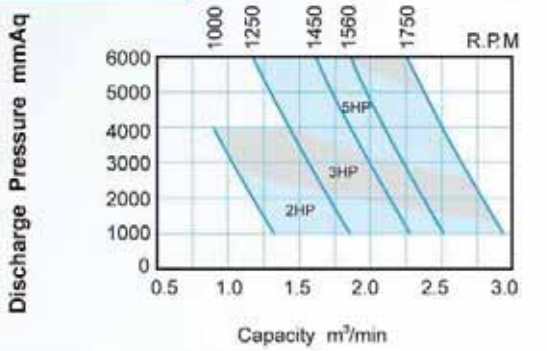
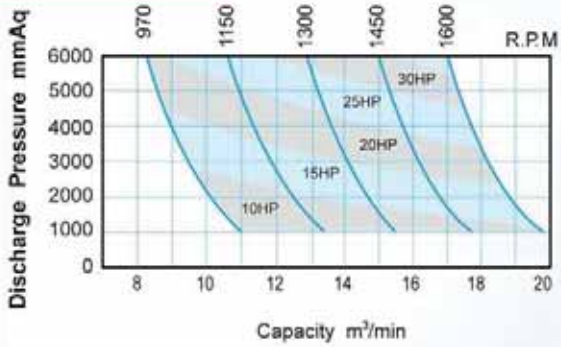
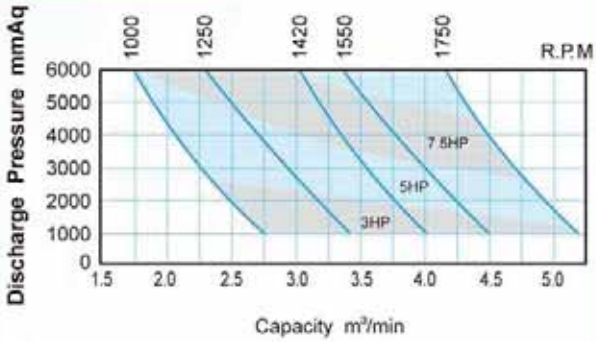


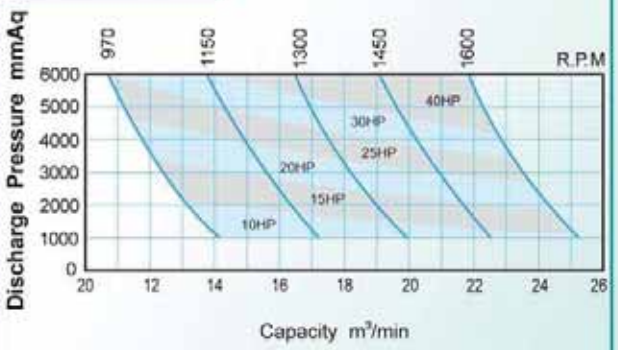
TH-125



TH-65



TH-125A



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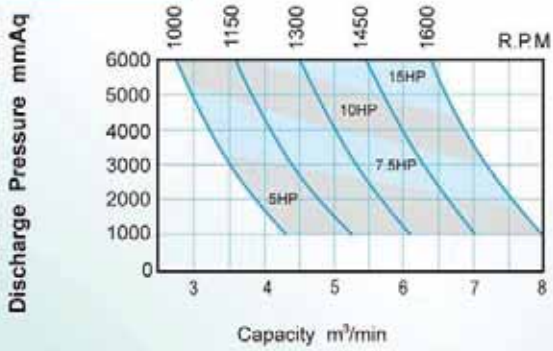

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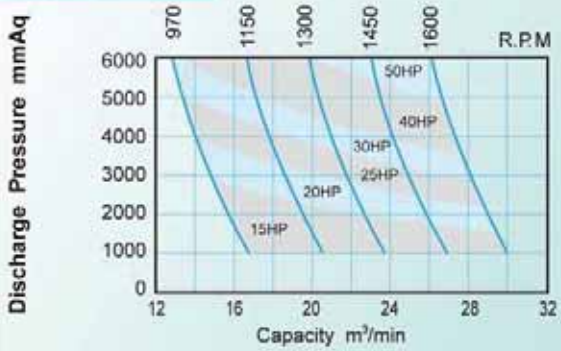
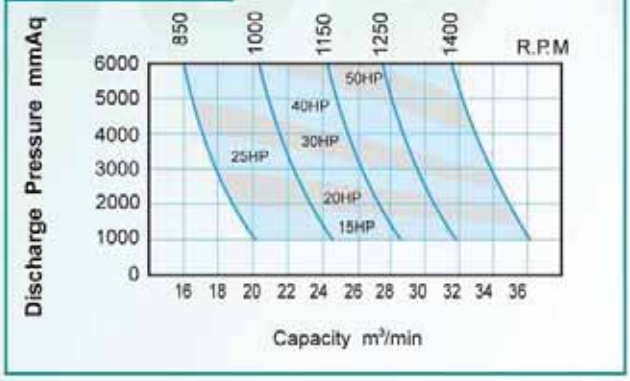


