T = Net force × 0.06m

P = Q × pressure

Pout = Torque × w

Q = 9.9 × 10⁻³ m³/sec

Date: _____

Diameter of mechanical dynamometer: _____ cm

Flow Volume from measuring tank: 5 litre 5.03 sec

Test No.	Pressure (kg/cm²)	Dynamometer				Results			
		Force							
		Spring Balance1 (gr)	Spring Balance2 (gr)	Net Force (gr)	Speed (rpm)	Torque (N.m)	Input Power (W)	Output Power (W)	Efficiency (%)
1	1	35	30		1695				
2	1	190	550		1444				
3	1	345	1180		1089				
4	1	420	1450		870				
5	1	450	1650		680				
6	1	535	1950		343				
7									
8									
9									
10									

η = Pout / Pin × 100

Diameter of mechanical dynamometer: _____ cm

Flow Volume from measuring tank: 5 litre 5.36 sec

Q = 9.3 × 10⁻⁴ m³/sec

Test No.	Pressure (kg/cm²)	Dynamometer				Results			
		Force							
		Spring Balance1 (gr)	Spring Balance2 (gr)	Net Force (gr)	Speed (rpm)	Torque (N.m)	Input Power (W)	Output Power (W)	Efficiency (%)
1	1.2	35	30		1781				
2	1.2	140	490		1544				
3	1.2	240	900		1330				
4	1.2	320	1200		1132				
5	1.2	425	1600		760				
6	1.2	515	2000		337				
7									
8									
9									
10									

Date: _____

Diameter of mechanical dynamometer: _____ cm

Flow Volume from measuring tank: 5 litre 5.77 sec ($Q = 8.666 \times 10^{-4}\ m^3/sec$)

Test No.	Pressure (kg/cm²)	Dynamometer				Results			
		Force							
		Spring Balance1 (gr)	Spring Balance2 (gr)	Net Force (gr)	Speed (rpm)	Torque (N.m)	Input Power (W)	Output Power (W)	Efficiency (%)
1	1.4	35	30		1963				
2	1.4	100	300		1814				
3	1.4	200	670		1617				
4	1.4	320	1200		1260				
5	1.4	410	1560		956				
6	1.4	530	2000		355				
7									
8									
9									
10									

Diameter of mechanical dynamometer: 10.92 cm

Flow Volume from measuring tank: 5 litre 5.52 sec ($Q = 9.06 \times 10^{-4}\ m^3/sec$)

Test No.	Pressure (kg/cm²)	Dynamometer				Results			
		Force							
		Spring Balance1 (gr)	Spring Balance2 (gr)	Net Force (gr)	Speed (rpm)	Torque (N.m)	Input Power (W)	Output Power (W)	Efficiency (%)
1	1.5	35	70		2010				
2	1.5	150	500		1720				
3	1.5	270	1000		1423				
4	1.5	360	1500		1092				
5	1.5	500	1900		558				
6	1.5	570	2600		384				
7									
8									
9									
10									