

ENGINEERING DOCUMENTATION

Ball Screw Linear Module Engineering Configuration

Dimensional & Integration Guide

DOCUMENT	REVISION / ISSUE	STATUS
DIG-ES-LA-S04-P08	DRAFT-08 / 29 Aug 2026	Engineering Integration Reference

Integration Overview

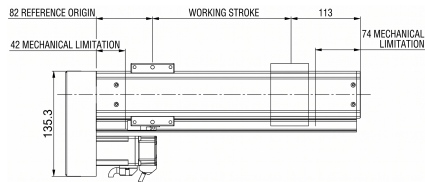
Exact ball-screw linear-module configuration for guided linear motion in automation equipment. This guide supports dimensional layout, mounting, load-path , motor and coupling integration, cable and sensor clearance, maintenance and commissioning for ES-LA-S04-P08.

Key Integration Facts

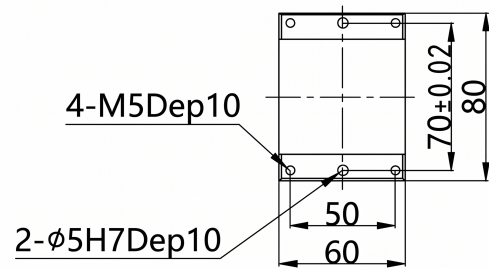
INTEGRATION ITEM	VALUE
Working Stroke	Configuration-dependent (120 records)
Overall Length	
Module Mass	
Mounting Hole Count	
Motor Mounting Style	Configuration-dependent (120 records)
Configured Motor Power	750 W

Product Structure & Views

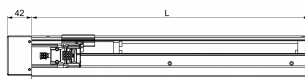
These views present the selected product structure, mounting interfaces and relevant integration geometry for this configuration.



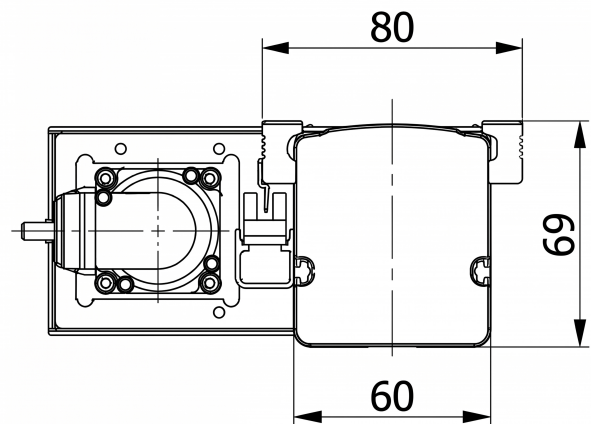
Mechanical View 1



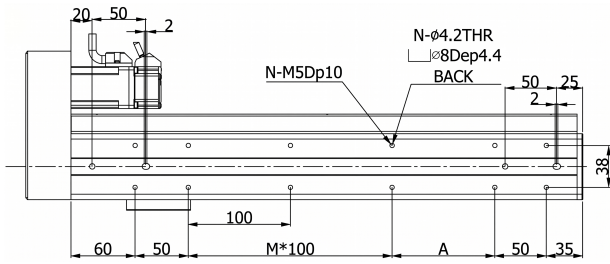
Standard Sliding rack



Mechanical View 3



Mechanical View 4



Mechanical View 5

VIEW	FIELD	VALUE
Mechanical View 1	Reference Origin Position	82 mm from reference origin
	Working Stroke	Working stroke range
	Working Stroke Length	113 mm
	Left Mechanical Limitation Position	42 mm mechanical limit
	Right Mechanical Limitation Position	74 mm mechanical limit
	Overall Height	135.3 mm
Mechanical View 2	Vertical height with tolerance	70±0.02
	Overall height	80
	M5 threaded hole specification	4-M5 Depth 10
	Mounting hole spacing	50
	Dowel pin hole specification	2-ØH7 Depth 10
	Overall width	60
Mechanical View 3	Mounting end width	42 mm
	Overall Length	L (variable, depends on model)
Mechanical View 4	Overall width	80
	Overall height	69
	Bottom width	60

VIEW	FIELD	VALUE
Mechanical View 5	Left protrusion width	20 mm
	Left connector zone length	50 mm
	Connector or shaft offset	2 mm
	Through hole specification	N holes, $\varnothing$ 2 mm through
	Counterbore hole specification	$\varnothing$ mm, depth 4.4 mm
	Threaded hole specification	N holes, M5 threaded, depth 10 mm
	Back side designation	Back side
	Right main body length	50 mm
	Right protrusion width	25 mm
	Right connector offset	2 mm
	Overall height	38 mm
	Bottom mounting hole spacing	100 mm
	Left edge distance	60 mm
	Bottom section segment length	50 mm
	Reference or variable dimension	M × 100 mm (variable)
	Datum A	Datum A
	Right section segment length	50 mm
	Right edge distance	35 mm

Configuration Dimensions

- Each row remains bound to one aggregate source configuration. Compare values by row; do not combine cells from different rows into an assumed module configuration.

