



PRODIGY

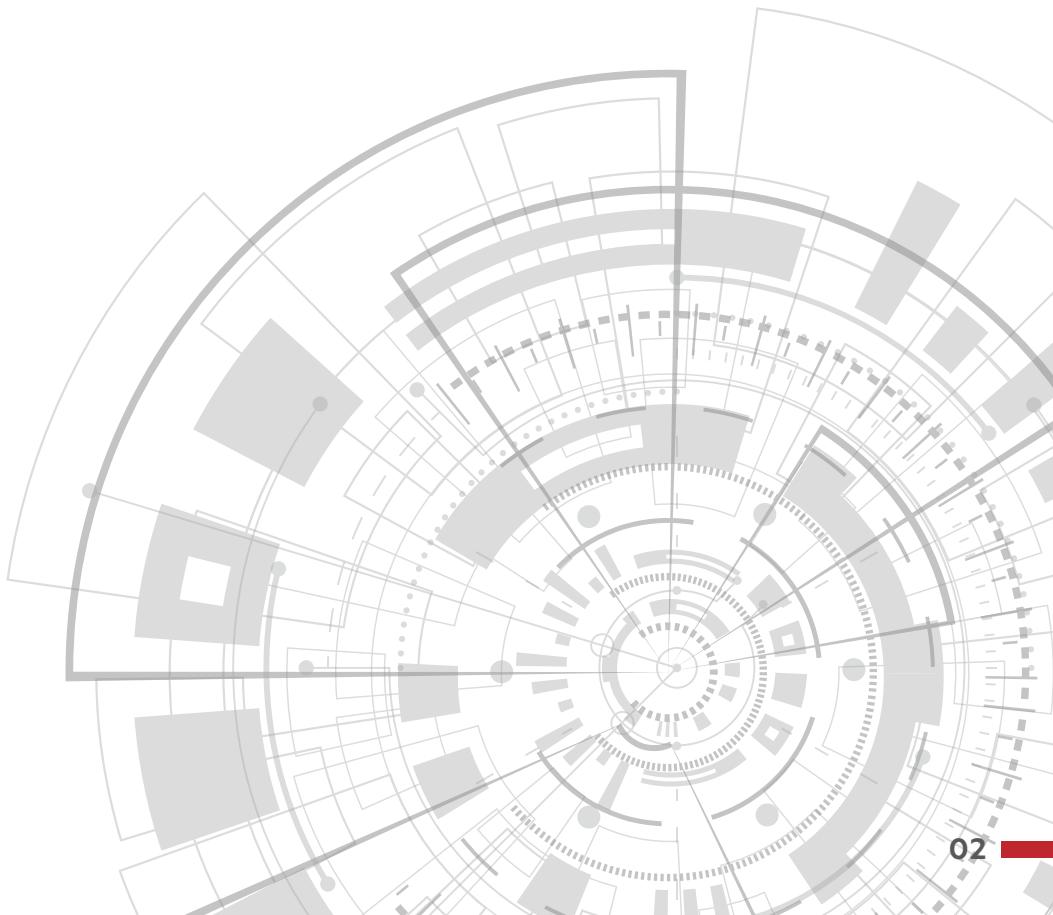
PRODUCT CATALOGUE



MANUFACTURER OF
PROFESSIONAL
VENTILATION FANS &
FRESH AIR SYSTEMS.

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COMPANY BRIEF INTRODUCTION

Prodigy Ventilation Systems is a leading manufacturer of advanced ventilation fans and fresh air systems, proudly headquartered in Fujairah, United Arab Emirates.



Global Standards

Our products are internationally certified to meet the highest benchmarks, including CCC, CE, SAA, and CVC, ensuring compliance, safety, and reliability across global markets.



Innovation

Since its establishment, Prodigy has been driven by innovation—continuously expanding its product range, refining designs, and developing utility models that keep pace with evolving industry needs.



Quality-First

At Prodigy, we believe quality is everyone's responsibility. Guided by our "quality-first" philosophy, we focus on excellence in every detail, earning the trust and recognition of our clients.



Tailored Solutions

We provide professional, personalized, and complete ventilation solutions, carefully designed to meet the unique requirements of every client and project.



BACKWARD CENTRIFUGAL INLINE FANS

Engineering Features

-  Designed to perform efficiently in high-pressure, long-distance duct systems while maintaining low noise levels.
-  Moisture-resistant, making it ideal for installation in wet and complex environments such as industrial or commercial areas.
-  Equipped with a high-efficiency copper outer rotor motor with NSK ball bearings and built-in automatic reset thermal protection for safety and smooth operation.
-  Advanced aerodynamic blade design reduces noise and improves airflow efficiency.
-  Durable, one-piece metal casing with anti-corrosion powder coating ensures long-term reliability.
-  Comes with a specially designed mounting bracket for flexible, easy installation with zero maintenance required.



Features

Energy Saving

Efficient copper motor delivers stable airflow with low noise.

Durability

Metal casing with anti-corrosion treatment ensures long life.

Flexible Adjustment

Fits multiple installations and duct types.

Powerful Air Supply

Optimized design provides strong airflow over long distances.

