

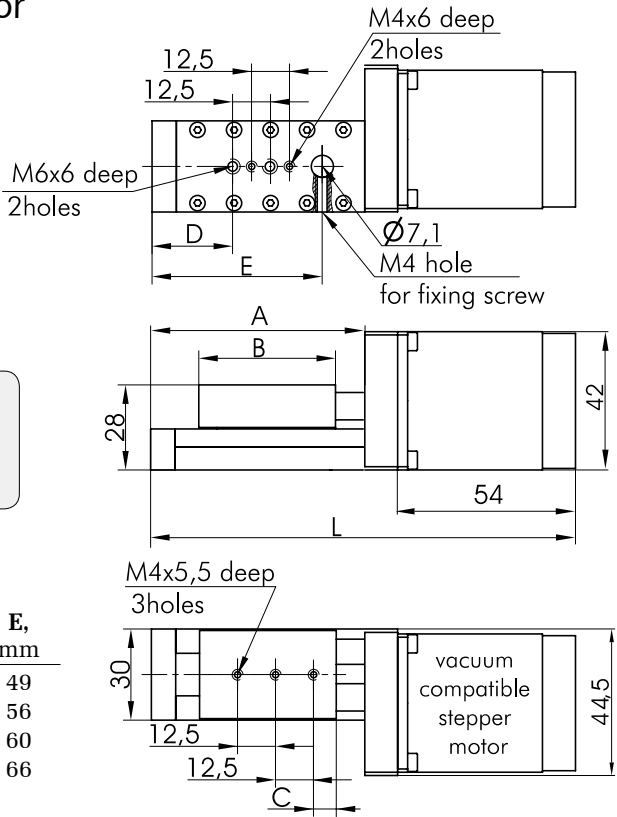
# Narrow Motorized Translation Stage with Vacuum compatible stepper motor

8MT173V



8MT173V-20

Vacuum  
10<sup>-6</sup> Torr  
compatible



Model	L, mm	A, mm	B, mm	C, mm	D, mm	E, mm
8MT173V-10	124	60	45	7.5	21.5	49
8MT173V-20	134	70	45	7.5	26.5	56
8MT173V-25	138	74	49	11	30.5	60
8MT173V-30	144	80	55	11.5	36.5	66

Many applications require **vacuum compatible stages**. 8MT173V series stages are equipped with **10<sup>-6</sup> Torr vacuum compatible stepper motor**, all mechanical parts are **lubricated with High vacuum compatible grease**. Aluminum parts are not anodized. Stages are cleaned in vacuum chamber and packed before dispatch, so that it can be immediately placed in vacuum chamber after purchase without spoiling the vacuum. Cleaning and packing not included in price.

SPECIFICATIONS	8MT173V-10	8MT173V-20	8MT173V-25	8MT173V-30
Travel range, mm	10	20	25	30
Lead screw pitch, mm		0.25		
Resolution in full step*, µm		1.25		
Max. speed*, mm/s		2.5		
Load capacity:				
Horizontal, kg		3		
Vertical, kg		1		
Fluoroplastic cable		integrated, 2 m length		
Motor connector		HDB15(M)		
Vacuum compatible stepper motor		VSS42		
Weight, kg	0.42	0.48	0.49	0.5
Assemblies:				
X-Y		2CP173V-20		
Z		2AB173V-20		

\*Test condition:  
• STANDA controllers;  
• Power supply – 36V.

## Recommended Controllers

more info on [www.standa.it](http://www.standa.it)

**Stepper Motor Controller with USB Interface**

8SMC1-USBhF

**Stepper Motor Controller with RS232 Interface**

8SMC3-RS232

**Stepper Motor Controller with Manual Control**

8SMMC2