

# 9 Specifications

## 9-1 Product specifications

- The box (■) in the model name indicates **A** (without additional function) or **N** (with adjusting knob).
- The box (□) in the model name indicates **U** (upward direction), **D** (downward direction), **R** (right direction), or **L** (left direction) representing the cable outlet direction.
- The circle (○) in the model name indicates **-P** (with foot) representing the foot.  
The circle (○) is blank for the cylinder without foot.

Cylinder model	Cylinder equipped with the <b>AZ</b> Series	
	<b>DR20R1B02-AZAK□</b> <b>DR20R1BC02-AZAK□</b>	<b>DR28R1A03-AZAK□○</b> <b>DR28R1AC03-AZAK□○</b>
Ball screw lead [mm]	1	1
Ball screw type	Precision	Rolled
Repetitive positioning accuracy [mm]	±0.003	±0.01
Lost motion [mm]	0.02 or less	0.05 or less
Minimum travel amount [mm]	0.001	0.001
Transportable mass [kg]	Horizontal	4
	Vertical	4
Thrust [N]	15	40
Push force [N]	–	–
Holding force [N]	15	40
Stroke [mm]	25	30
Maximum speed [mm/s] *2	20	40
Maximum acceleration [m/s <sup>2</sup> ]	0.2	0.2
Rated current [A/phase]	–	–
Voltage [V]	–	–
Winding resistance [Ω/phase]	–	–
Connection method	–	–
Inductance [mH/phase]	–	–

\*1 When the base step angle is 1.8°/step.

\*2 The maximum speed may decrease depending on the ambient temperature or the connection cable length.