TYPE KEY INLINE DUCT FAN

MS - X M

M → Product Line

M: Metal Body Series

S → Fan Series

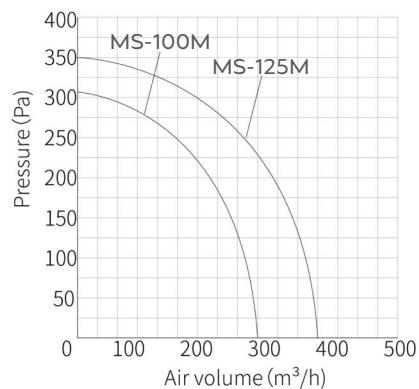
S: Standard Mixed Flow

X → Duct Diameter (mm)

M → Material Type

M: Metal

Ø 100MM / Ø 125 MM | BACKWARD CURVED

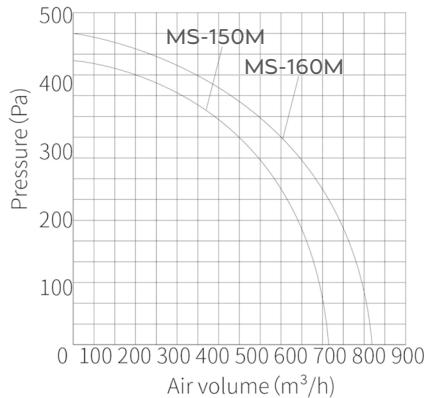


CENTRIFUGAL FAN

TECHNICAL DATA

Model	Airflow (m³/h)	Voltage (V-/Hz)	Speed (RPM)	Input power (W)	AMPS (A)	Noise (dB)
MS-100M	310	220-240V-/50Hz	2350	85	0.32	52
MS-125M	385	220-240V-/50Hz	2450	85	0.34	50

Ø 150MM / Ø 160 MM | BACKWARD CURVED

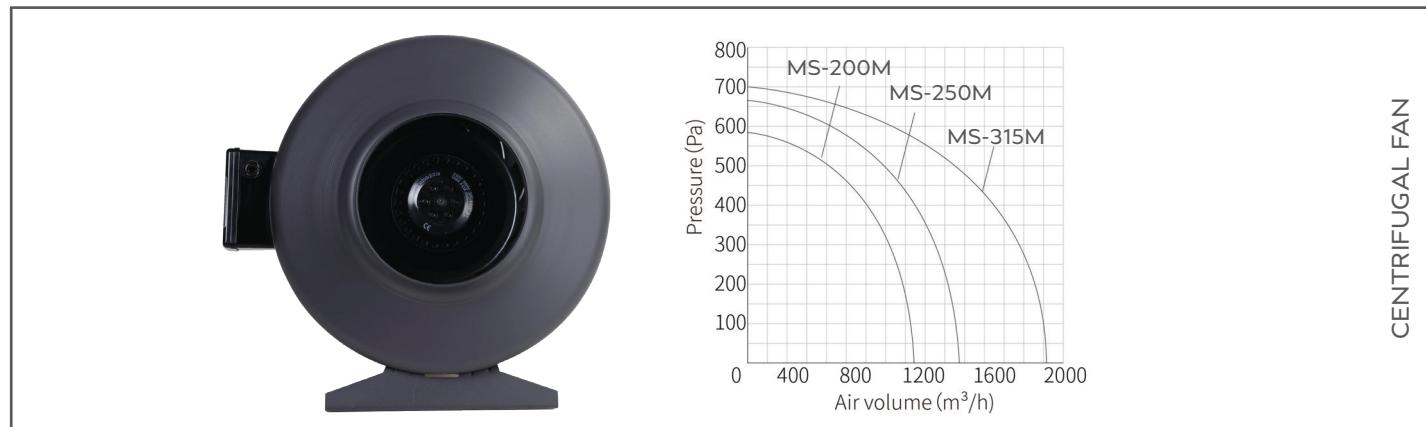


CENTRIFUGAL FAN

TECHNICAL DATA

Model	Airflow (m³/h)	Voltage (V-/Hz)	Speed (RPM)	Input power (W)	AMPS (A)	Noise (dB)
MS-150M	720	220-240V-/50Hz	2400	105	0.45	53
MS-165M	850	220-240V-/50Hz	2200	126	0.5	55