Configuration Dimensions

CONFIGURATION	WORKING STROKE	OVERALL LENGTH	MODULE MASS
Configuration 01 - Stroke: 1550 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1550 mm	-	-
Configuration 02 - Stroke: 1700 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1700 mm	-	-
Configuration 03 - Stroke: 1950 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1950 mm	-	-
Configuration 04 - Stroke: 950 mm; Motor mounting: Right Side Motor; Motor power: 750 W	950 mm	1335 mm	71.2 kg
Configuration 05 - Stroke: 1650 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1650 mm	-	-
Configuration 06 - Stroke: 1100 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1100 mm	1497 mm	73.5 kg
Configuration 07 - Stroke: 2000 mm; Motor mounting: Right Side Motor; Motor power: 750 W	2000 mm	-	-
Configuration 08 - Stroke: 1350 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1350 mm	1747 mm	83.5 kg
Configuration 09 - Stroke: 650 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	650 mm	1047 mm	55.5 kg
Configuration 10 - Stroke: 1050 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1050 mm	1435 mm	75.2 kg
Configuration 11 - Stroke: 1850 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1850 mm	-	-
Configuration 12 - Stroke: 250 mm; Motor mounting: Right Side Motor; Motor power: 750 W	250 mm	635 mm	43.2 kg
Configuration 13 - Stroke: 850 mm; Motor mounting: Left Side Motor; Motor power: 750 W	850 mm	1235 mm	67.2 kg
Configuration 14 - Stroke: 850 mm; Motor mounting: Right Side Motor; Motor power: 750 W	850 mm	1235 mm	67.2 kg
Configuration 15 - Stroke: 1600 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1600 mm	-	-
Configuration 16 - Stroke: 400 mm; Motor mounting: Right Side Motor; Motor power: 750 W	400 mm	785 mm	49.2 kg
Configuration 17 - Stroke: 500 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	500 mm	897 mm	49.5 kg
Configuration 18 - Stroke: 1550 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1550 mm	-	-

CONFIGURATION	WORKING STROKE	OVERALL LENGTH	MODULE MASS
Configuration 19 - Stroke: 1100 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1100 mm	1485 mm	77.2 kg
Configuration 20 - Stroke: 1400 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1400 mm	1797 mm	85.5 kg
Configuration 21 - Stroke: 300 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	300 mm	697 mm	41.5 kg
Configuration 22 - Stroke: 1150 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1150 mm	1535 mm	79.2 kg
Configuration 23 - Stroke: 1400 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1400 mm	1785 mm	89.2 kg
Configuration 24 - Stroke: 700 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	700 mm	1097 mm	57.5 kg
Configuration 25 - Stroke: 1250 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1250 mm	1635 mm	83.2 kg
Configuration 26 - Stroke: 1700 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1700 mm	-	-
Configuration 27 - Stroke: 100 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	100 mm	497 mm	33.5 kg
Configuration 28 - Stroke: 150 mm; Motor mounting: Right Side Motor; Motor power: 750 W	150 mm	535 mm	39.2 kg
Configuration 29 - Stroke: 1950 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1950 mm	-	-
Configuration 30 - Stroke: 1000 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1000 mm	1385 mm	73.2 kg
Configuration 31 - Stroke: 50 mm; Motor mounting: Left Side Motor; Motor power: 750 W	50 mm	-	-
Configuration 32 - Stroke: 250 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	250 mm	647 mm	39.5 kg
Configuration 33 - Stroke: 550 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	550 mm	947 mm	51.5 kg
Configuration 34 - Stroke: 1850 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1850 mm	-	-
Configuration 35 - Stroke: 450 mm; Motor mounting: Right Side Motor; Motor power: 750 W	450 mm	835 mm	51.2 kg
Configuration 36 - Stroke: 1850 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1850 mm	-	-
Configuration 37 - Stroke: 350 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	350 mm	747 mm	43.5 kg
Configuration 38 - Stroke: 2000 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	2000 mm	-	-
Configuration 39 - Stroke: 1600 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1600 mm	-	-
Configuration 40 - Stroke: 1150 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1150 mm	1547 mm	75.5 kg
Configuration 41 - Stroke: 300 mm; Motor mounting: Left Side Motor; Motor power: 750 W	300 mm	685 mm	45.2 kg
Configuration 42 - Stroke: 1750 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1750 mm	-	-