TRUNDEAN CE

TH Type Performance Curve (Pressure Conveyance)

TH-150A



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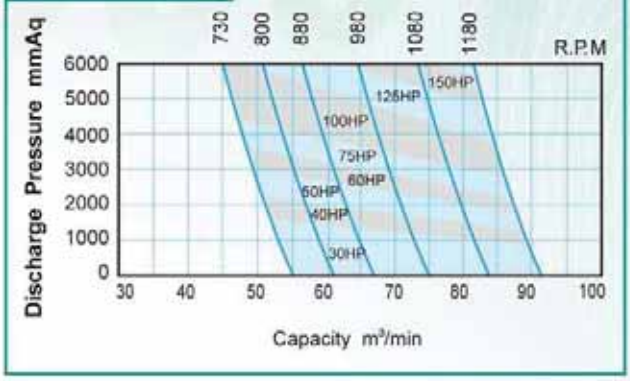

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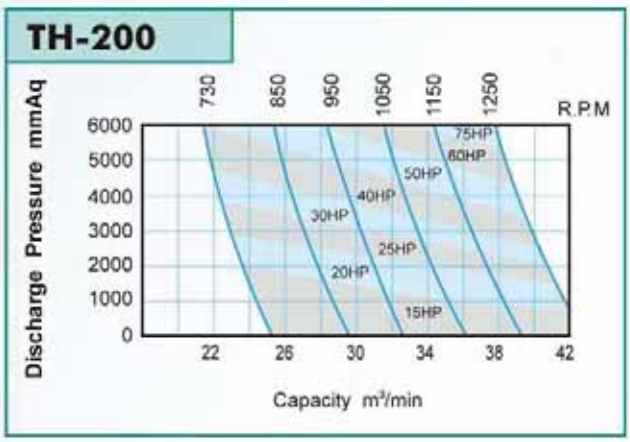

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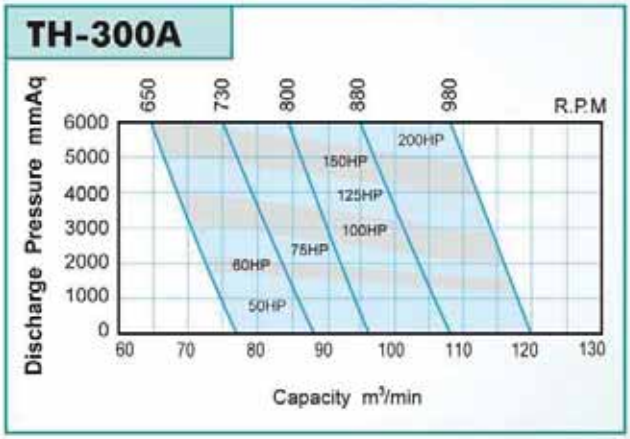

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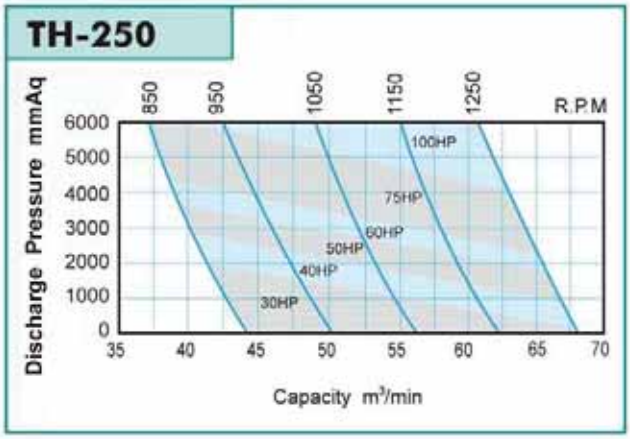
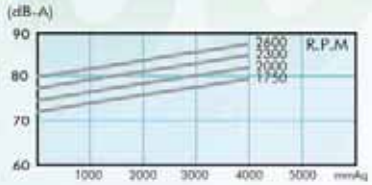