Ø 200MM / Ø 250 MM / Ø 315 MM BACKWARD CURVED

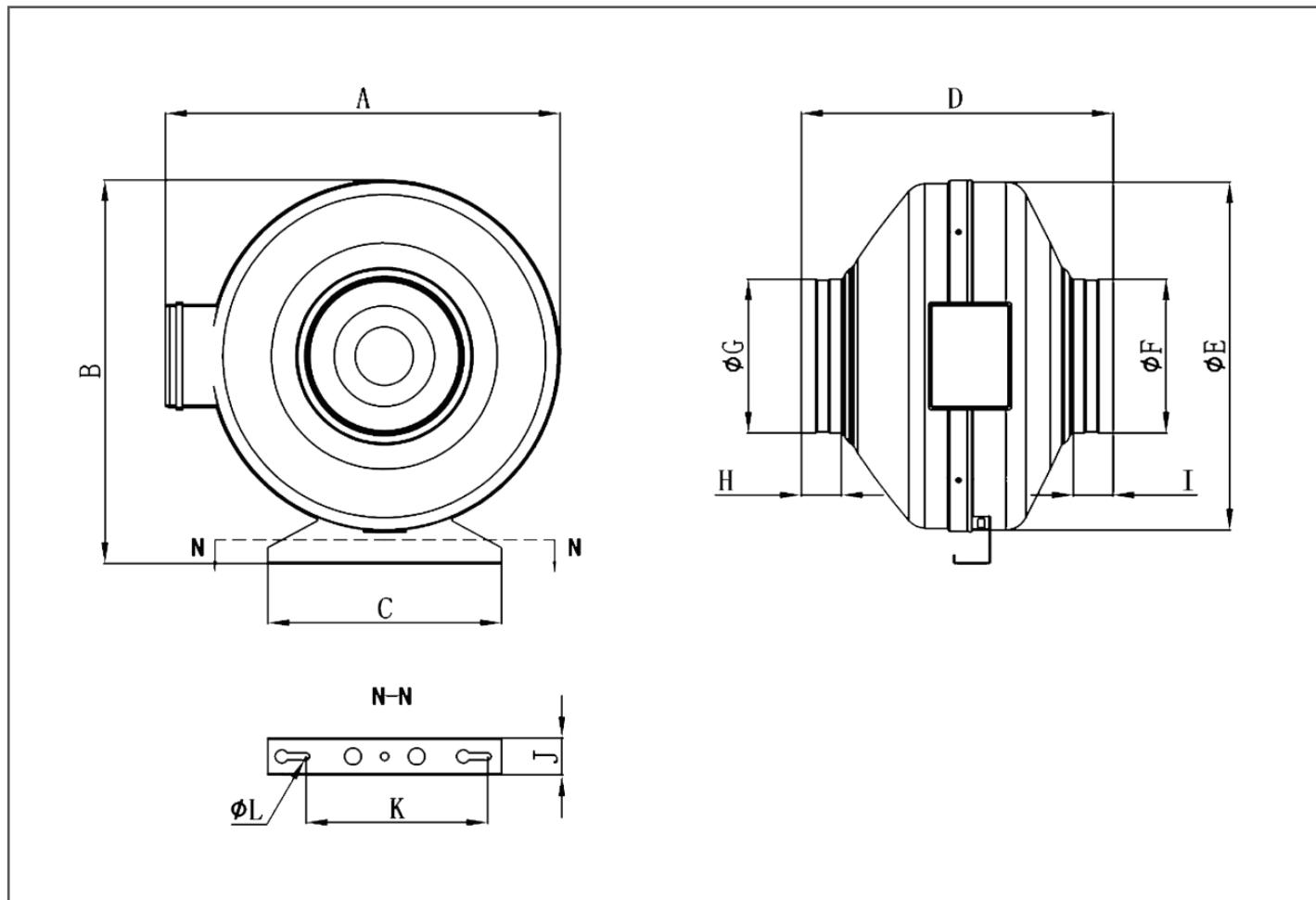


CENTRIFUGAL FAN

TECHNICAL DATA

Model	Airflow (m ³ /h)	Voltage (V-/Hz)	Speed (RPM)	Input power (W)	AMPS (A)	Noise (dB)
MS-200M	1120	220-240V-/50Hz	2450	160	0.72	60
MS-250M	1320	220-240V-/50Hz	2450	182	0.83	62
MS-315M	1900	220-240V-/50Hz	2450	260	0.84	65

OVERALL DIMENSION



TECHNICAL DATA

MODEL	A	B	C	D	E	F	G	H	I	J	K	L
MS-100M	280	272	220	205	Ø239	Ø96	Ø96	28	26	35	171	Ø7
MS-125M	280	272	220	200	Ø239	Ø120	Ø120	29	30	35	171	Ø7
MS-150M	372	361	220	294	Ø328	Ø145	Ø145	38	38	35	171	Ø7
MS-160M	372	362	220	294	Ø328	Ø156	Ø156	39	37	35	171	Ø7
MS-200M	372	362	220	256	Ø328	Ø245	Ø195	37	28	35	171	Ø7
MS-250M	372	362	220	243	Ø328	Ø197	Ø245	37	26	35	171	Ø7
MS-315M	443	432	220	253	Ø397	Ø312	Ø310	39	29	35	171	Ø7

MIXED FLOW INLINE DUCT FAN

Engineering Features



PP Material (Polypropylene):

Resistant to acids, alkalis, and corrosion for industrial and commercial use.



High Airflow & Static Pressure:

Aerodynamic impeller ensures strong airflow and pressure.



Double NMB Ball Bearings:

Japanese bearings deliver quiet, reliable operation (50,000+ hrs).



Easy Installation:

Flexible brackets support horizontal and vertical mounting.



Protection Grade (IP44):

Shields against >1mm solids and water splashes, suitable for humid areas.



Wide Temperature Range:

Performs reliably from -20°C to +60°C.



Applications:

Ideal for offices, hotels, hospitals, apartments, and public spaces entertainment venues.



Optional Features

Three-Speed Motor

(High, Medium, Low):

Adjustable airflow levels to match ventilation needs..

Timer:

Allows automatic on/off control after a set period.

Temperature and Humidity Sensor:

Automatically controls fan speed based on room conditions for optimal comfort.

