

## TOHIN Linear Diaphragm Air Pump

### New TM series



TM60R, 80R, 100R



TM120N, 150R, 200N

#### Feature of TM series

##### Very low power consumption

- Higher energy efficient is achieved by adopting strong magnet and low-loss of magnetic power.
- Better energy saving is achieved with lower air resistance by improving air hole design and with better air-compressing efficiency by optimizing its shape and capacity.

##### Longer-life diaphragm

- Decrease load to diaphragms by efficient pumping with compact compression room
- Decrease load to diaphragms by new design for low-loss of air compression.
- Lower temperature of diaphragms by efficient magnetic energy use with low exothermic solenoid.

##### Quieter operation

- Achieve much lower operation noise by adopting new housing. Also decrease noise variation.

##### Automatic safety stop function

- If a diaphragm or valve is damaged in operation, this function works and stops running to prevent further damage of a blower. Also, after replacing parts, you can resume the blower easily with simple reset of the function

**Specifications**

Model	TM30R	TM40R	TM60R	TM80R	TM100R	TM120N	TM150R	TM200N
<b>Airflow rate</b>	30L@12kPa 1.2CFM@1.7PSI	40L@12kPa 1.6CFM@1.7PSI	60L@15kPa 2.1CFM@2.2PSI	80L@15kPa 2.8CFM@2.2PSI	100L@18kPa 3.6CFM@2.2PSI	120L@18kPa 4.6CFM@2.2PSI	150L@18kPa 5.5CFM@2.2PSI	200L@18kPa 7.2CFM@2.2PSI
<b>Rated voltage (VAC)</b>	127V/60Hz	127V/60Hz	127V/60Hz	127V/60Hz	127V/60Hz	127V/60Hz	127V/60Hz	127V/60Hz
<b>Power consumption</b>	21W	34W	45W	53W	80W	98W	120W	170W
<b>Insulation class</b>	E	E	E	E	E	E	E	E
<b>Rating</b>	Constant rating	Constant rating	Constant rating	Constant rating	Constant rating	Constant rating	Constant rating	Constant rating
<b>Dimensions(LWH) (excluding outlet port)</b>	182x161x175mm 7.2x6.3x6.9inch	182x161x175mm 7.2x6.3x6.9inch	182x161x175mm 7.2x6.3x6.9inch	182x161x175mm 7.2x6.3x6.9inch	182x161x175mm 7.2x6.3x6.9inch	300x180x198mm 11.8x7.1x7.8inch	300x180x198mm 11.8x7.1x7.8inch	300x180x198mm 11.8x7.1x7.8inch
<b>Outlet dia.</b>	18mm 0.7inch	18mm 0.7inch	18mm 0.7inch	18mm 0.7inch	18mm 0.7inch	26mm 1.0inch	26mm 1.0inch	26mm 1.0inch
<b>Weight</b>	4.5kg 9.9 lbs.	4.5kg 9.9 lbs	5.0kg 11.0 lbs.	5.0kg 11.0 lbs.	5.0kg 11.0 lbs.	8.5kg 18.7 lbs.	9.0kg 19.8 lbs	9.0kg 19.8 lbs
<b>Measured sound level (dBA @1m or 3ft.)</b>	36	36	41	41	44	47	47	49
<b>Ambient temp. (humidity: under 90%)</b>	-10 to 40C° 14 to 104F°	-10 to 40C° 14 to 104F°	-10 to 40C° 14 to 104F°	-10 to 40C° 14 to 104F°	-10 to 40C° 14 to 104F°	-10 to 40C° 14 to 104F°	-10 to 40C° 14 to 104F°	-10 to 40C° 14 to 104F°
<b>Insulated resistance</b>	More than 1.0MΩ (DC500V)	More than 1.0MΩ (DC500V)	More than 1.0MΩ (DC500V)	More than 1.0MΩ (DC500V)	More than 1.0MΩ (DC500V)	More than 1.0MΩ (DC500V)	More than 1.0MΩ (DC500V)	More than 1.0MΩ (DC500V)

- Made in Japan
- Other voltage is also available. Please ask us for further information.
- Information in this document is subject to change without notice.

Performance curve (power cycle: 50Hz)

