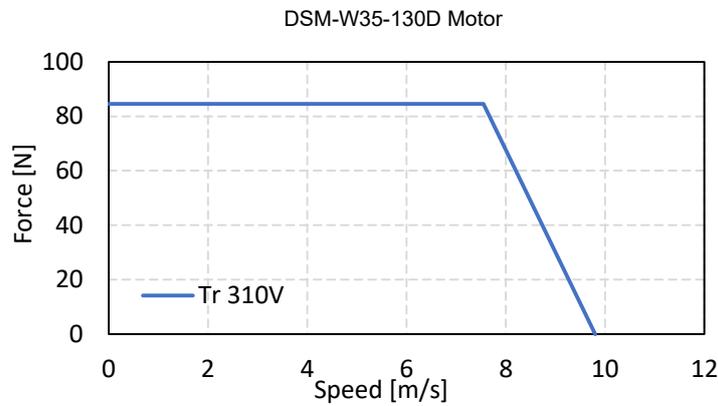
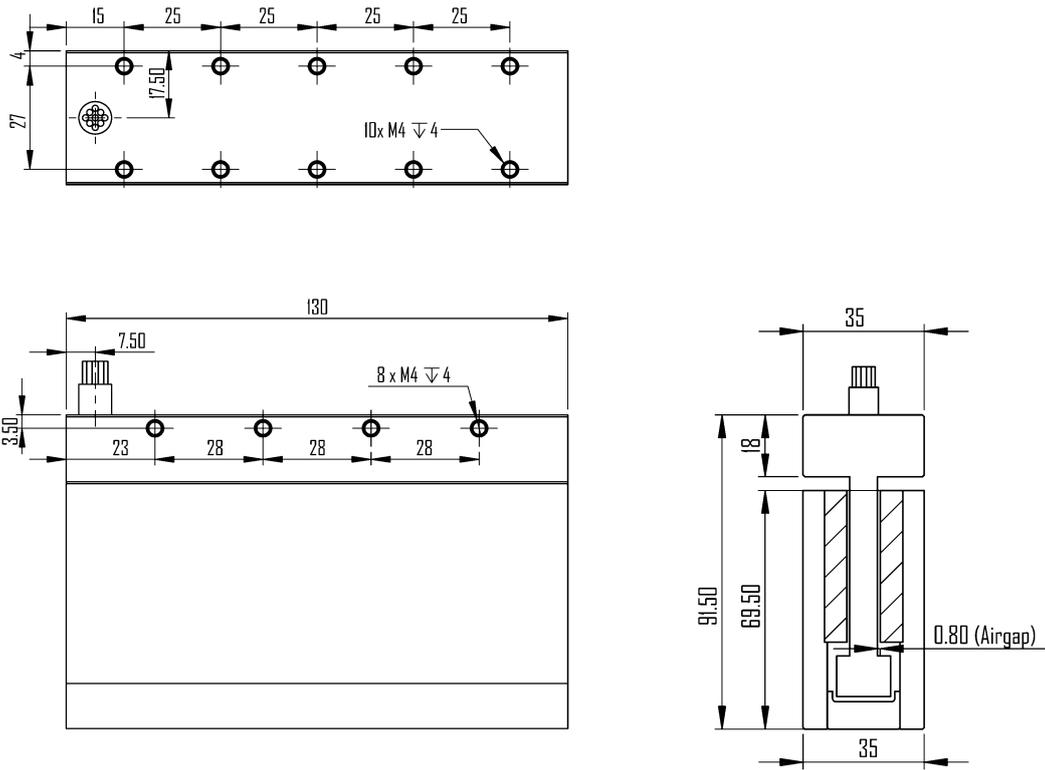


Motor Parameters	Symbols	Units	DSM-W35-130D
PERFORMANCE			
Peak Force	F_p	N	253.5
Continuous Force	F_c	N	84.5
Motor Constant	K_m	N/VW	3.27
ELECTRICAL			
Peak Current	I_p	A_{rms}	6.6
Continuous Current	I_c	A_{rms}	2.2
Force Constant	K_f	N/A_{rms}	38.4
Back EMF Constant	K_v	$V/(m/s)$	31.6
Line Resistance @25°C	R_{LL}	ohm	8.7 ($\pm 20\%$)
Line Inductance (@60Hz)	L_{LL}	mH	9.2 ($\pm 30\%$)
Terminal Voltage	V_{DC}	V	310
Electrical Time Cons.	τ_e	ms	1.1
THERMAL			
Thermal Resistance	R_{th}	$^{\circ}C/W$	1.75
Max. Winding Temp.	T_w	$^{\circ}C$	135
MECHANICAL			
Forcer Length	L	mm	130
Forcer Weight	W_f	kg	0.67
Magnet Pitch	$2\tau_p$	mm	60
Attractive Force	F_a	N	0

DSM-W35 Force-Speed Curves



Coil Assembly



Track Assembly