CONFIGURATION	WORKING STROKE	OVERALL LENGTH	MODULE MASS
Configuration 43 – Stroke: 600 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	600 mm	997 mm	53.5 kg
Configuration 44 – Stroke: 600 mm; Motor mounting: Right Side Motor; Motor power: 750 W	600 mm	985 mm	57.2 kg
Configuration 45 – Stroke: 1500 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1500 mm	1885 mm	93.2 kg
Configuration 46 – Stroke: 900 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	900 mm	1297 mm	65.5 kg
Configuration 47 – Stroke: 1750 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1750 mm	-	-
Configuration 48 – Stroke: 2000 mm; Motor mounting: Left Side Motor; Motor power: 750 W	2000 mm	-	-
Configuration 49 – Stroke: 650 mm; Motor mounting: Right Side Motor; Motor power: 750 W	650 mm	1035 mm	59.2 kg
Configuration 50 – Stroke: 550 mm; Motor mounting: Right Side Motor; Motor power: 750 W	550 mm	935 mm	55.2 kg
Configuration 51 – Stroke: 950 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	950 mm	1347 mm	67.5 kg
Configuration 52 – Stroke: 1350 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1350 mm	1735 mm	87.2 kg
Configuration 53 – Stroke: 1450 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1450 mm	1847 mm	87.5 kg
Configuration 54 – Stroke: 1450 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1450 mm	1835 mm	91.2 kg
Configuration 55 – Stroke: 850 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	850 mm	1247 mm	63.5 kg
Configuration 56 – Stroke: 1650 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1650 mm	-	-
Configuration 57 – Stroke: 1950 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1950 mm	-	-
Configuration 58 – Stroke: 900 mm; Motor mounting: Right Side Motor; Motor power: 750 W	900 mm	1285 mm	69.2 kg
Configuration 59 – Stroke: 700 mm; Motor mounting: Right Side Motor; Motor power: 750 W	700 mm	1085 mm	61.2 kg
Configuration 60 – Stroke: 50 mm; Motor mounting: Right Side Motor; Motor power: 750 W	50 mm	-	-
Configuration 61 – Stroke: 1250 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1250 mm	1635 mm	83.2 kg
Configuration 62 – Stroke: 1400 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1400 mm	1785 mm	89.2 kg
Configuration 63 – Stroke: 200 mm; Motor mounting: Left Side Motor; Motor power: 750 W	200 mm	585 mm	41.2 kg
Configuration 64 – Stroke: 1300 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1300 mm	1685 mm	85.2 kg
Configuration 65 – Stroke: 1200 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1200 mm	1597 mm	77.5 kg
Configuration 66 – Stroke: 450 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	450 mm	847 mm	47.5 kg

CONFIGURATION	WORKING STROKE	OVERALL LENGTH	MODULE MASS
Configuration 67 - Stroke: 450 mm; Motor mounting: Left Side Motor; Motor power: 750 W	450 mm	835 mm	51.2 kg
Configuration 68 - Stroke: 1300 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1300 mm	1697 mm	81.5 kg
Configuration 69 - Stroke: 1750 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1750 mm	-	-
Configuration 70 - Stroke: 1350 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1350 mm	1735 mm	87.2 kg
Configuration 71 - Stroke: 1300 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1300 mm	1685 mm	85.2 kg
Configuration 72 - Stroke: 650 mm; Motor mounting: Left Side Motor; Motor power: 750 W	650 mm	1035 mm	59.2 kg
Configuration 73 - Stroke: 1500 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1500 mm	1897 mm	89.5 kg
Configuration 74 - Stroke: 800 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	800 mm	1197 mm	61.5 kg
Configuration 75 - Stroke: 1450 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1450 mm	1835 mm	91.2 kg
Configuration 76 - Stroke: 1050 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1050 mm	1435 mm	75.2 kg
Configuration 77 - Stroke: 750 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	750 mm	1147 mm	59.5 kg
Configuration 78 - Stroke: 550 mm; Motor mounting: Left Side Motor; Motor power: 750 W	550 mm	935 mm	55.2 kg
Configuration 79 - Stroke: 350 mm; Motor mounting: Right Side Motor; Motor power: 750 W	350 mm	735 mm	47.2 kg
Configuration 80 - Stroke: 1500 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1500 mm	1885 mm	93.2 kg
Configuration 81 - Stroke: 700 mm; Motor mounting: Left Side Motor; Motor power: 750 W	700 mm	1085 mm	61.2 kg
Configuration 82 - Stroke: 400 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	400 mm	797 mm	45.5 kg
Configuration 83 - Stroke: 1900 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1900 mm	-	-
Configuration 84 - Stroke: 150 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	150 mm	547 mm	35.5 kg
Configuration 85 - Stroke: 1650 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1650 mm	-	-
Configuration 86 - Stroke: 1800 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1800 mm	-	-
Configuration 87 - Stroke: 1050 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1050 mm	1447 mm	71.5 kg
Configuration 88 - Stroke: 1550 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1550 mm	-	-
Configuration 89 - Stroke: 100 mm; Motor mounting: Left Side Motor; Motor power: 750 W	100 mm	485 mm	37.2 kg
Configuration 90 - Stroke: 100 mm; Motor mounting: Right Side Motor; Motor power: 750 W	100 mm	485 mm	37.2 kg

