

Single-axis slider product overview

How to pronounce model names

SLP - 25 - 1200 - S - M3 - A3 - SH - XYPB
(1) (2) (3) (4) (5) (6) (7) (8)

(1) Series name	
(2) Robot size	15 / 25 / 35
(3) Stroke	mm
(4) Number of sliders	S: Single slider D: Double slider
(5) Length of the motor power cable	No indication: No cable M3: 3m M6: 6m M9: 9m
(6) Length of encoder cable	No indication: No cable A3: 3m double-sided connector cable A6: 6m double-sided connector cable A9: 9m double-sided connector cable B3: 3m single-sided connector cable B6: 6m single-sided connector cable B9: 9m single-sided connector cable
(7) Cable carrier	No indication: No cable carrier SH: S-type horizontal placement SW: S-type wall-mounted MH: M-type horizontal placement MW: M-type wall-mounted
(8) Orthogonal jig plate	No notation: No orthogonal jig plate. XYPA: Orthogonal jig plate A. XYPB: Orthogonal jig plate B. One set is standard equipment for single sliders, and two sets for double sliders.

SLP-15S

Single slider type

- Stroke 100mm to 1300mm
- Encoder resolution 0.001mm
- Rated thrust 17N (peak thrust 90N)

A unit-type single-axis stage that easily achieves precision, high-speed linear drive and long stroke.

It excels in applications requiring high-speed transport in production lines, as well as in replacements of mechanisms using ball screws, where high-speed response, high-precision positioning, and improved maintainability.

