Air Cylinder/Double Force Type RoHS

Size: 57

with double the theoretical output.

This product is capable of providing double the force of the MB series, without changing the width, due to the adoption of a rectangular piston.

The width of the MB standard model and the MB tandem cylinder are the same





Small auto switches can be mounted on 4 surfaces. (Tie-rod mounting) Applicable auto switch: D-M9□

MB-X3157

Air cushion adjustment is not required due to the nonadjustable air cushion.

The built-in rubber bumper reduces the metal noise that occurs when the piston stops.

Cover shape that prevents foreign matter accumulation



MB-X3157

Specifications

Size	57 (Equiv. ø40 x 2 piston area)						
Action	Double acting, Single rod						
Proof pressure	1.0 MPa						
Max. operating pressure	0.7 MPa*1						
Min. operating pressure	0.05 MPa						
Ambient and fluid	5 to 60°C						
temperatures	510 60 °C						
Lubrication	Not required (Non-lube)						
Piston speed	50 to 500 mm/s*1						
Stroke length tolerance	+ ^{2.0} mm						
Cushion	Non-adjustable air cushion + rubber bumper						
Port size	Rc1/8						
Stroke	50 to 250 mm (25 mm increments)						
Mounting	None (Basic type only)						
Allowable kinetic energy	2.0 J						

Depending on the system configuration selected, the specified speed may not be satisfied. *1 Maximum operating pressure and piston speed are different from the existing product (MB series).

Dimensions

Standard Strokes

		[mm]
Size	Standard stroke	
57	50, 75, 100, 125, 150, 175, 200, 225, 250	

Theoretical Output

				► OU1		ł	— IN	[N]
Size	Rod operating	Piston area	Operating air pressure [MPa]					
	direction	[mm ²]	0.2	0.3	0.4	0.5	0.6	0.7
57	IN	2262	452	678	905	1131	1357	1583
	OUT	2516	503	755	1006	1258	1510	1761

* Theoretical output [N] = Pressure [MPa] x Piston area [mm²]



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Auto switch bracket dimensions



Side surface

A Safety Instructions Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and the "MB Series Specific Product Precautions" before use.

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Port surface

 ${}_{\textcircled{A}}$ Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.