CONFIGURATION	WORKING STROKE	OVERALL LENGTH	MODULE MASS
Configuration 91 - Stroke: 1000 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1000 mm	1397 mm	69.5 kg
Configuration 92 - Stroke: 50 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	50 mm	-	-
Configuration 93 - Stroke: 800 mm; Motor mounting: Right Side Motor; Motor power: 750 W	800 mm	1185 mm	65.2 kg
Configuration 94 - Stroke: 950 mm; Motor mounting: Left Side Motor; Motor power: 750 W	950 mm	1335 mm	71.2 kg
Configuration 95 - Stroke: 150 mm; Motor mounting: Left Side Motor; Motor power: 750 W	150 mm	535 mm	39.2 kg
Configuration 96 - Stroke: 750 mm; Motor mounting: Left Side Motor; Motor power: 750 W	750 mm	1135 mm	63.2 kg
Configuration 97 - Stroke: 200 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	200 mm	597 mm	37.5 kg
Configuration 98 - Stroke: 1200 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1200 mm	1585 mm	81.2 kg
Configuration 99 - Stroke: 1900 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1900 mm	-	-
Configuration 100 - Stroke: 1700 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1700 mm	-	-
Configuration 101 - Stroke: 300 mm; Motor mounting: Right Side Motor; Motor power: 750 W	300 mm	685 mm	45.2 kg
Configuration 102 - Stroke: 500 mm; Motor mounting: Left Side Motor; Motor power: 750 W	500 mm	885 mm	53.2 kg
Configuration 103 - Stroke: 1900 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1900 mm	-	-
Configuration 104 - Stroke: 1800 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1800 mm	-	-
Configuration 105 - Stroke: 1600 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1600 mm	-	-
Configuration 106 - Stroke: 200 mm; Motor mounting: Right Side Motor; Motor power: 750 W	200 mm	585 mm	41.2 kg
Configuration 107 - Stroke: 600 mm; Motor mounting: Left Side Motor; Motor power: 750 W	600 mm	985 mm	57.2 kg
Configuration 108 - Stroke: 900 mm; Motor mounting: Left Side Motor; Motor power: 750 W	900 mm	1285 mm	69.2 kg
Configuration 109 - Stroke: 250 mm; Motor mounting: Left Side Motor; Motor power: 750 W	250 mm	635 mm	43.2 kg
Configuration 110 - Stroke: 750 mm; Motor mounting: Right Side Motor; Motor power: 750 W	750 mm	1135 mm	63.2 kg
Configuration 111 - Stroke: 500 mm; Motor mounting: Right Side Motor; Motor power: 750 W	500 mm	885 mm	53.2 kg
Configuration 112 - Stroke: 1100 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1100 mm	1485 mm	77.2 kg
Configuration 113 - Stroke: 1150 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1150 mm	1535 mm	79.2 kg
Configuration 114 - Stroke: 1000 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1000 mm	1385 mm	73.2 kg

CONFIGURATION	WORKING STROKE	OVERALL LENGTH	MODULE MASS
Configuration 115 – Stroke: 800 mm; Motor mounting: Left Side Motor; Motor power: 750 W	800 mm	1185 mm	65.2 kg
Configuration 116 – Stroke: 400 mm; Motor mounting: Left Side Motor; Motor power: 750 W	400 mm	785 mm	49.2 kg
Configuration 117 – Stroke: 1250 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	1250 mm	1647 mm	79.5 kg
Configuration 118 – Stroke: 350 mm; Motor mounting: Left Side Motor; Motor power: 750 W	350 mm	735 mm	47.2 kg
Configuration 119 – Stroke: 1200 mm; Motor mounting: Right Side Motor; Motor power: 750 W	1200 mm	1585 mm	81.2 kg
Configuration 120 – Stroke: 1800 mm; Motor mounting: Left Side Motor; Motor power: 750 W	1800 mm	-	-