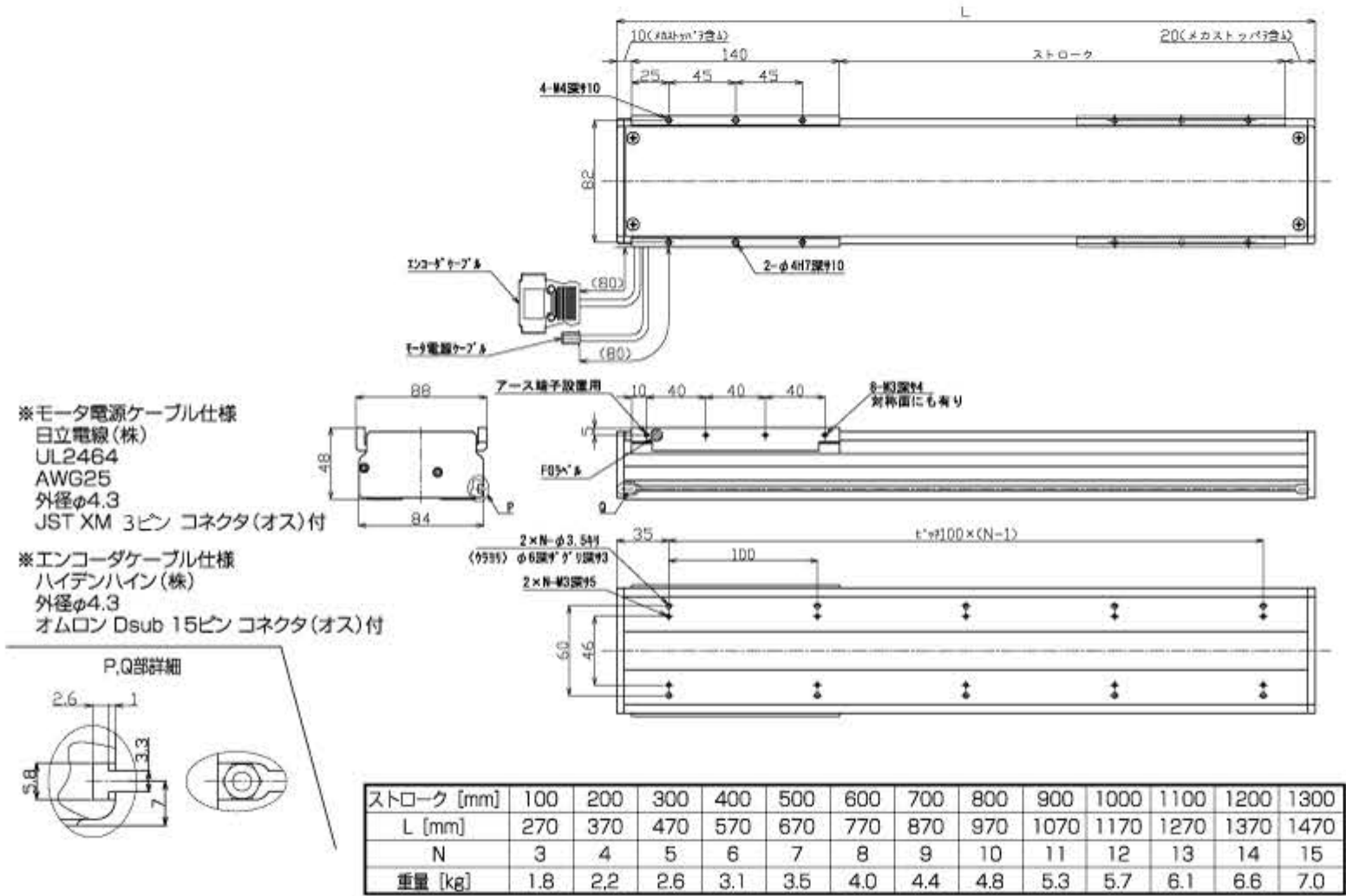


specification

resolution	mm	0.001 (HEIDENHAIN LIDA279)
Rated thrust	N	17
Acceleration thrust ^{*1}	N	90
Rated current ^{*2}	Arms	0.51
Accelerating current ^{*1}	Arms	2.7
Maximum acceleration ^{*3}	G	3.5
Maximum speed ^{*3 *4}	m/s	3.0
Repeatable positioning accuracy	COUNT	±1
Maximum payload (horizontal)	kg	5
Maximum payload (wall-mounted)	kg	3
Effective stroke length ^{*5}	mm	100 to 1300 (100mm intervals)
Operating temperature	°C	0-40
Operating ambient humidity	%	20-80°C (No condensation)
storage temperature	°C	-20 to 60

- *1 Acceleration thrust varies depending on the driver.
- *2 This is the effective current value at which the coil surface temperature rises to 110K.
- *3 May not be achievable depending on the load and operating specifications.
- *4 May not be achievable depending on the stroke.
- *5 Please inquire about strokes not listed.

Outline drawing



SLP15 Series

Model number	Number of movers	Rated thrust (N)	Acceleration thrust (N)	Stroke length (mm)	Rated current (Arms)	Accelerating current (Arms)
▶ SLP-15S	1	17	90	100 to 1300 (100mm intervals)	0.51	2.7
▶ SLP-15D	2	17	90	100 to 1200 (100mm intervals)	0.51	2.7

SLP-15D

Double slider type

- Stroke 100mm to 1200mm
- Encoder resolution 0.001mm
- Rated thrust 17N (peak thrust 90N)

A unit-type single-axis stage that easily achieves precision, high-speed linear drive and long stroke.

It excels in applications requiring high-speed transport in production lines, as well as in replacements of mechanisms using ball screws, where high-speed response, high-precision positioning is required, and where improved maintainability is desirable.

