

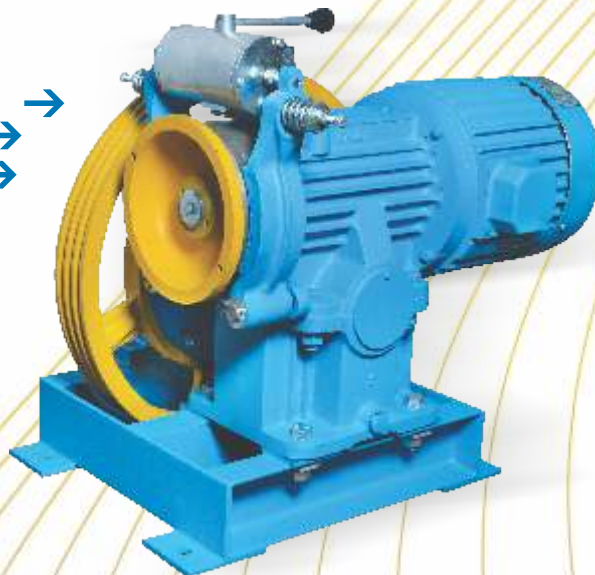


# RAMAN<sup>®</sup>

## ELEVATOR TRACTION MACHINES

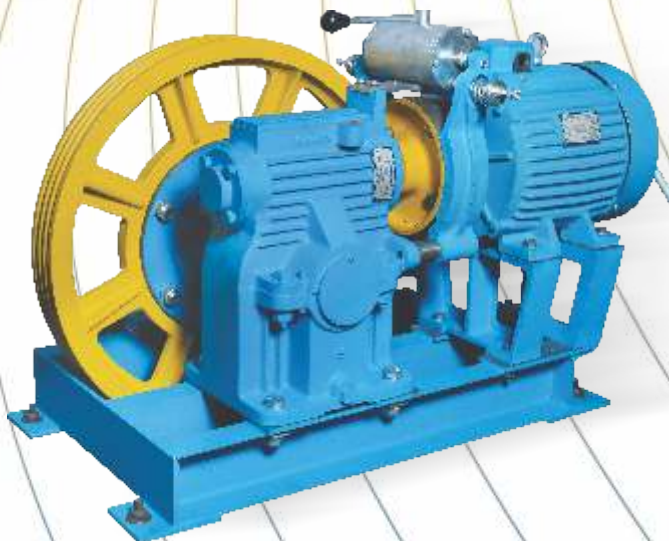
**COMPACT**

RL-05,5,6.



**STANDARD**

RL-05,5,6.



SINCE 1999



## TECHNICAL INFORMATION :

- Motor Voltage 415, 3 Phase, 50 HZ
- Insulation Class 'F'
- Recommended Oil :  
 (1) Indian Oil (Servomesh SP-320)    (2) H.P.C.L. (Parthan EP-320)    (3) B.P.C.L. (AMOCAM-320)    (4) Castrol (Alpha SP-320)
- Oil should be changed after 3 months from the date of installation. Thenafter Oil should be changed every year. One should use only our above recommended Oil.
- In case bad condition of Oil found, it must be changed immediately.

Sr. No.	Model	Static Load (Kg.)	Gear Ratio	No. of Pass.	Load (Kg.)	Speed (m/s)	Roping	Sheave (mm)			Motor			Travel Height (Mtr.)
								Dia	No. Of Ropes	Rope Dia	KW	HP	Pole	
1	RL-05	2000	37/1	1 to 4	272	0.40	1:1	300	3	10	2.2	3	6	20
2	RL-05	2000	37/1	1 to 4	272	0.55	1:1	400	3	10	2.2	3	6	20
3	RL-05	2000	37/1	1 to 4	272	0.65	1:1	520	3	13	2.2	3	6	20
4	RL-05	2000	37/1	5 to 6	408	0.65	1:1	520	3	13	3.7	5	6	20
5	RL-5	3000	40/1	7 to 8	544	0.65	1:1	530	3	13	5.5	7.5	6	20
6	RL-6	4500	40/1	9 to 10	680	0.65	1:1	530	3	13	5.5	7.5	6	20
7	RL-6	4500	40/1	11 to 15	1000	0.65	1:1	530	3	13	7.5	10	6	20