Mounting and Drive Configuration

Mounting and Drive Configuration

CONFIGURATION	MOUNTING HOLE SPACING	MOUNTING HOLE COUNT
Configuration 04 - Stroke: 950 mm; Motor mounting: Right Side Motor; Motor power: 750 W	150 mm	18
Configuration 06 - Stroke: 1100 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	100 mm	20
Configuration 08 - Stroke: 1350 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	150 mm	22
Configuration 09 - Stroke: 650 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	50 mm	16
Configuration 10 - Stroke: 1050 mm; Motor mounting: Right Side Motor; Motor power: 750 W	50 mm	20
Configuration 12 - Stroke: 250 mm; Motor mounting: Right Side Motor; Motor power: 750 W	50 mm	12
Configuration 13 - Stroke: 850 mm; Motor mounting: Left Side Motor; Motor power: 750 W	50 mm	18
Configuration 14 - Stroke: 850 mm; Motor mounting: Right Side Motor; Motor power: 750 W	50 mm	18
Configuration 16 - Stroke: 400 mm; Motor mounting: Right Side Motor; Motor power: 750 W	200 mm	12
Configuration 17 - Stroke: 500 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	100 mm	14
Configuration 19 - Stroke: 1100 mm; Motor mounting: Right Side Motor; Motor power: 750 W	100 mm	20
Configuration 20 - Stroke: 1400 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	200 mm	22
Configuration 21 - Stroke: 300 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	100 mm	12
Configuration 22 - Stroke: 1150 mm; Motor mounting: Right Side Motor; Motor power: 750 W	150 mm	20
Configuration 23 - Stroke: 1400 mm; Motor mounting: Left Side Motor; Motor power: 750 W	200 mm	22
Configuration 24 - Stroke: 700 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	100 mm	16
Configuration 25 - Stroke: 1250 mm; Motor mounting: Left Side Motor; Motor power: 750 W	50 mm	22
Configuration 27 - Stroke: 100 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	100 mm	10
Configuration 28 - Stroke: 150 mm; Motor mounting: Right Side Motor; Motor power: 750 W	150 mm	10
Configuration 30 - Stroke: 1000 mm; Motor mounting: Left Side Motor; Motor power: 750 W	200 mm	18

CONFIGURATION	MOUNTING HOLE SPACING	MOUNTING HOLE COUNT
Configuration 32 - Stroke: 250 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	50 mm	12
Configuration 33 - Stroke: 550 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	150 mm	14
Configuration 35 - Stroke: 450 mm; Motor mounting: Right Side Motor; Motor power: 750 W	50 mm	14
Configuration 37 - Stroke: 350 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	150 mm	12
Configuration 40 - Stroke: 1150 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	150 mm	20
Configuration 41 - Stroke: 300 mm; Motor mounting: Left Side Motor; Motor power: 750 W	100 mm	12
Configuration 43 - Stroke: 600 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	200 mm	14
Configuration 44 - Stroke: 600 mm; Motor mounting: Right Side Motor; Motor power: 750 W	200 mm	14
Configuration 45 - Stroke: 1500 mm; Motor mounting: Left Side Motor; Motor power: 750 W	100 mm	24
Configuration 46 - Stroke: 900 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	100 mm	18
Configuration 49 - Stroke: 650 mm; Motor mounting: Right Side Motor; Motor power: 750 W	50 mm	16
Configuration 50 - Stroke: 550 mm; Motor mounting: Right Side Motor; Motor power: 750 W	150 mm	14
Configuration 51 - Stroke: 950 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	150 mm	18
Configuration 52 - Stroke: 1350 mm; Motor mounting: Right Side Motor; Motor power: 750 W	150 mm	22
Configuration 53 - Stroke: 1450 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	50 mm	24
Configuration 54 - Stroke: 1450 mm; Motor mounting: Left Side Motor; Motor power: 750 W	50 mm	24
Configuration 55 - Stroke: 850 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	50 mm	18
Configuration 58 - Stroke: 900 mm; Motor mounting: Right Side Motor; Motor power: 750 W	100 mm	18
Configuration 59 - Stroke: 700 mm; Motor mounting: Right Side Motor; Motor power: 750 W	100 mm	16
Configuration 61 - Stroke: 1250 mm; Motor mounting: Right Side Motor; Motor power: 750 W	50 mm	22
Configuration 62 - Stroke: 1400 mm; Motor mounting: Right Side Motor; Motor power: 750 W	200 mm	22
Configuration 63 - Stroke: 200 mm; Motor mounting: Left Side Motor; Motor power: 750 W	200 mm	10
Configuration 64 - Stroke: 1300 mm; Motor mounting: Right Side Motor; Motor power: 750 W	100 mm	22
Configuration 65 - Stroke: 1200 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	200 mm	20