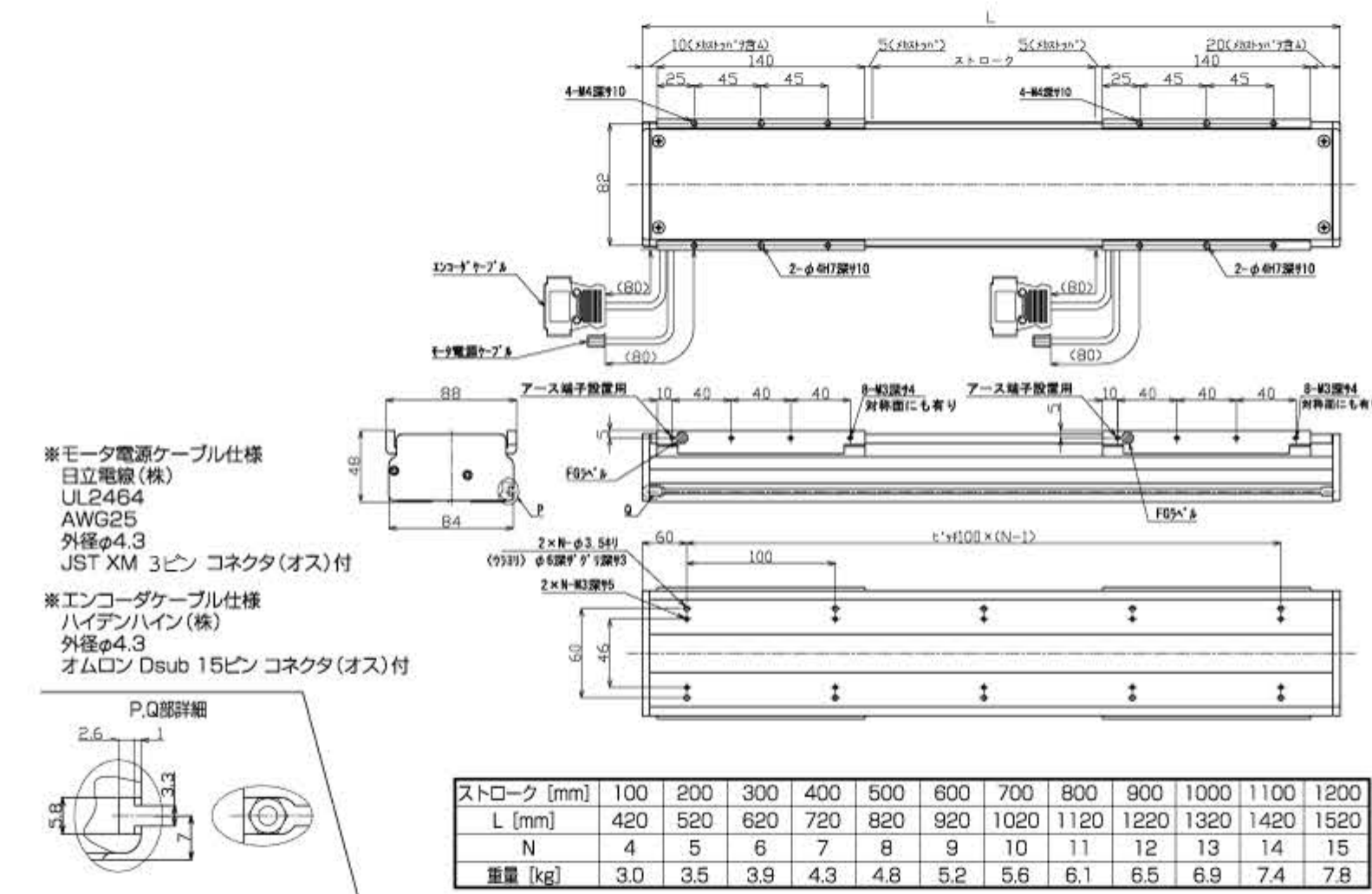


specification

resolution	mm	0.001 (HEIDENHAIN LIDA279)
Rated thrust	N	17
Acceleration thrust ^{*1}	N	90
Rated current ^{*2}	Arms	0.51
Accelerating current ^{*1}	Arms	2.7
Maximum acceleration ^{*3}	G	3.5
Maximum speed ^{*3 *4}	m/s	3.0
Repeatable positioning accuracy	COUNT	±1
Maximum payload (horizontal)	kg	5
Maximum payload (wall-mounted)	kg	3
Effective stroke length ^{*5}	mm	100 to 1200 (100mm intervals)
Operating temperature	°C	0-40
Operating ambient humidity	%	20-80°C (No condensation)
storage temperature	°C	-20 to 60

- *1 Acceleration thrust varies depending on the driver.
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Outline drawing



SLP-25S

Single slider type

- Stroke 200mm to 1200mm
- Encoder resolution 0.001mm
- Rated thrust 80N (peak thrust 340N)

A unit-type single-axis stage that easily achieves precision, high-speed linear drive and long stroke.

