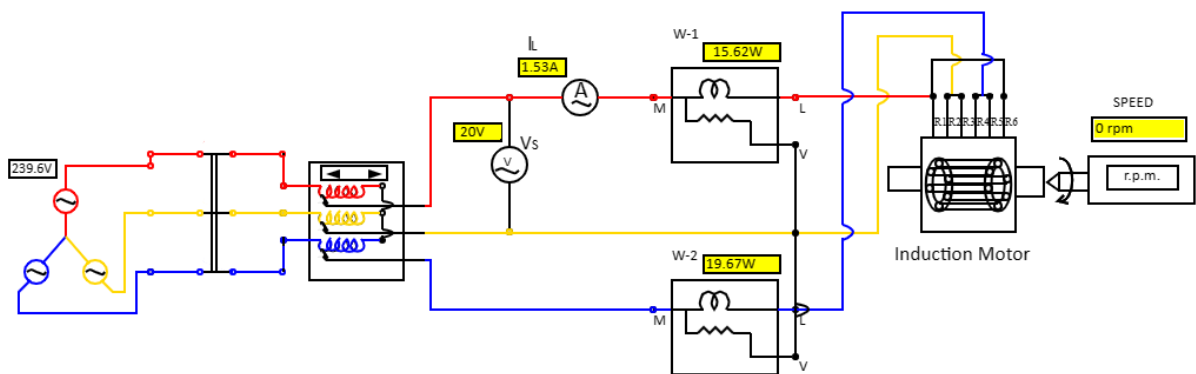


Circuit Diagram: No Load Test of Induction Motor

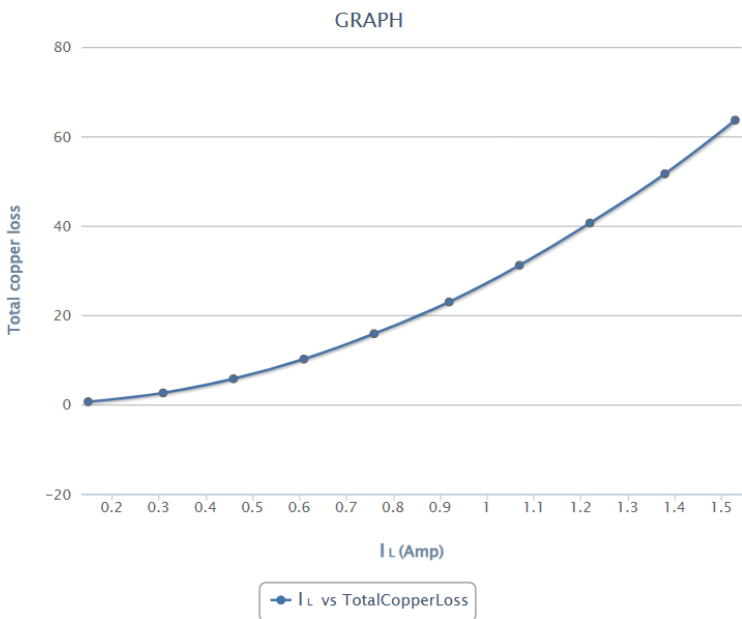


Induction Motor Ratings :

Ratings = 2.2 kW  
Voltage = 415V  
Frequency = 50 Hz  
Speed = 1435 r.p.m.  
p.f. = 0.85  
Winding - Delta

Abbreviations :

Vs = Supply Voltage  
IL = Line Current  
W-1 = first Watt-line ready  
W-2 = Second Watt-line ready



Vs (Volt)	IL (Amp)	W-1 (Watt)	W-2 (Watt)	Speed (r.p.m)	Total copper loss	Rotor angle	i/p Power
2.00	0.15	0.15	0.19	0.00	0.62	29.3	0.45
4.00	0.31	0.63	0.80	0.00	2.57	29.3	1.87
6.00	0.46	1.41	1.77	0.00	5.74	29.3	4.17
8.00	0.61	2.49	3.14	0.00	10.15	29.3	7.37
10.00	0.76	3.88	4.89	0.00	15.82	29.3	11.48
12.00	0.92	5.64	7.10	0.00	22.93	29.3	16.68
14.00	1.07	7.65	9.63	0.00	31.13	29.3	22.63
16.00	1.22	9.97	12.55	0.00	40.59	29.3	29.48
18.00	1.38	12.68	15.97	0.00	51.61	29.3	37.52
20.00	1.53	15.62	19.67	0.00	63.60	29.3	46.22