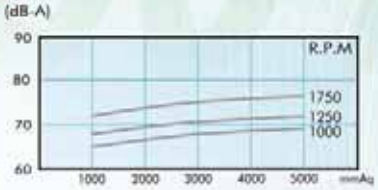
TRUNDEAN CE

TH Type Noise Level Curve

TH-40



TH-50



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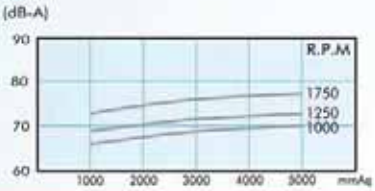
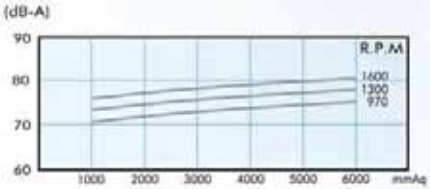


TH-80



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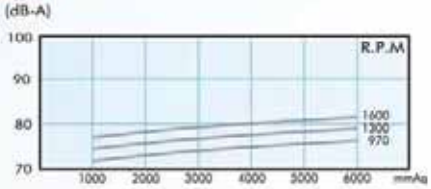
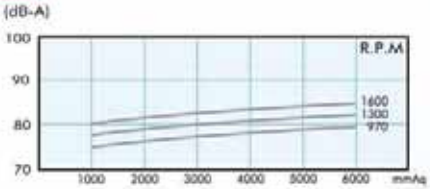
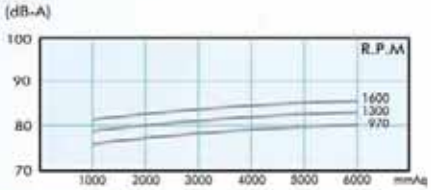


TH-125



TH-125A



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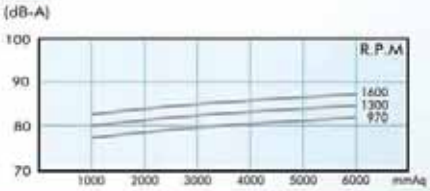

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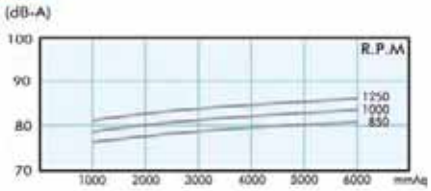
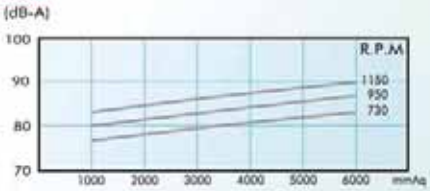


TH-200



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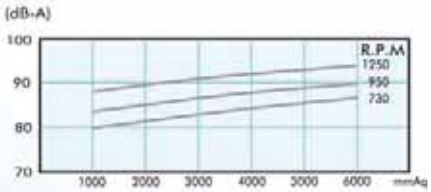
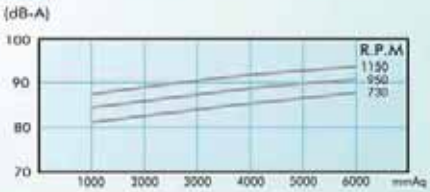
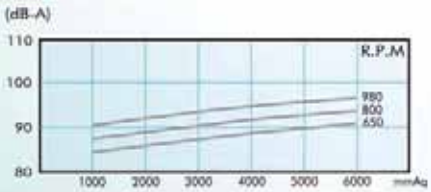


