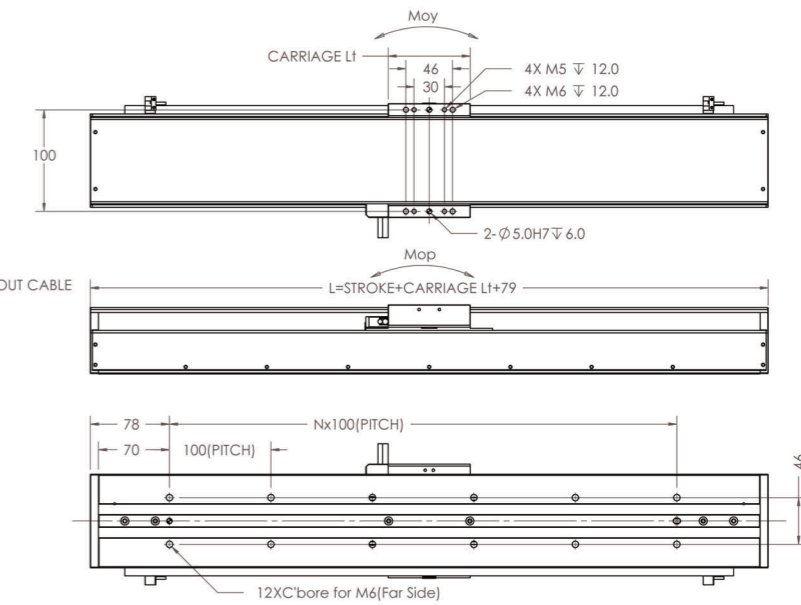
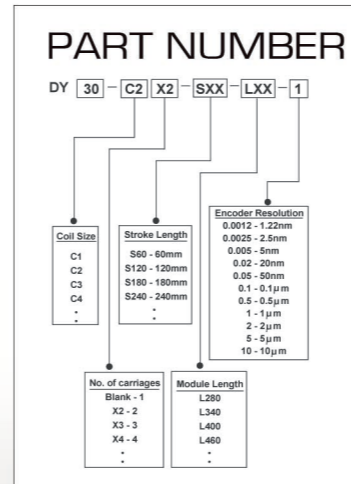
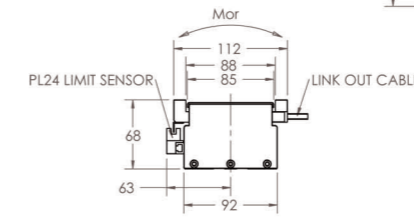




# DY

LINEAR MOTOR MODULE  
DY30 SERIES

COIL TYPE	Lt
C1	81
C2	162
C3	243
C4	324



## DY30 SERIES

Motor Specifications	Units	DY30-C1S	DY30-C2S	DY30-C3S	DY30-C4S
Continuous Force	N	44.4	88.8	133.2	177.6
Peak Force	N	148	296	444	592
Motor Constant	N/SqRt(W)	5.9	8.3	10.2	11.8
Force Constant	N/Arms	14.8	29.6	44.4	59.2
Back EMF Constant	V/(m/s)	17.1	34.2	51.3	68.4
Continuous current	Arms	3	3	3	3
Peak current	Arms	10	10	10	10
Coil Inductance	mH	8	16	24	32
Coil Resistance at 25 C	Ω	6.5	13	19.5	26
Continuous Power	W	56.5	112.9	169.4	225.8
Peak Power	W	627.3	1254	1882	2509
Maximum Carriage Weight	Kg	1.0	1.8	2.6	3.4
Maximum Carriage Length	mm	81	162	243	324
<b>Bearing Loads and Moment Ratings</b>					
Dynamic Load C1	KN	6.8	6.8	6.8	6.8
Static Load CO	KN	10.2	10.2	10.2	10.2
Static Moment Mor	Nm	155	155	155	155
Static Moment Mop	Nm	462	462	462	462
Static Moment Moy	Nm	462	462	462	462

Note: Specification subject to change without prior notice.

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