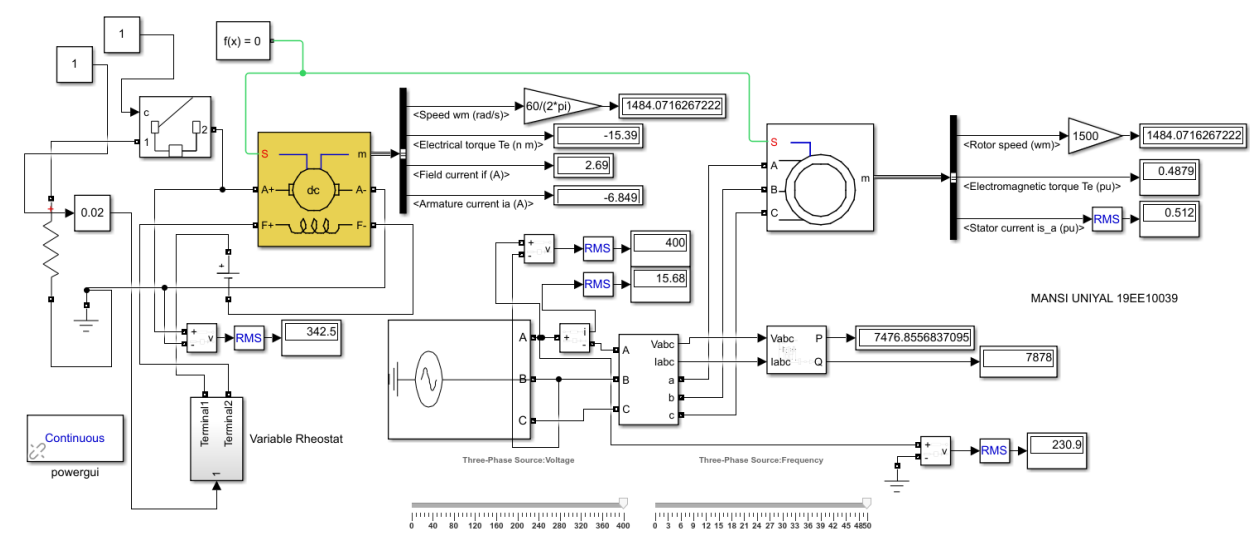


The screenshot displays a Simulink model for a DC motor drive system. The model is organized into three main sections: DC Voltage Source, Three-Phase Source Voltage, and Three-Phase Source Frequency.

- DC Voltage Source:** This section includes a powergui block, a DC voltage source (1), and a DC motor block. The DC motor block is connected to the DC voltage source. The DC motor block outputs various parameters: Speed (rad/s), Electrical torque T_e (N·m), Field current i_f (A), Armature current i_a (A), and Armature voltage v_a (V). The speed output is 1499.370594521 rad/s, the torque output is 1499.370594521 N·m, the field current output is 0.01967 A, the armature current output is 0.3686 A, and the armature voltage output is 349.9 V.
- Three-Phase Source Voltage:** This section includes a three-phase voltage source block. The three-phase voltage source block is connected to the DC motor block. The three-phase voltage source block outputs various parameters: Vabc, Iabc, P, and Q. The Vabc output is 377.1 V, the Iabc output is 7809 A, the P output is 0.01967 pu, and the Q output is 0.3686 pu.
- Three-Phase Source Frequency:** This section includes a three-phase frequency source block. The three-phase frequency source block is connected to the three-phase voltage source block. The three-phase frequency source block outputs various parameters: Vabc, Iabc, P, and Q. The Vabc output is 377.1 V, the Iabc output is 7809 A, the P output is 0.01967 pu, and the Q output is 0.3686 pu.

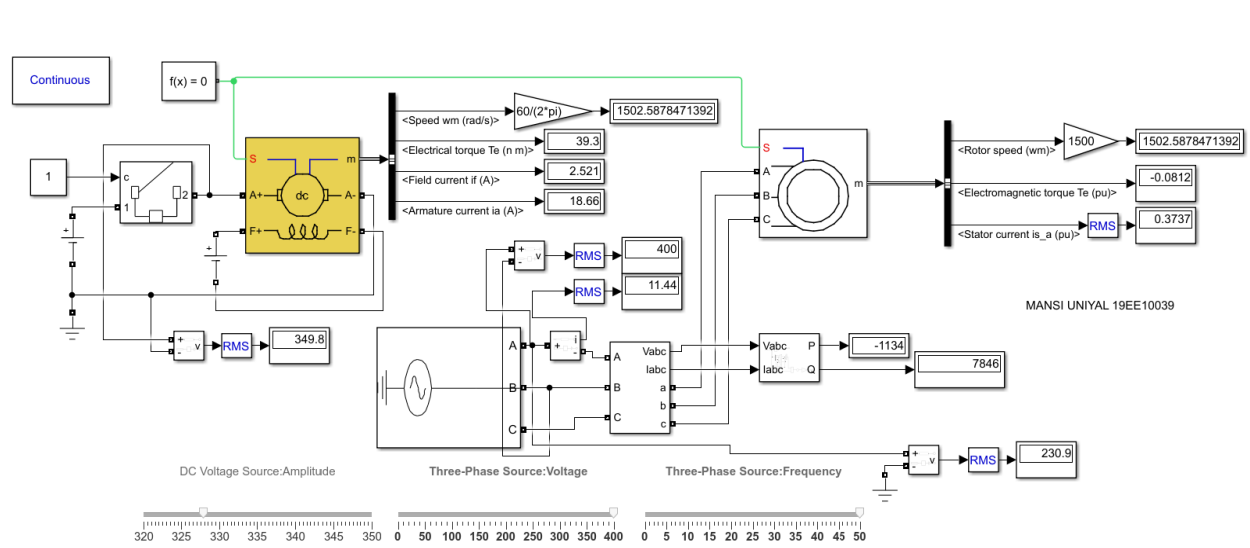
The model is configured to simulate the system's behavior over time. The simulation results are displayed in the scope blocks, showing the time-varying nature of the system's parameters.

LOAD TEST



Induction Motor					DC Motor	
Vph	Iph	Nr(rpm)	Pout(watt)	Te(Nm)	Va	Ia
230.9	15.68	1484.07	7476.86	0.4879	342.5	-6.849

GRID TEST



Induction Motor					DC Motor			
Vph	Iph	Nr(rpm)	Pout(watt)	Te(Nm)	Va	Ia	Vf	If
230.9	11.44	1502.58	-1134	-0.0812	349.8	18.66	327.94	2.521