TH-300



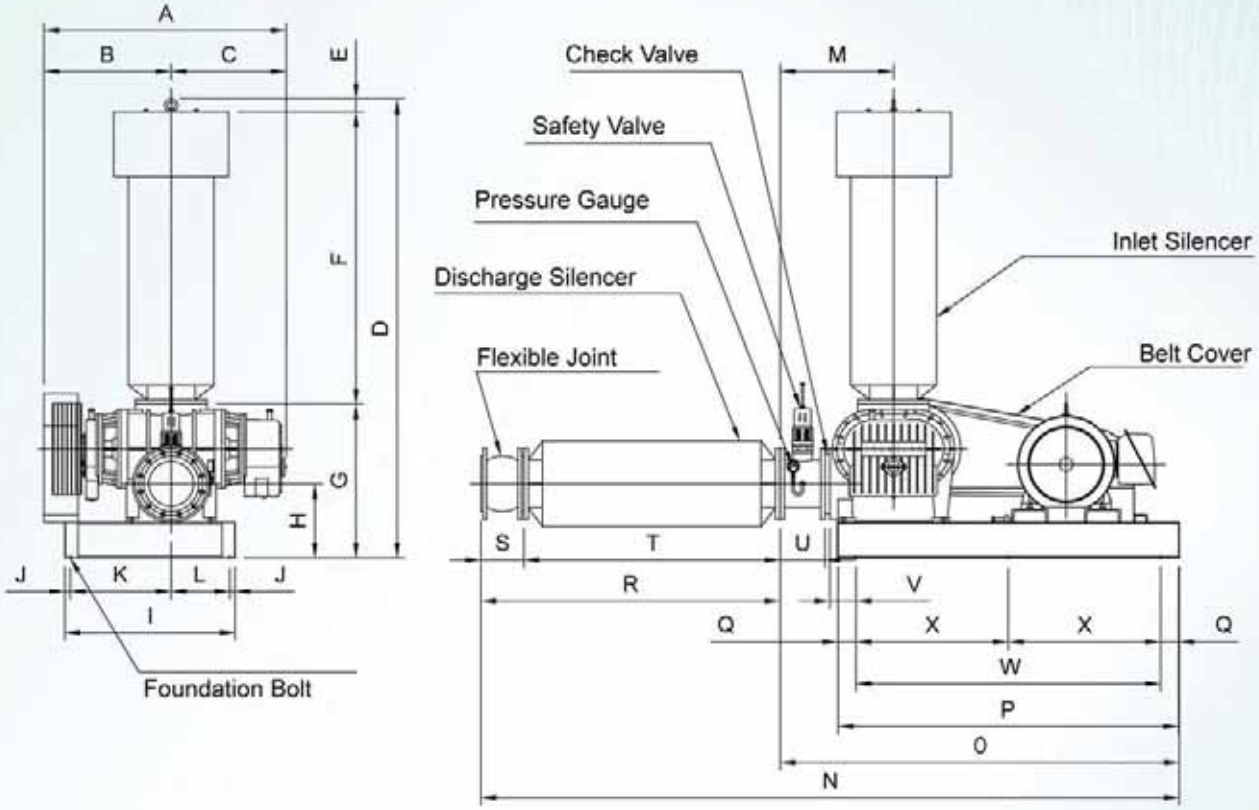
TH-300A



- Noise Level measured at a distance of 1 meter for the blower fitted with a standard silencer.
- Noise level may be different according to the extent pipe length and environmental conditions.

All of TRUNDEAN's products have been improved which reduce more noise level.

TH 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
TH-40	349	195	154	820	51		260	185	330	18	177	117	304	709		500	50			123	86		400		30	61
TH-50	565	303	262	1134	51	741	342	175	470	18	285	149	326	1804	911	700	50	893	105	788	160	81	600		76	137
TH-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
TH-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
TH-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
TH-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
TH-125A	893	460	433	2082	60	1492	530	230	600	22	298	258	451	2945	1353	1100	100	1592	170	1422	200	138	900		311	486
TH-150	991	503	488	2097	60	1492	545	245	600	22	340	216	451	2959	1353	1100	100	1606	180	1426	200	138	900		352	539
TH-150A	1066	555	511	2180	60	1492	628	275	600	25	395	155	511	3277	1671	1400	100	1606	180	1426	200	155	1400		580	777
TH-200	1171	624	547	2563	71	1632	860	380	950	30	477	413	583	3808	2177	1900	100	1631	205	1426	200	145		850	812	1226
TH-250	1352	710	642	2563	71	1632	860	415	950	30	563	327	633	3897	2227	1900	100	1670	240	1430	250	145		850	941	1407
TH-300	1531	797	734	2618	71	1632	915	433	950	30	590	300	687	3971	2281	1900	100	1690	260	1430	300	145		850	1026	1593
TH-300A	1402	747	655	2698	71	1632	995	435	1300	30	721	519	782	4279	2589	2200	150	1690	260	1430	300	208	1900		1575	2181

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)