TYPE KEY INLINE DUCT FAN

HS - X P

H → Product Line

H: High Efficiency/Plastic Series

S → Fan Series

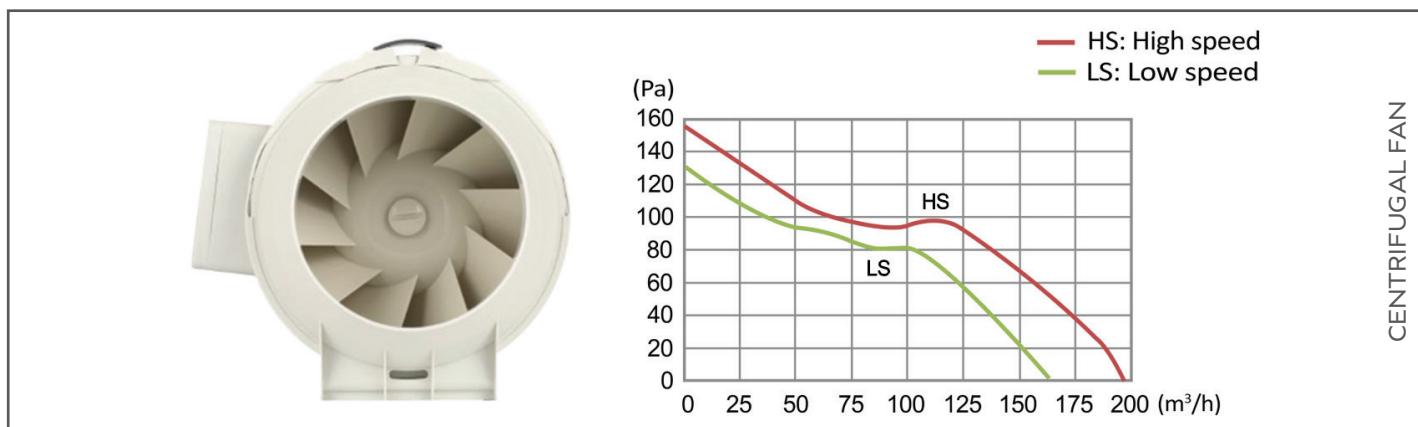
S: Standard Series

X → Duct Diameter (mm)

P → Material Type

P: Polypropylene Material

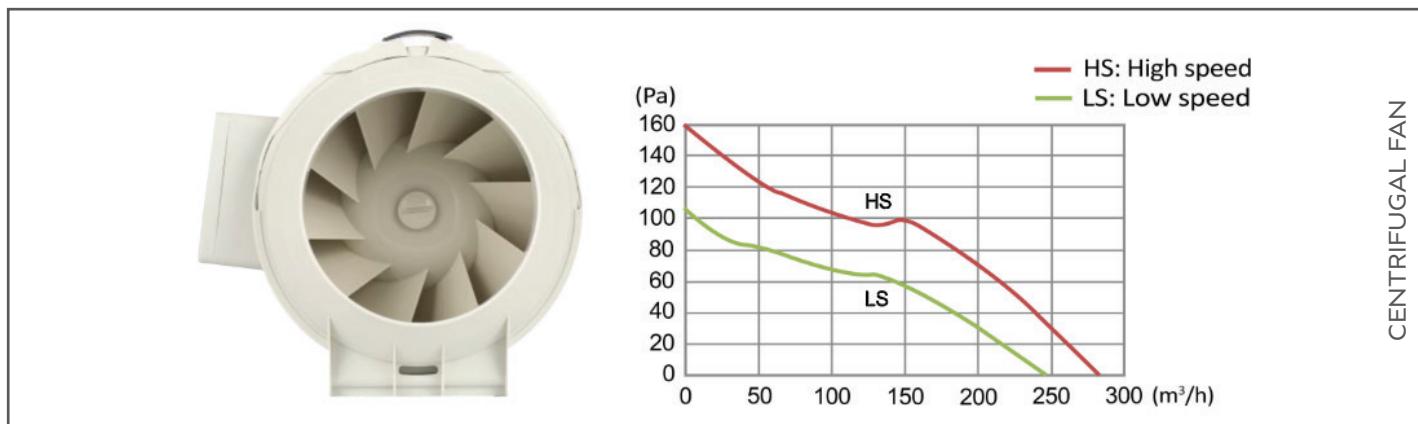
Ø 100MM BACKWARD CURVED



TECHNICAL DATA

Model	Speed	Airflow (m³/h)	Voltage (V-/Hz)	Speed (RPM)	Input power (W)	AMPS (A)	Noise (dB)
HS-100P	H	198	220-240	2200	26	0.12	31
	L	165	V-/50HZ	1850	23	0.11	26