It excels in applications requiring high-speed transport in production lines, as well as in replacements of mechanisms using ball screws, where high-speed response, high-precision positioning is required, and where improved maintainability is desirable.



specification

resolution	mm	0.001 (HEIDENHAIN LIDA279)
Rated thrust	N	80
Acceleration thrust *1	N	340
Rated current *2	Arms	1.2
Accelerating current *1	Arms	5.1
Maximum acceleration *3	G	3.5
Maximum speed *3 *4	m/s	3.0
Repeatable positioning accuracy	COUNT	±1
Maximum payload (horizontal)	kg	30
Maximum payload (wall-mounted)	kg	15
Effective stroke length *5	mm	200 to 1200 (100mm intervals)
Operating temperature	°C	0-40
Operating ambient humidity	%	20-80°C (No condensation)
storage temperature	°C	-20 to 60

*1 Acceleration thrust varies depending on the driver.

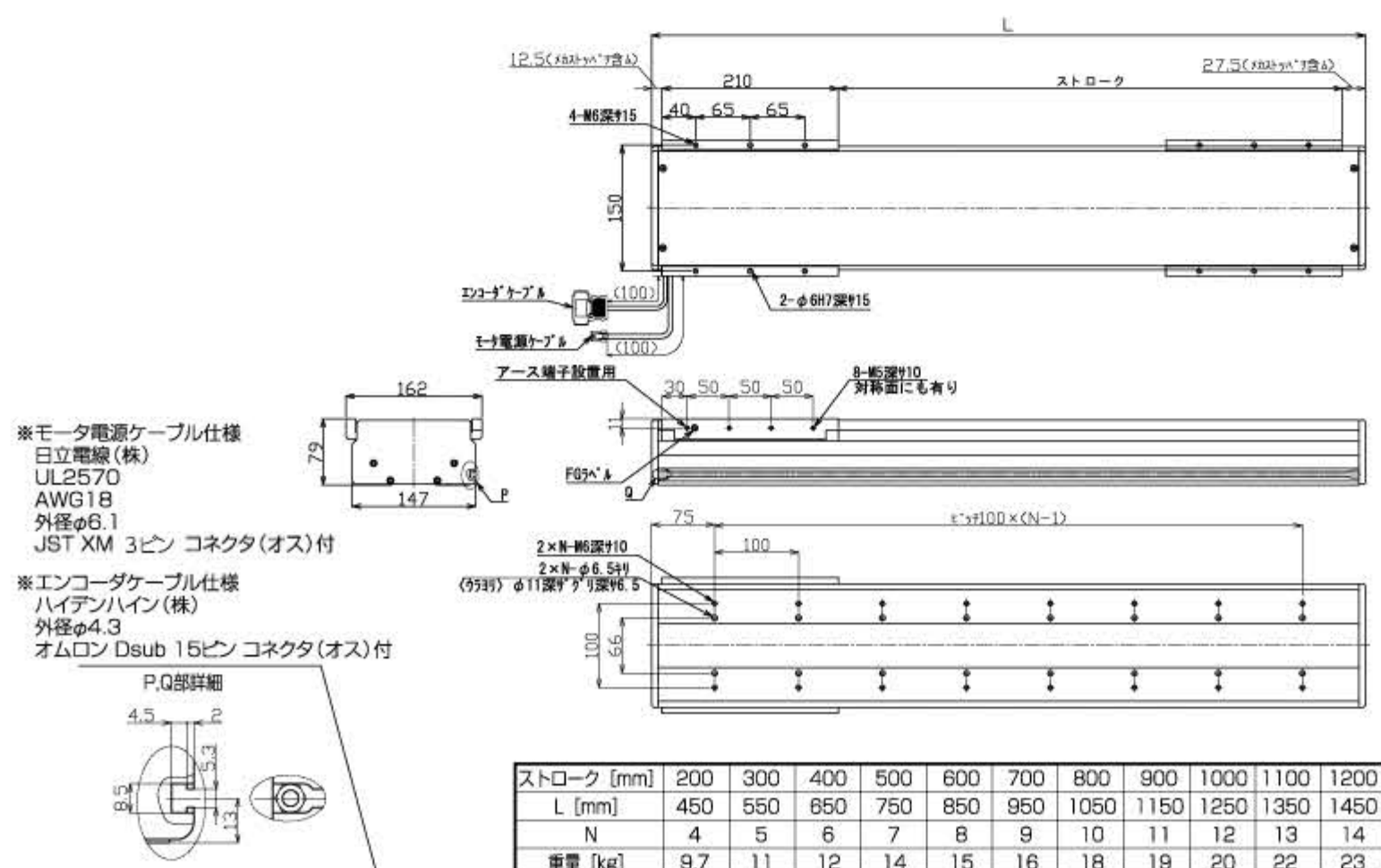
*2 This is the effective current value at which the coil surface temperature rises to 110K.