CONFIGURATION	MOUNTING HOLE SPACING	MOUNTING HOLE COUNT
Configuration 66 - Stroke: 450 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	50 mm	14
Configuration 67 - Stroke: 450 mm; Motor mounting: Left Side Motor; Motor power: 750 W	50 mm	14
Configuration 68 - Stroke: 1300 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	100 mm	22
Configuration 70 - Stroke: 1350 mm; Motor mounting: Left Side Motor; Motor power: 750 W	150 mm	22
Configuration 71 - Stroke: 1300 mm; Motor mounting: Left Side Motor; Motor power: 750 W	100 mm	22
Configuration 72 - Stroke: 650 mm; Motor mounting: Left Side Motor; Motor power: 750 W	50 mm	16
Configuration 73 - Stroke: 1500 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	100 mm	24
Configuration 74 - Stroke: 800 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	200 mm	16
Configuration 75 - Stroke: 1450 mm; Motor mounting: Right Side Motor; Motor power: 750 W	50 mm	24
Configuration 76 - Stroke: 1050 mm; Motor mounting: Left Side Motor; Motor power: 750 W	50 mm	20
Configuration 77 - Stroke: 750 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	150 mm	16
Configuration 78 - Stroke: 550 mm; Motor mounting: Left Side Motor; Motor power: 750 W	150 mm	14
Configuration 79 - Stroke: 350 mm; Motor mounting: Right Side Motor; Motor power: 750 W	150 mm	12
Configuration 80 - Stroke: 1500 mm; Motor mounting: Right Side Motor; Motor power: 750 W	100 mm	24
Configuration 81 - Stroke: 700 mm; Motor mounting: Left Side Motor; Motor power: 750 W	100 mm	16
Configuration 82 - Stroke: 400 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	200 mm	12
Configuration 84 - Stroke: 150 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	150 mm	10
Configuration 87 - Stroke: 1050 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	50 mm	20
Configuration 89 - Stroke: 100 mm; Motor mounting: Left Side Motor; Motor power: 750 W	100 mm	10
Configuration 90 - Stroke: 100 mm; Motor mounting: Right Side Motor; Motor power: 750 W	100 mm	10
Configuration 91 - Stroke: 1000 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	200 mm	18
Configuration 93 - Stroke: 800 mm; Motor mounting: Right Side Motor; Motor power: 750 W	200 mm	16
Configuration 94 - Stroke: 950 mm; Motor mounting: Left Side Motor; Motor power: 750 W	150 mm	18
Configuration 95 - Stroke: 150 mm; Motor mounting: Left Side Motor; Motor power: 750 W	150 mm	10

CONFIGURATION	MOUNTING HOLE SPACING	MOUNTING HOLE COUNT
Configuration 96 - Stroke: 750 mm; Motor mounting: Left Side Motor; Motor power: 750 W	150 mm	16
Configuration 97 - Stroke: 200 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	200 mm	10
Configuration 98 - Stroke: 1200 mm; Motor mounting: Left Side Motor; Motor power: 750 W	200 mm	20
Configuration 101 - Stroke: 300 mm; Motor mounting: Right Side Motor; Motor power: 750 W	100 mm	12
Configuration 102 - Stroke: 500 mm; Motor mounting: Left Side Motor; Motor power: 750 W	100 mm	14
Configuration 106 - Stroke: 200 mm; Motor mounting: Right Side Motor; Motor power: 750 W	200 mm	10
Configuration 107 - Stroke: 600 mm; Motor mounting: Left Side Motor; Motor power: 750 W	200 mm	14
Configuration 108 - Stroke: 900 mm; Motor mounting: Left Side Motor; Motor power: 750 W	100 mm	18
Configuration 109 - Stroke: 250 mm; Motor mounting: Left Side Motor; Motor power: 750 W	50 mm	12
Configuration 110 - Stroke: 750 mm; Motor mounting: Right Side Motor; Motor power: 750 W	150 mm	16
Configuration 111 - Stroke: 500 mm; Motor mounting: Right Side Motor; Motor power: 750 W	100 mm	14
Configuration 112 - Stroke: 1100 mm; Motor mounting: Left Side Motor; Motor power: 750 W	100 mm	20
Configuration 113 - Stroke: 1150 mm; Motor mounting: Left Side Motor; Motor power: 750 W	150 mm	20
Configuration 114 - Stroke: 1000 mm; Motor mounting: Right Side Motor; Motor power: 750 W	200 mm	18
Configuration 115 - Stroke: 800 mm; Motor mounting: Left Side Motor; Motor power: 750 W	200 mm	16
Configuration 116 - Stroke: 400 mm; Motor mounting: Left Side Motor; Motor power: 750 W	200 mm	12
Configuration 117 - Stroke: 1250 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	50 mm	22
Configuration 118 - Stroke: 350 mm; Motor mounting: Left Side Motor; Motor power: 750 W	150 mm	12
Configuration 119 - Stroke: 1200 mm; Motor mounting: Right Side Motor; Motor power: 750 W	200 mm	20