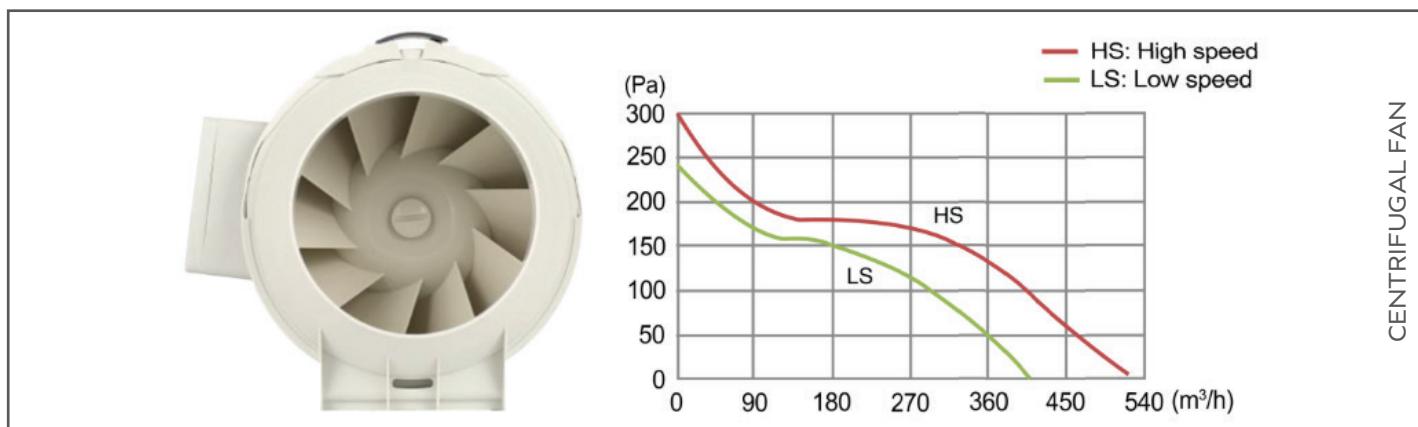
Ø 125MM BACKWARD CURVED



TECHNICAL DATA

Model	Speed	Airflow (m³/h)	Voltage (V-/Hz)	Speed (RPM)	Input power (W)	AMPS (A)	Noise (dB)
HS-125P	H	284	220-240	2250	33	0.14	32
	L	248	V-/50HZ	1850	28	0.13	26

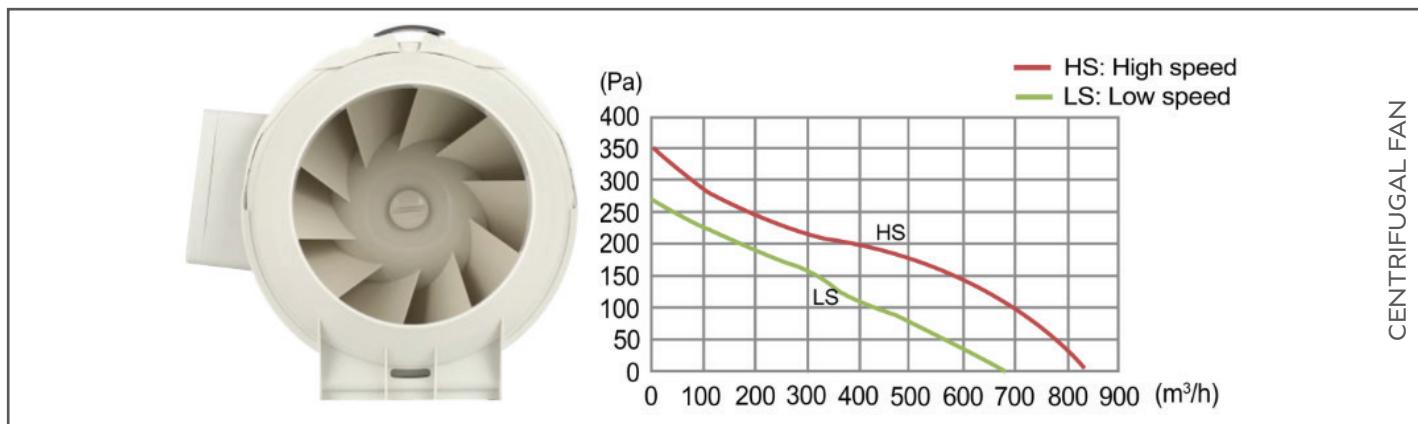
Ø 150MM BACKWARD CURVED



TECHNICAL DATA

Model	Speed	Airflow (m³/h)	Voltage (V-/Hz)	Speed (RPM)	Input power (W)	AMPS (A)	Noise (dB)
HS-150P	H	530	220-240	2250	54	0.22	33
	L	410	V-/50HZ	1850	44	0.19	29

