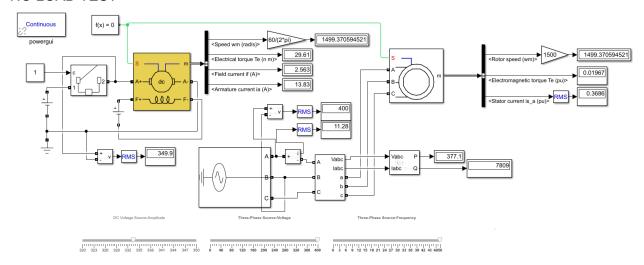
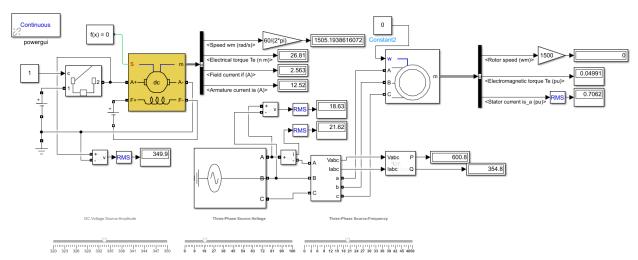
## MANSI UNIYAL 19EE10039

#### NO LOAD TEST



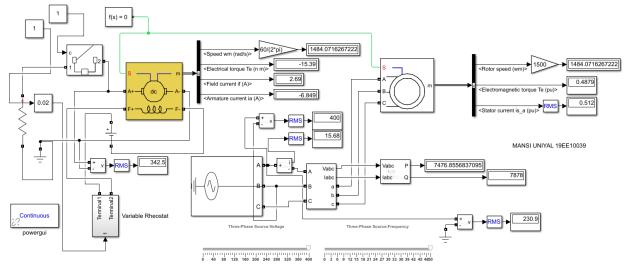
VS,line	IS,line	Pin(3 – φ)	Qin(3 – φ)	Nr
400	11.28	377.1	7809	1499.3706

### **BLOCK ROTOR TEST**



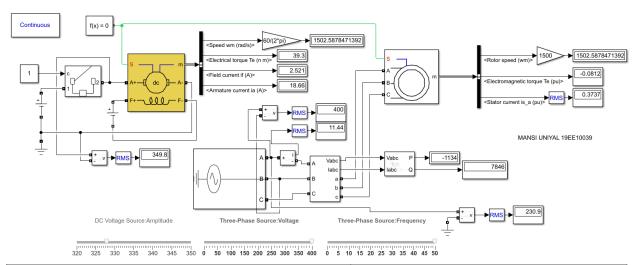
VS,line	IS,line	Pin(3 - φ)	Qin(3 - φ)
18.63	21.62	600.8	354.8

# LOAD TEST



	Induction Motor					DC Motor	
Rload	Vph	lph	Nr(rpm)	Pout(watt)	Te(Nm)	Va	la
30	230.9	17.39	1480.62	9053.78	0.5906	337.4	-11.24
50	230.9	15.68	1484.07	7476.86	0.4879	342.5	-6.849
80	230.9	14.77	1486.04	6571.5	0.4287	345.5	-4.318

#### **GRID TEST**



Induction Motor				DC Motor				
Vph	lph	Nr(rpm)	Pout(watt)	Te(Nm)	Va	la	Vf	If

230.9 11.44 1502.58 -1134	-0.0812 349.	8 18.66	327.94	2.521
---------------------------	--------------	---------	--------	-------