Motor Interface Configuration

Motor Interface Configuration

CONFIGURATION	MOTOR MOUNTING STYLE
Configuration 01 - Stroke: 1550 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 02 - Stroke: 1700 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 03 - Stroke: 1950 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 04 - Stroke: 950 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 05 - Stroke: 1650 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 06 - Stroke: 1100 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 07 - Stroke: 2000 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 08 - Stroke: 1350 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 09 - Stroke: 650 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 10 - Stroke: 1050 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 11 - Stroke: 1850 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 12 - Stroke: 250 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 13 - Stroke: 850 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 14 - Stroke: 850 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 15 - Stroke: 1600 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 16 - Stroke: 400 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 17 - Stroke: 500 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 18 - Stroke: 1550 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 19 - Stroke: 1100 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 20 - Stroke: 1400 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling

CONFIGURATION	MOTOR MOUNTING STYLE
Configuration 21 - Stroke: 300 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 22 - Stroke: 1150 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 23 - Stroke: 1400 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 24 - Stroke: 700 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 25 - Stroke: 1250 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 26 - Stroke: 1700 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 27 - Stroke: 100 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 28 - Stroke: 150 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 29 - Stroke: 1950 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 30 - Stroke: 1000 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 31 - Stroke: 50 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 32 - Stroke: 250 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 33 - Stroke: 550 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 34 - Stroke: 1850 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 35 - Stroke: 450 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 36 - Stroke: 1850 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 37 - Stroke: 350 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 38 - Stroke: 2000 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 39 - Stroke: 1600 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 40 - Stroke: 1150 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 41 - Stroke: 300 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 42 - Stroke: 1750 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 43 - Stroke: 600 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 44 - Stroke: 600 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor

CONFIGURATION	MOTOR MOUNTING STYLE
Configuration 45 - Stroke: 1500 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 46 - Stroke: 900 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 47 - Stroke: 1750 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 48 - Stroke: 2000 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 49 - Stroke: 650 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 50 - Stroke: 550 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 51 - Stroke: 950 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 52 - Stroke: 1350 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 53 - Stroke: 1450 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 54 - Stroke: 1450 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 55 - Stroke: 850 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 56 - Stroke: 1650 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 57 - Stroke: 1950 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 58 - Stroke: 900 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 59 - Stroke: 700 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 60 - Stroke: 50 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 61 - Stroke: 1250 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 62 - Stroke: 1400 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 63 - Stroke: 200 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 64 - Stroke: 1300 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 65 - Stroke: 1200 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 66 - Stroke: 450 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 67 - Stroke: 450 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 68 - Stroke: 1300 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling

CONFIGURATION	MOTOR MOUNTING STYLE
Configuration 69 - Stroke: 1750 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 70 - Stroke: 1350 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 71 - Stroke: 1300 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 72 - Stroke: 650 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 73 - Stroke: 1500 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 74 - Stroke: 800 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 75 - Stroke: 1450 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 76 - Stroke: 1050 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 77 - Stroke: 750 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 78 - Stroke: 550 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 79 - Stroke: 350 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 80 - Stroke: 1500 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 81 - Stroke: 700 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 82 - Stroke: 400 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 83 - Stroke: 1900 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 84 - Stroke: 150 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 85 - Stroke: 1650 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 86 - Stroke: 1800 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 87 - Stroke: 1050 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 88 - Stroke: 1550 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 89 - Stroke: 100 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 90 - Stroke: 100 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 91 - Stroke: 1000 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 92 - Stroke: 50 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling

CONFIGURATION	MOTOR MOUNTING STYLE
Configuration 93 - Stroke: 800 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 94 - Stroke: 950 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 95 - Stroke: 150 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 96 - Stroke: 750 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 97 - Stroke: 200 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 98 - Stroke: 1200 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 99 - Stroke: 1900 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 100 - Stroke: 1700 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 101 - Stroke: 300 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 102 - Stroke: 500 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 103 - Stroke: 1900 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 104 - Stroke: 1800 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 105 - Stroke: 1600 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 106 - Stroke: 200 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 107 - Stroke: 600 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 108 - Stroke: 900 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 109 - Stroke: 250 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 110 - Stroke: 750 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 111 - Stroke: 500 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 112 - Stroke: 1100 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 113 - Stroke: 1150 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 114 - Stroke: 1000 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 115 - Stroke: 800 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 116 - Stroke: 400 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor

