

# MTD Series

MIXED FLOW IN-LINE DUCT FAN



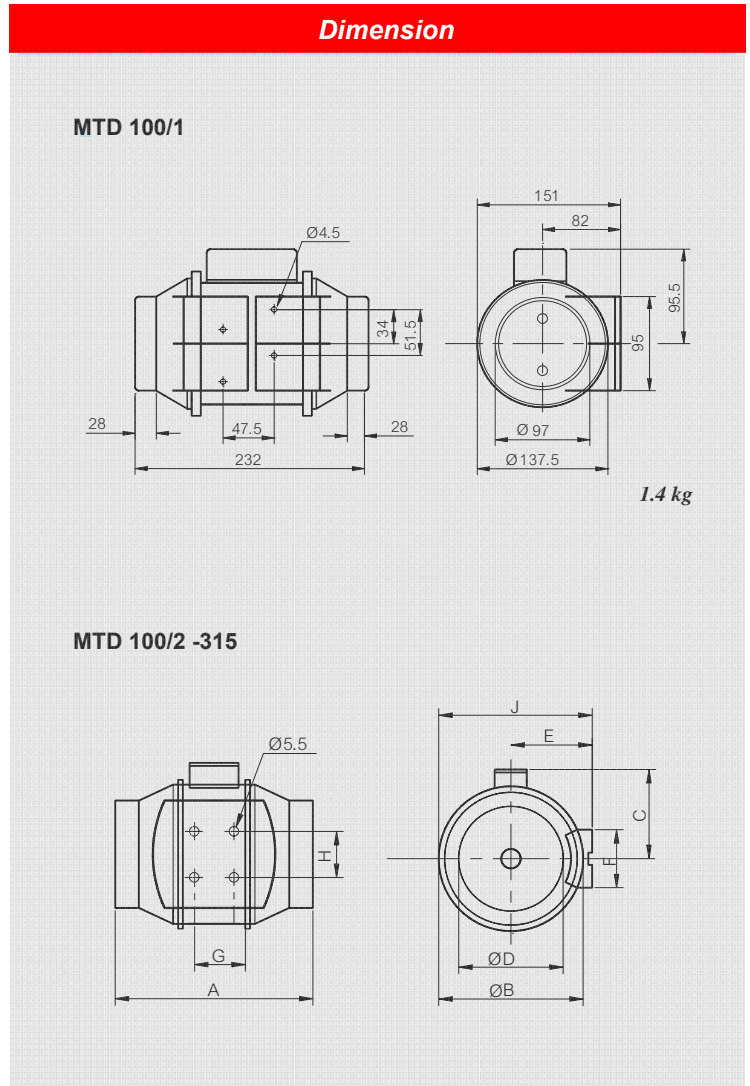
# Mixed Flow In-Line Duct Fan – MTD Series

KRUGER

- Specifically designed for direct connection with industrial circular ducting of standard diameter.
- Incorporate a powerful motor which is factory matched to a mixed flow impeller.
- Delivers high airflow performance with minimum noise generation and high static pressure typically found in ducted ventilation systems.
- Model 200 and below are manufactured in tough reinforced plastic, while models 250 & 315 in steel casing. All models are finished in tough epoxy-polyester paint coating.
- Impeller blades of model 200 & below are moulded in tough ABS plastic, models 250 & 315 are constructed from pressed galvanised sheet steel.
- Easy installation and maintenance - support brackets allow the motor and impeller assembly to be fitted or removed without dismantling the adjacent ducting.
- Fitted with direct connection two speed motors as standard with thermal overload protection. All motors are suitable for speed control regulation using electronic or auto-transformer.
- Max. operating temperature +40 °C.

