

# Diaphragm Vacuum Pumps | MP Standard Duty



Model  
MP 060 E



Model  
MP 055 Z / MP 105 E



Model  
MP 101 Z



## Specifications

Ilmvac Model	MP 060 E	MP 055 Z	MP 105 E	MP 101 Z
Number of heads / stages	2 / 1	2 / 2	2 / 1	2 / 2
Free Air Displacement				
m <sup>3</sup> /h(L/min)@50Hz	0.6(10)	0.5(8)	0.9(15)	1.0(16.7)
cfm(L/min)@60Hz	0.4(10)	0.3(9.1)	0.6(16.6)	0.7(18)
Ultimate pressure, mbar(torr)	60(45)	5(3.8)	60(45)	8(6)
Maximum Vacuum, in. Hg	28.2	29.8	28.2	29.7
Max. overpressure, bar	----	----	----	----
IN / EX hose connector	DN 6/8 / silencer	DN 8	DN 8	DN 8
Tubing Needed, I.D. mm(in.)	6(0.24) / 8(0.32)	8(0.32)	8(0.32)	8(0.32)
Intake(EXhaust) Thread NPT	- (-)	- (1/8)	1/8(1/8)	1/4(1/4)
Sound level, dB(A)	42	44	44	45
Motor Power, watts(HP)	20(0.03)	68(0.09)	68(0.09)	60(0.08)
Type of motor protection, IP	20	42	42	54
Weight, kg(lbs.)	2.3(5.1)	6.25(13.8)	6.25(13.8)	6.5(14.3)
Overall Dimensions				
L x H xH in.(cm)	11.5x16.5x14.5 (5x7x 6)	23.5x14x27.7 (9x6x11)	23.5x14x27.7 (9x6x11)	9.5x23.5x14.5 (8x9x6)
Ship Weight, kg(lbs.)		8(17.6)	8(17.6)	9(19.8)
Shipping Carton Dimensions				
LxWxH cm(in.)	40x30x17 (16x12x7)	30x30x40 (12x12x16)	30x30x40 (12x12x16)	41x26x25 (16x10x10)

## Ordering Information

230V, 50/60Hz, 1 Ph <sup>1</sup>	----	---	----	411522
115V, 50/60Hz, 1 Ph <sup>2</sup>	----	----	----	411522-01
115/230V, 50/60Hz, 1 Ph <sup>3</sup>	----	411422	411421	----
90-260V, 50/60Hz 4	411121	----	----	----
230/400V, 50/60Hz, 3 Ph 6	----	----	----	----

## Applications

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### MP Diaphragm Vacuum Pumps

- Standard Duty
- Oil Free

MP models use aluminium pump heads suitable for pumping non-reactive gases/vapors such as air, noble gases and water vapor. PTFE diaphragms are used because they offer longer lifetime than conventional elastomer diaphragms. The diaphragms consist of a PTFE membrane sandwiched to a strong non-wetted backing.

PEEK valves are used due to their excellent resistance to chemical attack and are extremely hard wearing when compared to elastomer valves. Connectors are made from PA with PTFE tubing.

Exhaust silencers are included with MP pumps.

### Exhaust Silencer