CONFIGURATION	MOTOR MOUNTING STYLE
Configuration 117 - Stroke: 1250 mm; Motor mounting: External Direct Coupling; Motor power: 750 W	External Direct Coupling
Configuration 118 - Stroke: 350 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor
Configuration 119 - Stroke: 1200 mm; Motor mounting: Right Side Motor; Motor power: 750 W	Right Side Motor
Configuration 120 - Stroke: 1800 mm; Motor mounting: Left Side Motor; Motor power: 750 W	Left Side Motor

Overall Dimensions and Mounting Interface

PARAMETER	VALUE	UNIT
Ball Screw Diameter	32	mm

- Confirm this exact SKU, the selected motor-mounting configuration and the applicable mechanical views before using dimensions or interface geometry.
- Keep mounting faces flat, clean and free of burrs, raised holes, debris and coating buildup.
- Reserve assembly, inspection, cable, lubrication and removal access around the module and motor interface.

Load Path and Installation Orientation

- Route axial force through the carriage, supported mounting structure and host guide; include offset, side load, acceleration, shock and emergency-stop cases.
- Validate horizontal, wall and vertical installation loads with the actual payload center, guide spacing, host stiffness and duty cycle.
- Control payload center of gravity and overhung moment; verify the complete installed load path rather than inferring capacity from module mass or size.

Motion and Duty-Cycle Validation

- Validate the complete acceleration, travel, dwell, reversal and stop cycle using the stroke and selected motor configuration.
- Establish speed, acceleration, payload and moment limits from the complete selected module, motor, guide and host calculation.
- Verify temperature and resonance behavior using the installed motor, stroke, load, mounting heat path and operating cycle.

Motor, Coupling and Sensor Integration

PARAMETER	VALUE	UNIT
Configured Motor Power	750	W

- Match the motor mounting style, adapter, configured motor power and interface dimensions before assembly.
- Verify coupling bore, engagement, concentricity, axial position and tightening controls, then check smooth travel at zero energy.
- Provide cable slack, bend radius, strain relief and sensor clearance across the complete motion envelope.

Maintenance, Contamination and Service Envelope

- Prevent chips, fibers, cleaning residue and moisture from entering the ball screw, guide, sensor and coupling interfaces.
- Provide access for lubrication, inspection, sensor adjustment, fastener verification and specified removal.
- Stop and inspect after binding, impact, abnormal noise, rising temperature, unexpected friction or protection damage.

Commissioning and Safety

- Commission in stages with the host guide, limits, guards and cable routing installed; verify each boundary before increasing speed or load.
- At low energy verify travel direction, home and limit behavior, command polarity, stroke and sensor state.
- Verify emergency stop, fault response, recovery behavior and safe holding requirements for the installed orientation.

Integration Checklist

- 01 Confirm the exact SKU, parameters and selected mechanical-view configuration.
- 02 Verify working stroke, overall length, module mass, mounting-hole count and service clearance.
- 03 Establish the complete axial, side-load and moment load path for the host structure.
- 04 Validate horizontal, wall and vertical installation cases using the actual payload center and duty cycle.
- 05 Match motor mounting style, configured motor power, adapter and coupling dimensions.
- 06 Verify coupling alignment, engagement, tightening and smooth travel before applying drive power.
- 07 Provide cable slack, bend radius, strain relief and sensor clearance across the full motion envelope.
- 08 Protect the ball screw, guide, sensors and coupling from contamination and moisture.
- 09 At low energy verify direction, home, limits, stroke, speed and fault-stop behavior.
- 10 Request current 2D, STEP, motor-interface, wiring, lubrication and maintenance data before final integration.

[View SKU Product Datasheet](#) [Request controlled 2D drawing](#) [Request controlled STEP review](#) [Request a Quote](#)

Engineering Use and Verification Notice

01. This Dimensional & Integration Guide applies only to EmbodyStack SKU ES-LA-S04-P08 and is intended for dimensional evaluation and preliminary integration. It is not a applicable manufacturing drawing, module or motor selection approval, payload or safety approval, wiring final integration, machinery risk assessment or integration planning document and must not be used as the sole basis for machining, host-structure design, coupling manufacture, fastener selection, cable assembly or final integration. Before design freeze, assembly or commissioning, verify dimensions, interface geometry, mounting holes, travel and collision envelope, load path, orientation, payload center, speed, acceleration, motor, adapter, coupling, sensors, cable routing, limits, thermal behavior, contamination control and maintenance requirements against the applicable EmbodyStack engineering data for this exact SKU and selected configuration. Where this guide and applicable product documentation differ, the applicable product documentation governs. Validate the complete module, motor, guide, host structure, motion cycle, guarding, fault cases and applicable regulatory requirements under intended operating conditions.