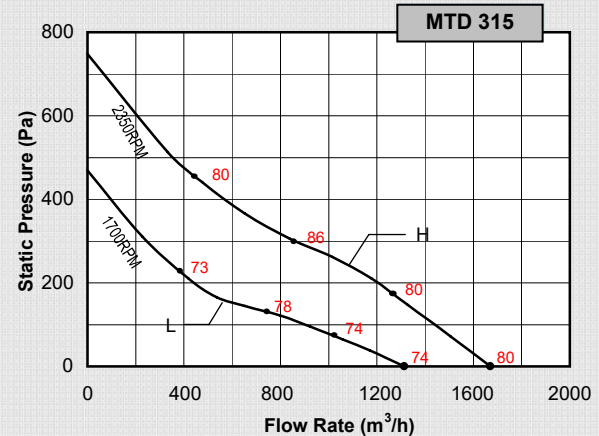
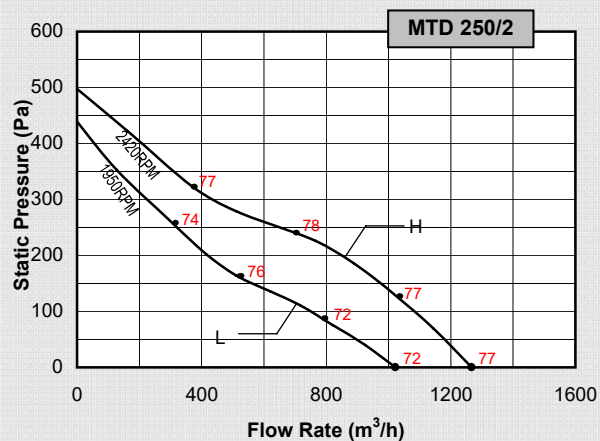
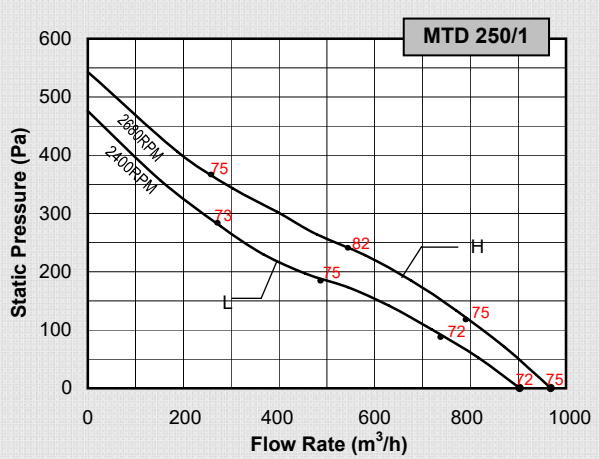
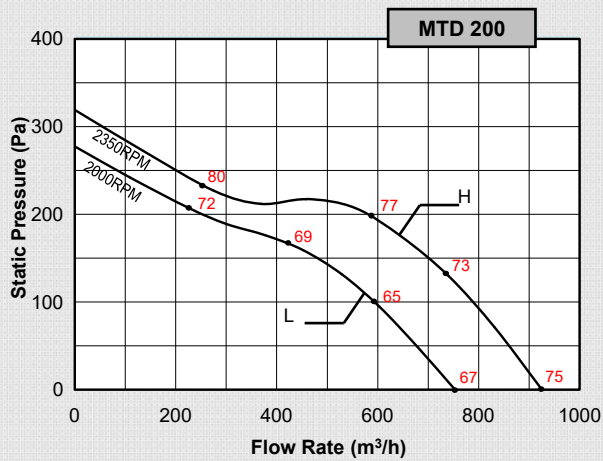