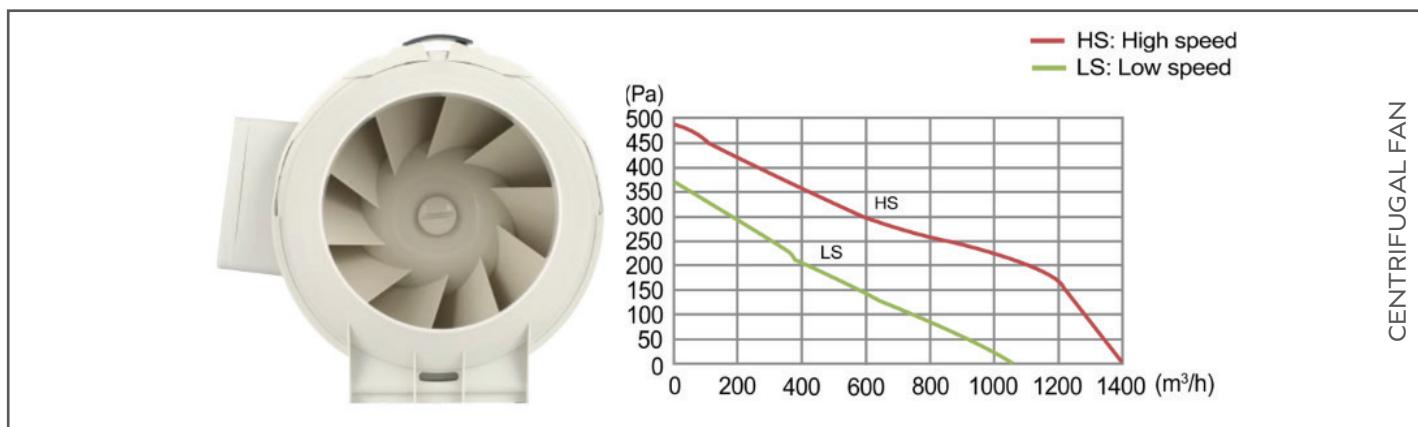
Ø 200MM BACKWARD CURVED



TECHNICAL DATA

Model	Speed	Airflow (m³/h)	Voltage (V-/Hz)	Speed (RPM)	Input power (W)	AMPS (A)	Noise (dB)
HS-200P	H	840	220-240	2450	128	0.53	63
	L	690	V-/50HZ	1950	123	0.52	55

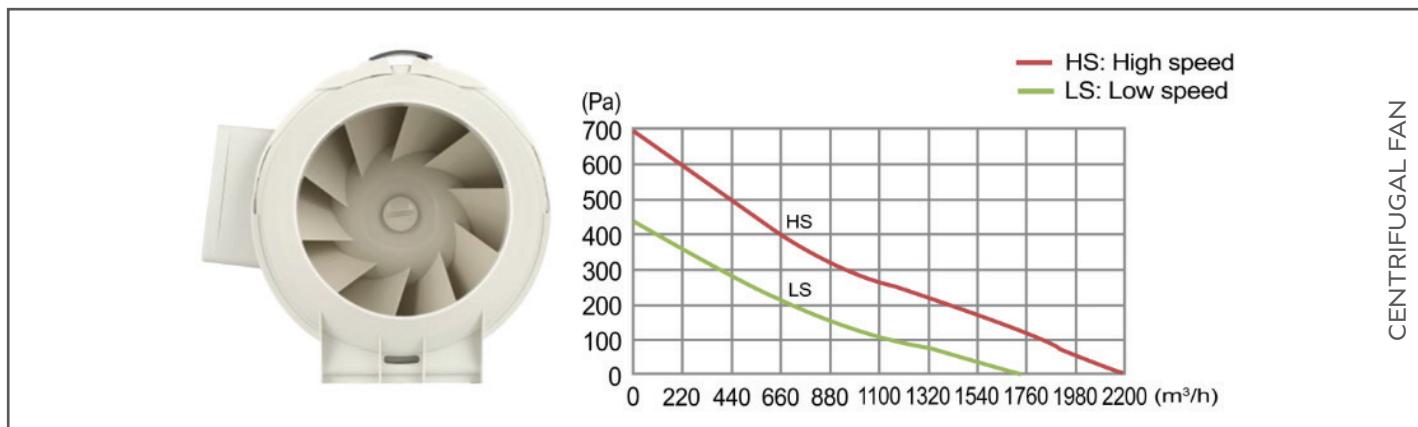
Ø 250MM BACKWARD CURVED



TECHNICAL DATA

Model	Speed	Airflow (m³/h)	Voltage (V-/Hz)	Speed (RPM)	Input power (W)	AMPS (A)	Noise (dB)
HS-250P	H	1405	220-240	2450	225	1.20	66
	L	1064	V-/50HZ	1850	165	0.75	58

