

Saginomiya UKV-40D08

Electronic Expansion Valve Kit - Technical Data Sheet

COMPLETE SET

Valve body + 12 VDC coil + 2.1 m lead wire

PRODUCT CONFIGURATION

Supply scope 1 x UKV-40D08 electronic expansion valve body; 1 x compatible 12 VDC coil; 2.1 m coil lead wire.

TECHNICAL SPECIFICATIONS

Parameter	Specification	Parameter	Specification
Model	UKV-40D08	Valve type	Electronic expansion valve
Valve port diameter	4.0 mm	Flow control	Stepper-motor operated
Connection A	7.94 mm O.D. copper tube	Connection B	7.94 mm O.D. copper tube
Operating differential pressure	0 to 2.1 MPa (0 to 21 kgf/cm2)	A -> B valve-closing pressure	0.7 MPa (7 kgf/cm2)
Coil rated voltage	12 VDC	Coil rated current	260 mA per phase
Coil lead length	2.1 m	Coil weight	0.13 kg

NOMINAL COOLING CAPACITY

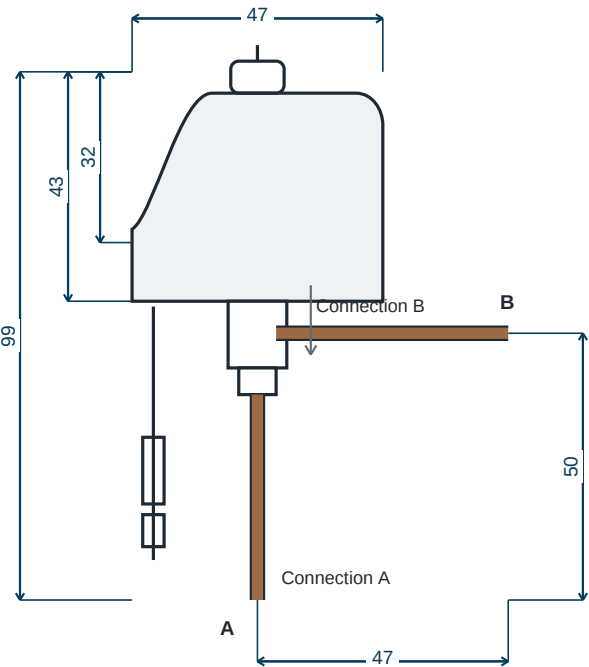
Refrigerant	Capacity (kW)	U.S. refrigeration tons	Refrigerant	Capacity (kW)	U.S. refrigeration tons
R410A	46.0	13.1	R134a	30.6	8.7
R404A	27.6	7.9	R407C	40.2	11.4
R22	39.1	11.1			

Test conditions and selection note

Nominal capacity: condensing 38 deg C; evaporating 5 deg C; subcooling 0 deg C; superheat 0 deg C.

Verify connection size, coil wiring sequence and controller compatibility before installation.

DIMENSIONAL OUTLINE



Item	Dimension
Valve connections A and B	7.94 mm O.D.
Upper housing width	Approx. 47 mm
Overall height	Approx. 99 mm
A-to-B vertical dimension	50 mm
B-side horizontal reach	47 mm