

MSA
series



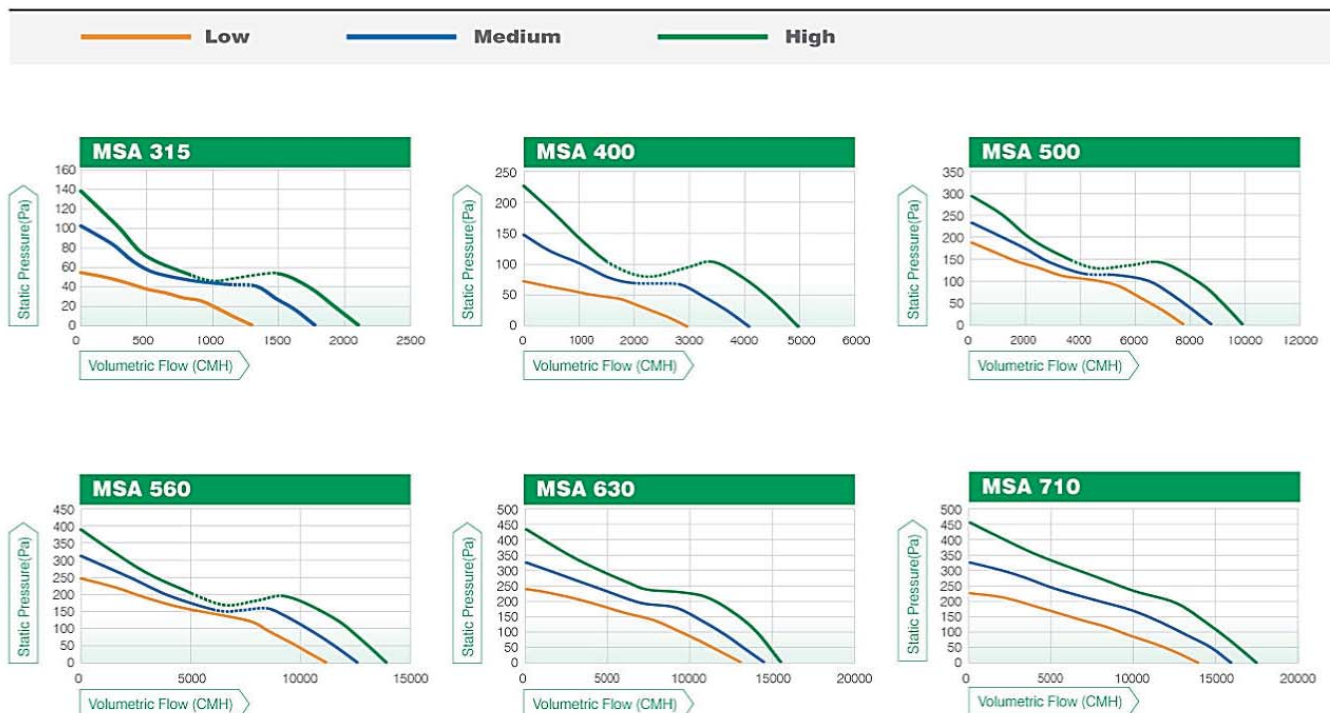
Single Phase Multi Speed Axial



GTG Industries Sdn Bhd certifies that the model: MSA shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



Performance Curves



Note: Dotted line is not recommended for selection purpose.

Specification

Model	MSA 315			MSA 400			MSA 500		
Speed	High	Medium	Low	High	Medium	Low	High	Medium	Low
Volt / Phase / Hz	230 / 1 / 50			230 / 1 / 50			230 / 1 / 50		
Max Power Input (W)	193	139	99	488	319	198	1156	916	801
Air Flow (CMH)	2113	1778	1300	4972	4075	2948	9940	8784	7747
Amps (A)	0.865	0.603	0.443	1.94	1.286	0.863	4.63	3.83	3.26
RPM	1396	1268	975	1370	1114	795	1391	1202	1102
Sound Power dB(A)	73.3	-	-	77.1	-	-	82.9	-	-
Sound Pressure dB(A) at 3m	53.3	-	-	57.1	-	-	62.9	-	-