1	RL-5	3000	40/1	5 to 6	408	0.65	1:1	530	3	13	3.7	5	6	30
2	RL-5	3000	40/1	5 to 6	408	1.00	1:1	530	3	13	5.5	7.5	4	30
3	RL-6	4500	40/1	7 to 8	544	0.65	1:1	530	3	13	5.5	7.5	6	30
4	RL-6	4500	40/1	9 to 10	680	0.65	1:1	530	3	13	7.5	10	6	30
5	RL-6	4500	40/1	7 to 10	680	1.00	1:1	530	3	13	7.5	10	4	30
6	RL-7	6500	50/1	11 to 15	1000	0.60	1:1	610	4	13	7.5	10	6	30
7	RL-7	6500	50/1	16 to 20	1360	0.60	1:1	610	4	13	9.3	12.5	6	30
8	RL-8	7500	50/1	21 to 22	1500	0.60	1:1	610	4	13	11	15	6	30
9	RL-9	8300	48/1	23 to 30	2000	0.60	1:1	610	4	13	15	20	6	30

Sr. No.	Model	Static Load (Kg.)	Gear Ratio	No. of Pass.	Load (Kg.)	Speed (m/s)	Roping	Sheave (mm)			Motor			Travel Height (Mtr.)
								Dia	No. Of Ropes	Rope Dia	KW	HP	Pole	
1	RL-5	3000	40/1	11	750	0.32	2:1	530	3	13	3.7	5	6	30
2	RL-5	3000	40/1	11	750	0.50	2:1	530	3	13	5.5	7.5	4	30
3	RL-6	4500	40/1	15	1000	0.32	2:1	530	3	13	5.5	7.5	6	30
4	RL-6	4500	40/1	15	1000	0.50	2:1	530	3	13	7.5	10	4	30
5	RL-7	6500	50/1	30	2000	0.30	2:1	610	4	13	7.5	10	6	30
6	RL-8	7500	50/1	36	2500	0.30	2:1	610	4	13	11	15	6	30
7	RL-9	8300	48/1	45	3000	0.30	2:1	610	4	13	13	17.5	6	30
8	RL-9	8300	48/1	50	3500	0.30	2:1	610	4	13	15	20	6	30

**Please note the following points carefully.**

- Passenger weight is 68 Kg. per person as per Indian Standard
- The parameter in this table bases on the counterweight coefficient 0.50
- Car Weight is about 1.2 time of rated load.
- Table is just for reference to select our machine. You must calculate as per your elevator parameter.
- As innovation is design is continuous, the technical data can be changed without prior notice.

## COMPANY PROFILE

Raman Engineering Co is a well established company since 1999 in the field of manufacturing 'Elevator Traction Machines'. These exclusive conceptually designed machines for passengers elevators ensure smooth and silent operations.

The company is well equipped with the latest state-of-art C.N.C. Machines with accurate & precise digital measuring instruments. Our company has strong capabilities in designing, developing & manufacturing elevator traction machines of high reliability & trouble free performance assured for quality, safety & comfort for Elevators. These ELEVATOR TRACTION MACHINES are available in the range of 150 kg to 3500 kg and relative speed from 0.25 m/s to 1.00 m/s.

The company strictly adheres to BIS Standard Norms. Company's in-house R & D division immediately incorporates the modern-day innovations in design and production before they are apparent in the market.

The most valuable asset of the company is the mutual faith, trust and the ultimate satisfaction of the loyal customers since the inception of the company. They have helped company to emerge as one of the market leaders.