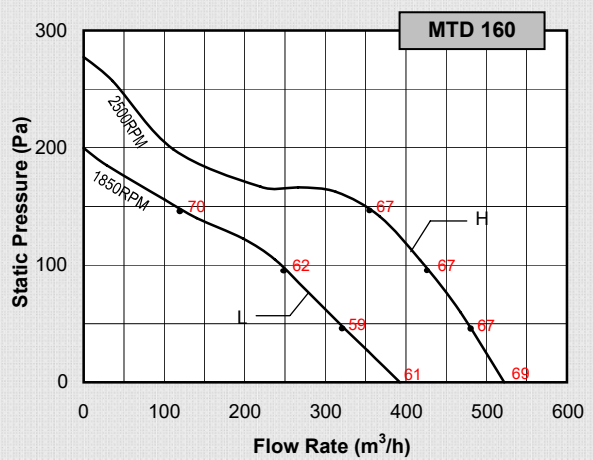
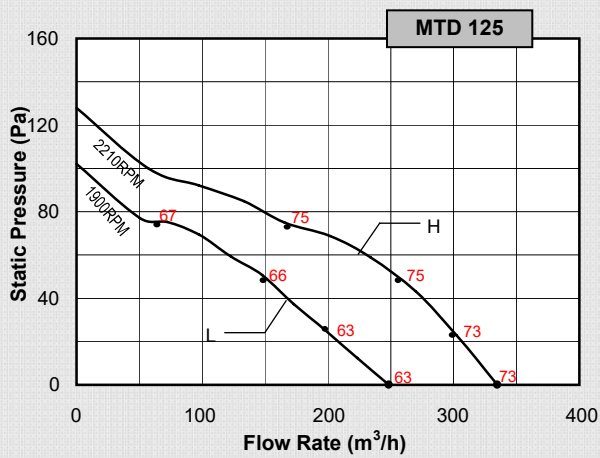
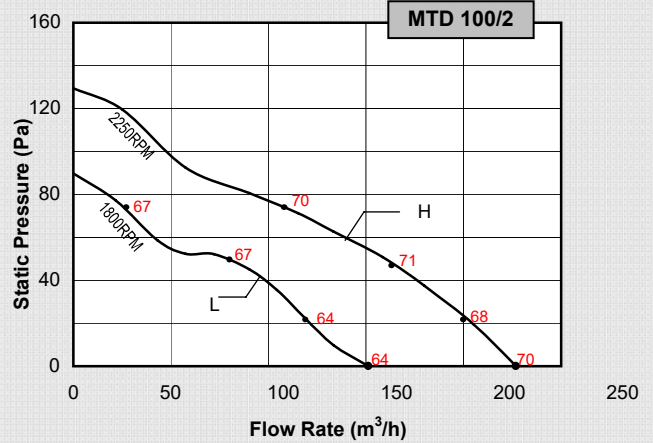
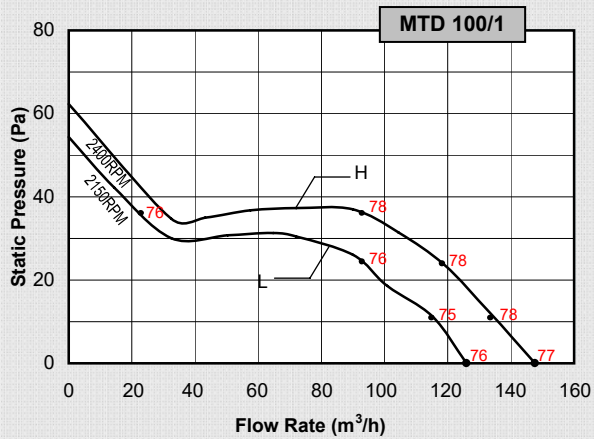