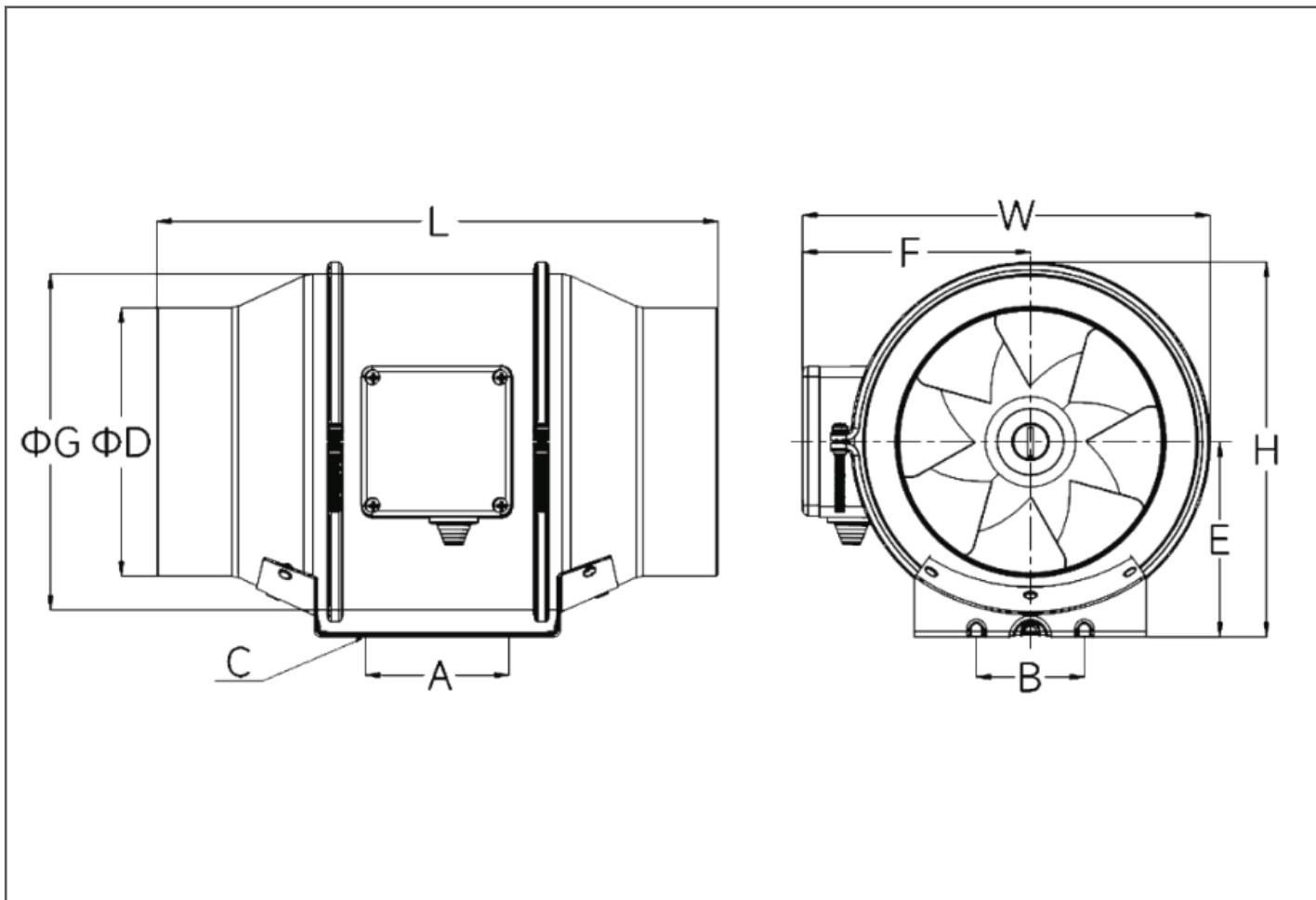
Ø 315MM BACKWARD CURVED



TECHNICAL DATA

Model	Speed	Airflow (m³/h)	Voltage (V-/Hz)	Speed (RPM)	Input power (W)	AMPS (A)	Noise (dB)
HS-315P	H	2206	220-240	2350	390	1.90	69
	L	1750	V-/50HZ	1650	275	1.40	61

OVERALL DIMENSION



TECHNICAL DATA

MODEL	A	B	C	ØD	E	F	ØG	L	W	H
HS-100P	80	60	4-Ø4.5	97	99	116	163	302	204	195
HS-125P	80	60	4-Ø4.5	123	99	116	163	257	204	195
HS-150P	80	60	4-Ø5.0	147	109	127	187	313	227	208
HS-160P	100	94	4-Ø5.5	197	125	137	205	302	249	237
HS-200P	150	150	4-Ø8*11	247	150	174	261	383	310	286
HS-250P	181	178	4-Ø8*11	312	187	216	325	446	386	357

WINDOW MOUNTED FAN

Engineering Features

-  Designed with Modern Ultra-thin front panel or grille.
-  Low-watt motor, continuous operation, no maintenance is needed.
-  Overheating protection.
-  Long working life.
-  Fan frame and blade are made of high-quality durable ABS, UV resistant.
-  Both wall/window mounted and ceiling mounted.

Optional Features

-  With Timer
-  With Humidity Sensor
-  With Motion Sensor



WINDOW MOUNTED FAN

TYPE KEY WINDOW FAN WS - X E/Q

W → Product Line

ABS MATERIAL

S → Fan Series

S: Standard Mixed Flow

X → Duct Diameter (mm)

E/Q → Type of Fan



WS-100E



WS-100Q

TECHNICAL PARAMETERS

Model	Size (mm)	Voltage (V-/Hz)	Airflow (m³/h)	Speed (RPM)	Input power (W)	AMPS (A)	Air Pressure	Noise (dB)
WS-100E	100	220-240V-/50HZ	95	2400	12	0.072	36	34
WS-125E	125	220-240V-/50HZ	150	2200	16	0.110	45	34
WS-150E	150	220-240V-/50HZ	250	2000	18	0.138	60	35
WS-100Q	100	220-240V-/50HZ	95	2400	12	0.072	36	31
WS-125Q	125	220-240V-/50HZ	150	2200	16	0.110	45	31
WS-150Q	150	220-240V-/50HZ	250	2000	18	0.138	60	32

CABINET CENTRIFUGAL FAN

Engineering Features



Stronger Motor:

Our centrifugal type fans are equipped with a stronger motor that enhances performance and reliability, ensuring consistent airflow in demanding environments.



100% Copper Construction:

Built with 100% copper components and rated IP54, our fans are designed for durability and protection against dust and water, making them suitable for various industrial settings.



Versatile Power Options:

Available in both 1-phase and 3-phase configurations, our fans can be customized to meet the specific electrical requirements of your facility.



High Airflow Capacity:

With airflow capabilities ranging from 2,000 to 25,000 CMH (cubic meters per hour), these fans are perfect for large-scale industrial ventilation needs.