*3 May not be achievable depending on the load and operating specifications.

*4 May not be achievable depending on the stroke.

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Outline drawing



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- A long, narrow, rectangular metal component, likely a precision ground bar or a specialized tool, shown at an angle. It has a smooth, polished surface and a central longitudinal slot. The component is oriented diagonally across the frame.

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SLP-35S

Single slider type

- Stroke 200mm to 1200mm
- Encoder resolution 0.001mm
- Rated thrust 80N (peak thrust 340N)

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It excels in applications requiring high-speed transport in production lines, as well as in replacements of mechanisms using ball screws, where high-speed response, high-precision positioning is required, and where improved maintainability is desirable.



specification

resolution	mm	0.001 (HEIDENHAIN LIDA279)
Rated thrust	N	185
Acceleration thrust ^{*1}	N	970
Rated current ^{*2}	Arms	2.7
Accelerating current ^{*1}	Arms	14.4
Maximum acceleration ^{*4}	G	3.5
Maximum speed ^{*4 *5}	m/s	3.0
Repeatable positioning accuracy	COUNT	±1
Maximum payload (horizontal)	kg	60
Maximum payload (wall-mounted)	kg	30
Effective stroke length ^{*6}	mm	300 to 1200 (100mm intervals)
Operating temperature	°C	0-40
Operating ambient humidity	%	20-80°C (No condensation)
storage temperature	°C	-20 to 60

*1 Acceleration thrust varies depending on the driver.