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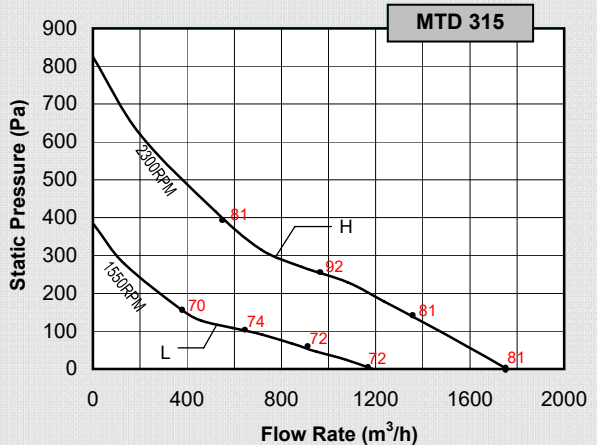
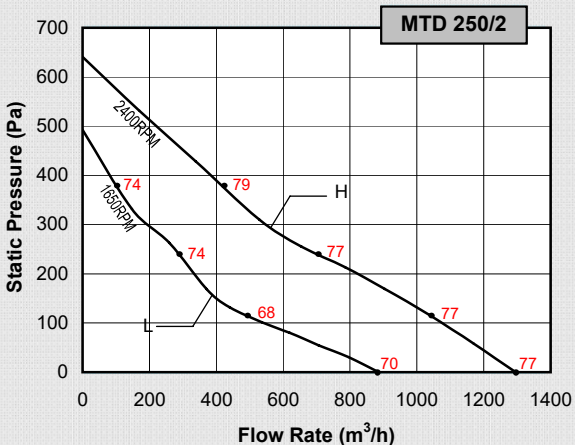
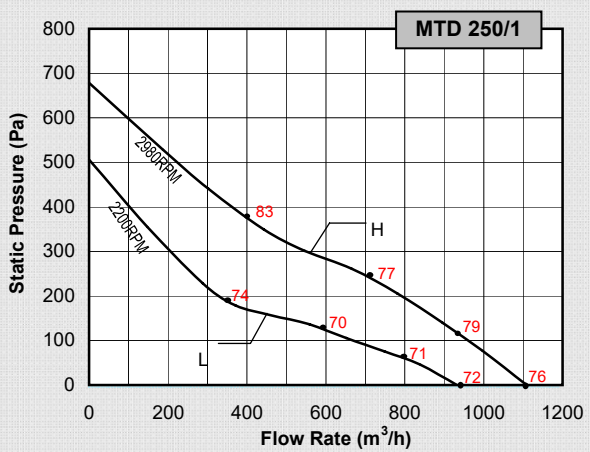
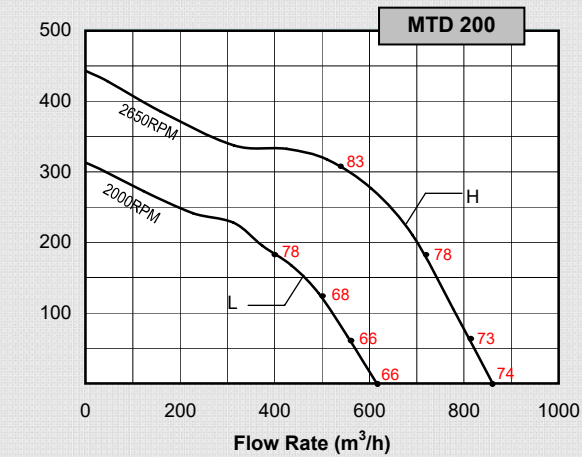
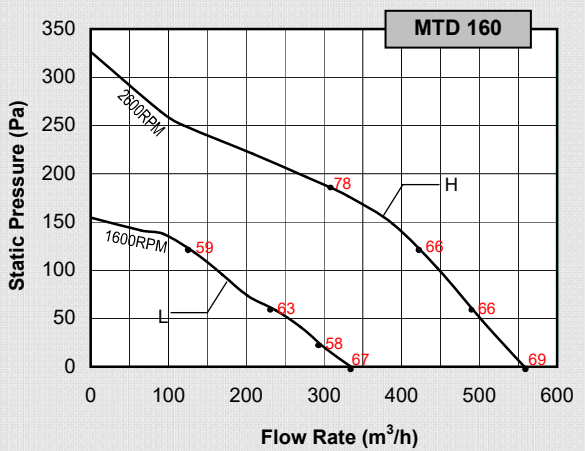
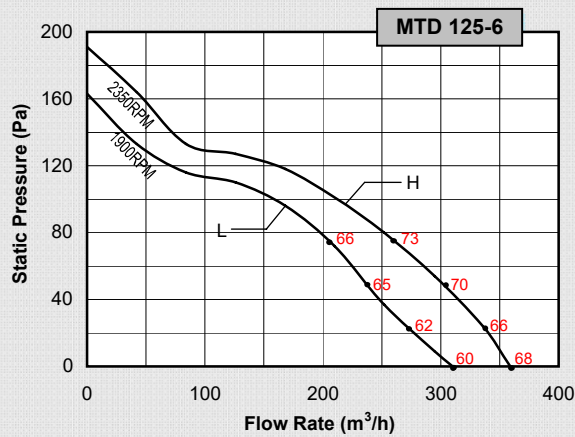
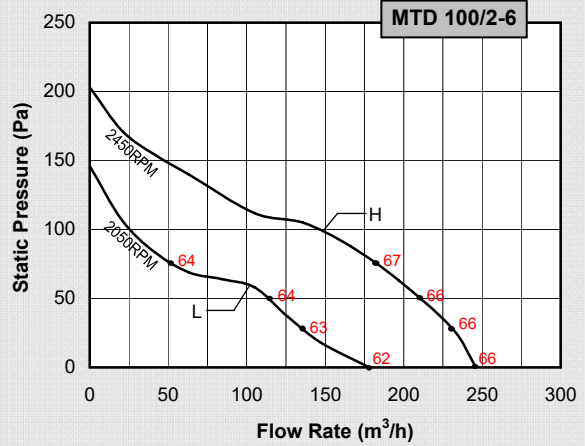
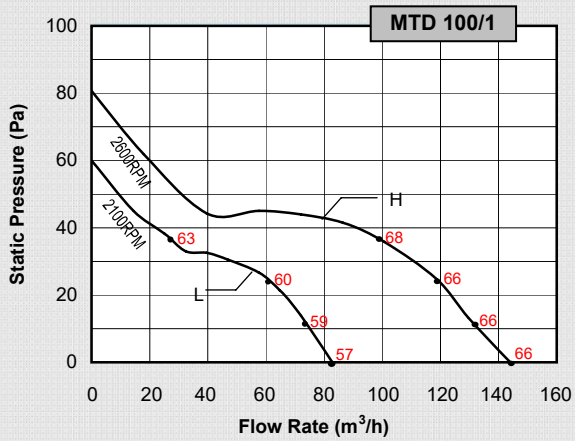