CABINET CENTRIFUGAL FAN

TYPE KEY CABINET FAN CTS X-Y D

CT → Product Line

CT: CABINET FAN

S → Fan Series

S: Standard Series

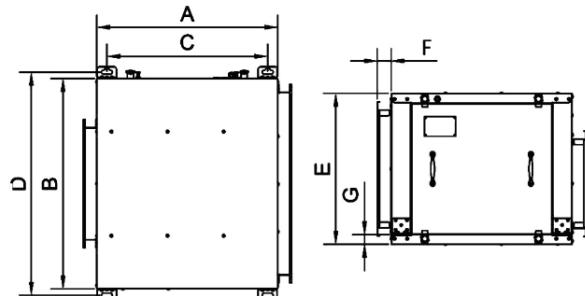
X → Blower Diameter (cm)

Y → Airflow (m³/h)

D → Type of Fan

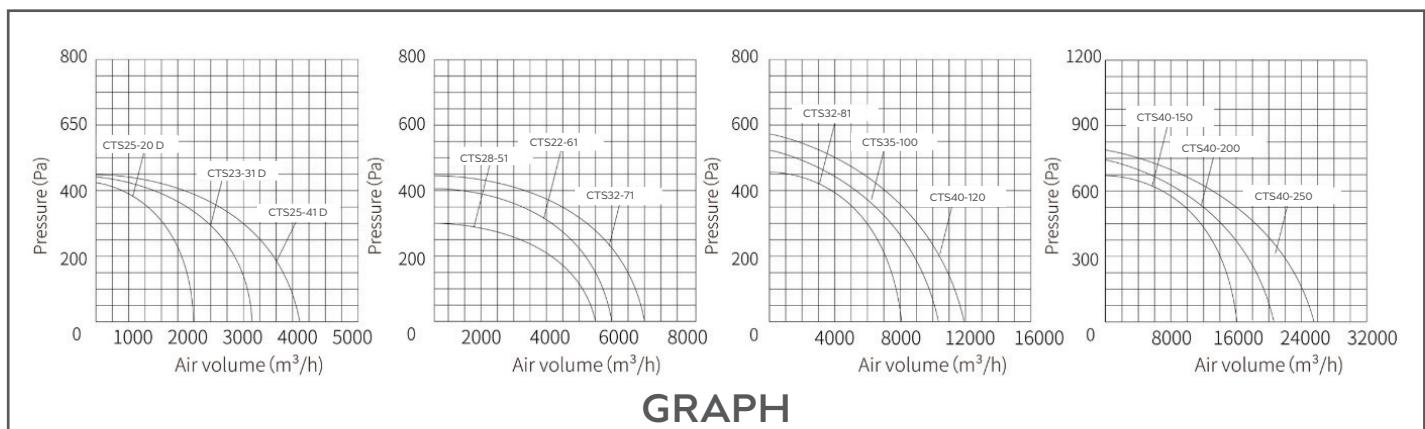
D: Single Phase Motor

ØD: Three Phase Motor



TECHNICAL PARAMETERS

Model	Speed (RPM)	Airflow (m³/h)	Voltage (V-/Hz)	Power (W)	Static (Pa)	Noise (dB)	G.W (kg)
CTS25-20D	1340	2000	220/50	250	430	55	28.4
CTS23-26D	1340	2600	220/50	370	410	56	28.4
CTS23-31D	1340	3100	220/50	550	440	61	36
CTS25-41 D	1340	4100	220/50	750	460	65	36
CTS25-20	1340	2000	380/50	250	430	55	28.4
CTS25-26	1340	2600	380/50	370	410	56	28.4
CTS23-31	1340	3100	380/50	550	440	61	36
CTS25-41	1340	4100	380/50	750	460	65	36
CTS28-51	940	5100	380/50	750	400	67	55.8
CTS32-61	940	6100	380/50	1100	410	68	55.8
CTS32-71	940	7100	380/50	1100	440	67	62
CTS32-81	940	8100	380/50	1500	461	69	68.4
CTS35-100	940	10000	380/50	2200	551	70	84
CTS35-120	940	12000	380/50	2500	591	71	87.8
CTS40-150	940	15000	380/50	3000	700	75	115
CTS40-200	940	20000	380/50	4000	725	77	126.8
CTS45-250	940	25000	380/50	5500	740	79	128.2



OVERALL DIMENSION

MODEL	A	B	C	D	E	F	G	OUTLET	INLET
CTS25-20 D	550	460	513	507	387	50	36	234x225	234x225
CTS25-26 D	550	460	513	507	387	50	36	234x225	234x225
CTS23-31 D	525	600	488	647	450	50	36	282x275	508x350
CTS25-41 D	525	600	488	647	450	50	36	322x275	508x350
CTS28-51	645	745	573	791	535	50	36	408x315	643x415
CTS32-61	645	745	573	791	535	50	36	397x315	643x415
CTS32-71	684	701	611	746	600	50	36	417x394	565x433
CTS32-81	684	701	611	746	600	50	36	417x394	565x433
CTS35-100	790	785	718	830	667	50	36	426x390	700x500
CTS40-120	810	885	738	931	667	50	36	479x390	800x500
CTS40-150	848	947	750	1067	802	50	/	457x413	783x550
CTS40-200	848	1037	750	1147	802	50	/	522x413	873x550
CTS40-250	930	903	832	1023	891	50	/	525x452	739x639



PRODIGY VENTILATION SYSTEMS
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