Model	MSA 560			MSA 630			MSA 710		
Speed	High	Medium	Low	High	Medium	Low	High	Medium	Low
Volt / Phase / Hz	230 / 1 / 50			230 / 1 / 50			230 / 1 / 50		
Max Power Input (W)	1641	1460	1303	1835	1536	1289	1902	1553	1307
Air Flow (CMH)	13954	12618	11192	15556	14494	13061	17500	15962	13914
Amps (A)	6.52	6.09	5.72	7.02	6.31	5.24	7.42	6.4	5.62
RPM	1402	1252	1097	1364	1198	1026	1377	1184	1000
Sound Power dB(A)	88.1	-	-	91.4	-	-	95.7	-	-
Sound Pressure dB(A) at 3m	68.1	-	-	71.4	-	-	75.7	-	-

- * Speed(RPM) shown is nominal. Performance is based on actual speed of test.
- * Sound Pressure dBA levels are not licensed by AMCA International.
- * Performance certified is for installation type D- Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
- * The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwIA sound power levels for installation type D ducted inlet, ducted outlet. Ratings include the effects of duct end correction.
- * **Not suitable for vertical installation.**



Single Phase Multi Speed Axial



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- ◆ Single phase motor with 3 speed selection
- ◆ Multiple performance to meet all requirements
- ◆ Easy and low cost electrical installation

Introduction

MSA SERIES is an ADJUSTABLE PITCH ANGLE axial fan with uniquely designed SINGLE PHASE 3 SPEED MOTOR. This unique feature provides wide range selections to suit all types of ventilation requirement. It also ensures vibration free operation.

Model Range

MSA Multi Speed Axial
MSA-Q Plate Type Multi Speed Axial

Impellers

Material
Standard - Composite impeller
Optional - High pressure die cast aluminium alloy

Easy Maintenance

Blades are fixed on hub with taper lock bush

Fan Casing

Material
Standard - Hot-dipped galvanized casing
Optional - Steel casing with black epoxy coating

Flanges are rolled from the casing

Motor



Single phase 3 speed condenser motor.

Uniquely designed foot mount bracket completed with anti vibration device to ensure vibration free operation.

Class F insulation

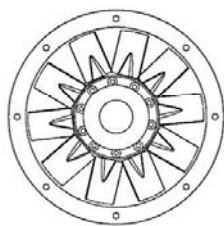
Protected with IP54, against dust and moisture suitable for humid environment.

Designed for operation in ambient temperatures up to 40°C.

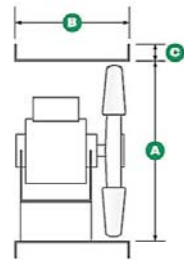
Permanently lubricated ball bearing.



Dimension (mm) - MSA Series



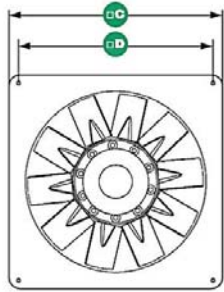
Front View



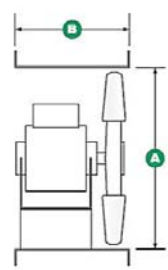
Side View

MODEL	A	B	C	Weight (Kg)
MSA 315	315	240	30	13.5
MSA 400	400	280	30	20.0
MSA 500	500	300	40	31.0
MSA 560	560	370	40	43.0
MSA 630	630	370	40	45.0
MSA 710	710	370	40	48.0

Dimension (mm) - MSA-Q Series



Front View



Side View

MODEL	A	B	C	D	Weight (Kg)
MSA-Q 315	315	240	445	395	16.5
MSA-Q 400	400	280	530	480	24.0
MSA-Q 500	500	300	630	580	38.0
MSA-Q 560	560	370	690	640	51.0
MSA-Q 630	630	370	760	705	55.0
MSA-Q 710	710	370	840	785	59.0

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Specification subject to changes without prior notice.

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