### ELEVATOR TRACTION MACHINE



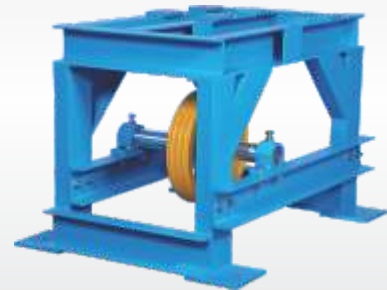
STANDARD MACHINE  
RL-7,8,9.



### COMPACT 3 HP



### TABLE TYPE STAND



## SAFETY DEVICES



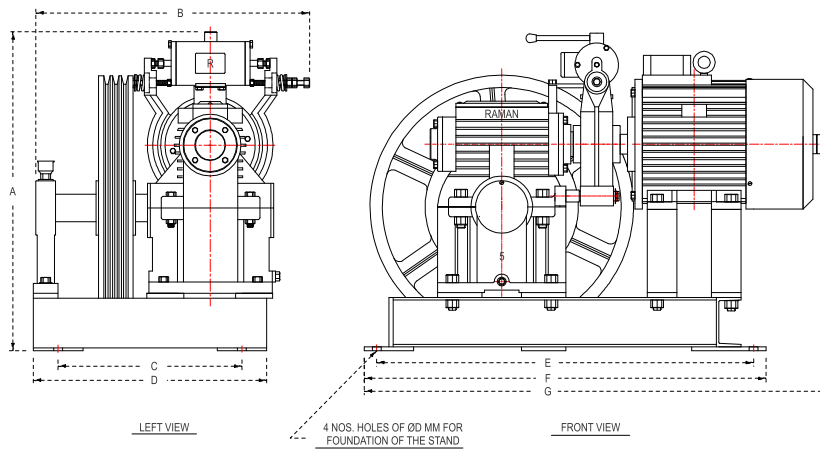
OVERSPEED  
GOVERNOR

DIVERTER  
SHEAVE

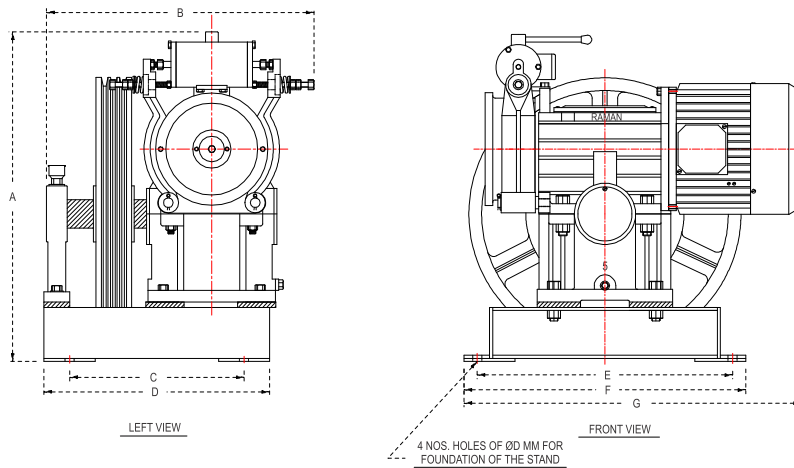




# TECHNICAL DRAWINGS :



	A	B	C	D	E	F	G	ØD
RL-05, 5 HP.	635	495	335	395	765	805	940	14.2
RL-5 (21" SHEAVE)	645	565	370	470	780	830	965	17.5
RL-5 (24" SHEAVE)	645	565	370	470	820	870	1005	17.5



	A	B	C	D	E	F	G	ØD
RL-05, 3 HP.	635	495	335	395	495	535	640	14.2
RL-05, 5 HP.	635	495	335	395	495	535	665	14.2
RL-5	645	540	340	440	505	555	700	17.5
RL-6	670	550	365	465	505	555	765	17.5

NOTE - AS INNOVATION IN DESIGN IS CONTINUOUS, THE TECHNICAL DATA CAN BE CHANGED WITHOUT PRIOR NOTICE.  
ALL DIMENSIONS ARE IN MM.

**RAMAN**<sup>®</sup>

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