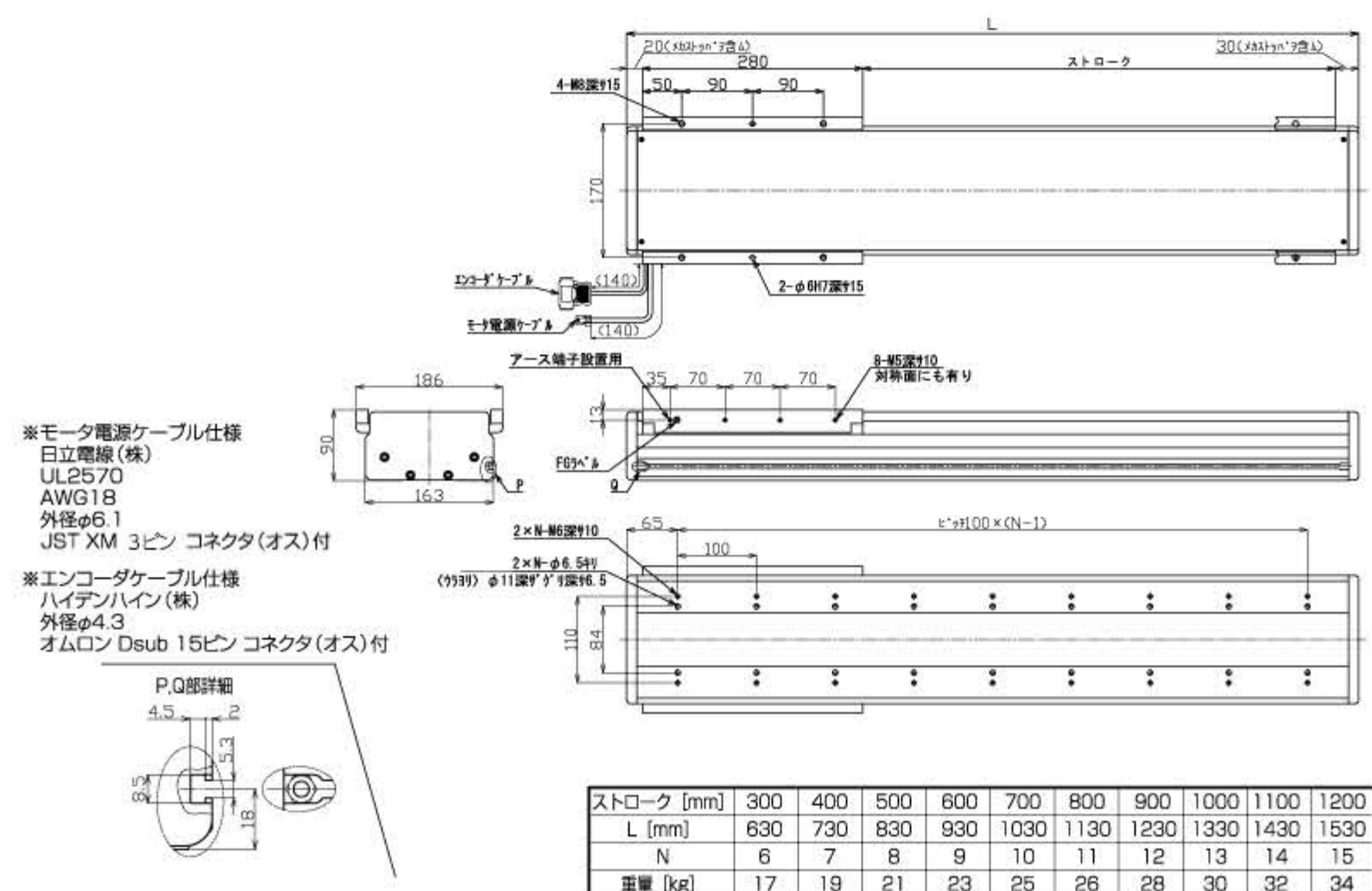
*2 This is the effective current value at which the coil surface temperature rises to 110K.

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*4 May not be achievable depending on the stroke.

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Outline drawing



SLP-35D

Double slider type

- Stroke 300mm to 900mm
- Encoder resolution 0.001mm
- Rated thrust 185N (peak thrust 970N)

A unit-type single-axis stage that easily achieves precision, high-speed linear drive and long stroke.

It excels in applications requiring high-speed transport in production lines, as well as in replacements of mechanisms using ball screws, where high-speed response, high-precision positioning is required, and where improved maintainability is desirable.



specification

resolution	mm	0.001 (HEIDENHAIN LIDA279)
Rated thrust	N	185
Acceleration thrust ^{*1}	N	970
Rated current ^{*2}	Arms	2.7
Accelerating current ^{*1}	Arms	14.4
Maximum acceleration ^{*3}	G	3.5
Maximum speed ^{*3 *4}	m/s	3.0
Repeatable positioning accuracy	COUNT	±1
Maximum payload (horizontal)	kg	60
Maximum payload (wall-mounted)	kg	30
Effective stroke length ^{*5}	mm	300 to 900 (100mm intervals)
Operating temperature	°C	0-40
Operating ambient humidity	%	20-80°C (No condensation)
storage temperature	°C	-20 to 60

- *1 Acceleration thrust varies depending on the driver.
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Outline drawing