Model	A	ØB	C	ØD	E	F	G	H	J	kg
<b>MTD 100/2</b>	303	176	115	97	100	90	80	60	188	2.0
<b>MTD 100/2-6</b>	303	176	115	97	100	90	80	60	188	2.0
<b>MTD 125</b>	258	176	115	123	100	90	80	60	188	2.0
<b>MTD 125-6</b>	258	176	115	123	100	90	80	60	188	2.0
<b>MTD 160</b>	295	200	127	157	112	130	80	60	212	4.9
<b>MTD 200</b>	302	217	141	198	124	140	100	94	232.5	4.9
<b>MTD 250</b>	386	272	192	248	155	168	145	140	291	9.4
<b>MTD 315</b>	450	336	224	312	188	210	182	178	356	14.0

All dimensions in mm.



- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Performance ratings do not include the effects of appurtenances (accessories).
- Values shown are fan inlet Lw(A) sound power level for installation type D: ducted inlet, ducted outlet. Ratings include the effect of duct and correction.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.



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Technical Data											
Model	Max Q m <sup>3</sup> /h	Power W	Motor Protection	Phase	N° Pole	Voltage V	Hz	Max Amp	Insulation Class	dB (A) at 3m	RPM
MTD 100/1	148 / 125	33 / 20	IP44	1	2	230	50	0.25 / 0.15	B	58 / 56	2400 / 2150
	145 / 85	31 / 21	IP44	1	2	230	60	0.18 / 0.13	B	45 / 37	2600 / 2100
MTD 100/2	225 / 150	44 / 27	IP44	1	2	230	50	0.26 / 0.18	B	50 / 44	2250 / 1800
MTD 100/2-6	250 / 185	55 / 37	IP44	1	2	230	60	0.26 / 0.18	B	46 / 42	2450 / 2050
MTD 125	335 / 250	49 / 33	IP44	1	2	230	50	0.37 / 0.26	B	52 / 42	2210 / 1900
MTD 125-6	360 / 300	55 / 39	IP44	1	2	230	60	0.37 / 0.26	B	51 / 40	2350 / 1900
MTD 160	520 / 390	55 / 48	IP44	1	2	230	50	0.30 / 0.22	B	48 / 41	2500 / 1850
	558 / 335	68 / 52	IP44	1	2	230	60	0.31 / 0.23	B	49 / 38	2600 / 1600
MTD 200	920 / 750	116 / 107	IP44	1	2	230	50	0.55 / 0.41	B	55 / 48	2350 / 2000
	860 / 615	170 / 109	IP44	1	2	230	60	0.68 / 0.51	B	54 / 46	2650 / 2000
MTD 250/1	970 / 905	130 / 101	IP44	1	2	230	50	0.65 / 0.39	B	54 / 51	2680 / 2400
	1110 / 932	180 / 135	IP44	1	2	230	60	0.65 / 0.39	B	56 / 52	2980 / 2200
MTD 250/2	1270 / 1020	192 / 141	IP44	1	2	230	50	0.72 / 0.48	B	57 / 52	2420 / 1950
	1295 / 885	257 / 162	IP44	1	2	230	60	1.00 / 0.67	B	57 / 50	2400 / 1650
MTD 315	1670 / 1315	283 / 175	IP44	1	2	230	50	1.30 / 0.90	B	59 / 53	2350 / 1700
	1757 / 1188	352 / 186	IP44	1	2	230	60	1.50 / 1.00	B	60 / 52	2300 / 1550

- Speed (RPM) shown is nominal. Performance is based on actual speed of test.
- Performance ratings do not include the effects of appurtenances (accessories).
- dB(A) at 3m with ducted inlet and outlet at free field conditions. dB(A) is not licensed by AMCA International.
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### Accessories



#### Grilles

Mounted at the inlet or outlet of the fan, the grille prevents the entry of any foreign objects.



#### Rectangular Duct Adapters

The adapter enables the MTD fan to be connected to rectangular ducting



#### Back-Draft Shutter

Mounted at the outlet of the MTD fan, the shutter prevents the air re-circulating when the fan is not in use.

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