

SPECIFICATIONS

- 66,000 pound sheave shaft load
- 1:1 or 2:1 roping
- U-groove for double wrap traction
- Up to 5/8 or 1/2 inch rope diameter
- 1,600 foot per minute (8 m/s) for up to 5,350 pound (2,430 kg) car capacity for 1:1 roped applications
- 800 foot per minute (4 m/s) for up to 10,000 pound (4,550 kg) car capacity for 2:1 roped applications
- Drive Sheave is 26.5" diameter
- Machine weight: 6,800 pounds

FEATURES

- Precise acceleration, deceleration, and contract speed control
- Low noise
- Highly efficient
- Green - no oil lubricants
- Direct drive DC gearless replacement
- Cooler operation
- Dual, independent brakes eliminate external rope brake (each brake set will hold 125% of rated capacity)
- UL/CSA CUS Certified
- Heidenhain ECN 1313 encoder

APPLICATIONS

- Modernization and new construction
- 1:1 or 2:1 roped installations
- High rise or heavy load
- Disassembly options available
- Overhead basement and sidepull applications

FRAME 800 Series: 808-OB

Double Wrap

Frame 800 has the capacity to lift 2,000 to 5,350 lbs. at speeds to 1,600 fpm with 1:1 roping or 3,000 to 10,000 lbs. at speeds to 800 fpm with 2:1 roping.



FRAME 800 Series 1:1 duty table

FPM	700			800			900			1000			1200			1400			1600		
CAPACITY	HP	RPM	AMPS	HP	RPM	AMPS	HP	RPM	AMPS	HP	RPM	AMPS	HP	RPM	AMPS	HP	RPM	AMPS	HP	RPM	AMPS
3000	35.4	100.9	43	40.4	115.3	87	45.5	129.7	87	50.5	144.1	87	60.6	173	87	70.7	201.8	108	80.8	230.6	108
3500	41.2	100.9	51	47.1	115.3	101	53	129.7	101	58.9	144.1	101	70.7	173	101	82.5	201.8	127	94.3	230.6	127
4000	47.1	100.9	58	53.9	115.3	116	60.6	129.7	116	67.3	144.1	116	80.8	173	116	94.3	201.8	145	107.7	230.6	145
4500	53	100.9	65	60.6	115.3	130	68.2	129.7	130	75.8	144.1	130	90.9	173	130	106.1	201.8	163	121.2	230.6	163
5000	58.9	100.9	72	67.3	115.3	145	75.8	129.7	145	84.2	144.1	145	101	173	145	117.8	201.8	181	134.7	230.6	181
5350	63	100.9	77	72.1	115.3	155	81.1	129.7	155	90.1	144.1	155	108.1	173	155	126.1	201.8	193	144.1	230.6	193
Model 808-OB			50% Counterweight. Consult Imperial Electric for lower capacity ratings.																		

FRAME 800 Series 2:1 duty table

FPM	400			500			600			700			800		
CAPACITY	HP	RPM	AMPS	HP	RPM	AMPS	HP	RPM	AMPS	HP	RPM	AMPS	HP	RPM	AMPS
7000	49.9	115.3	107	62.4	144.1	107	74.9	173	107	87.3	201.8	134	99.8	230.6	134
7500	53.5	115.3	115	66.8	144.1	115	80.2	173	115	93.6	201.8	144	107	230.6	144
8000	57	115.3	122	71.3	144.1	122	85.6	173	122	99.8	201.8	153	114.1	230.6	153
8500	60.6	115.3	130	75.8	144.1	130	90.9	173	130	106.1	201.8	163	121.2	230.6	163
9000	64.2	115.3	138	80.2	144.1	138	96.3	173	138	112.3	201.8	172	128.3	230.6	172
9500	67.7	115.3	145	84.7	144.1	145	101.6	173	145	118.5	201.8	182	135.5	230.6	182
10000	71.3	115.3	153	89.1	144.1	153	107	173	153	124.8	201.8	191	142.6	230.6	191
Model 808-OB			50% Counterweight. Consult Imperial Electric for lower capacity ratings.												

Gearless AC Machines

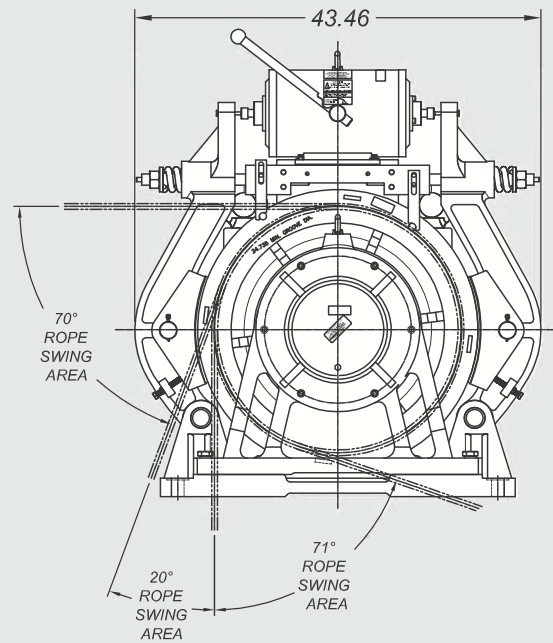
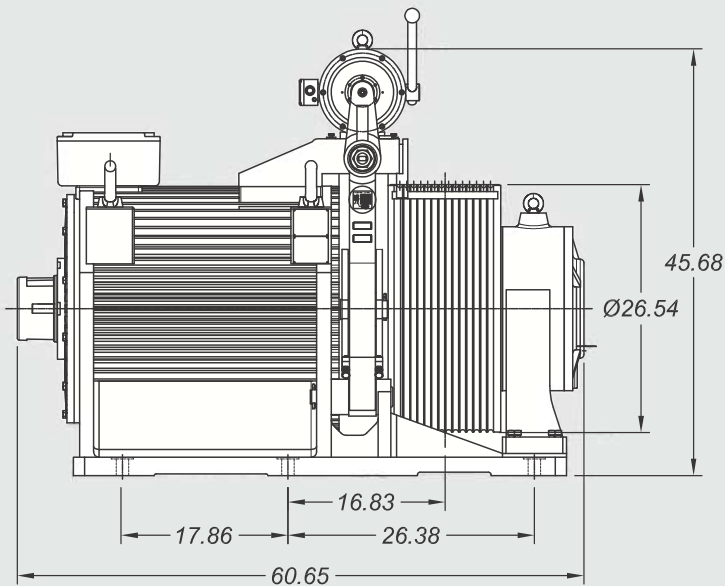
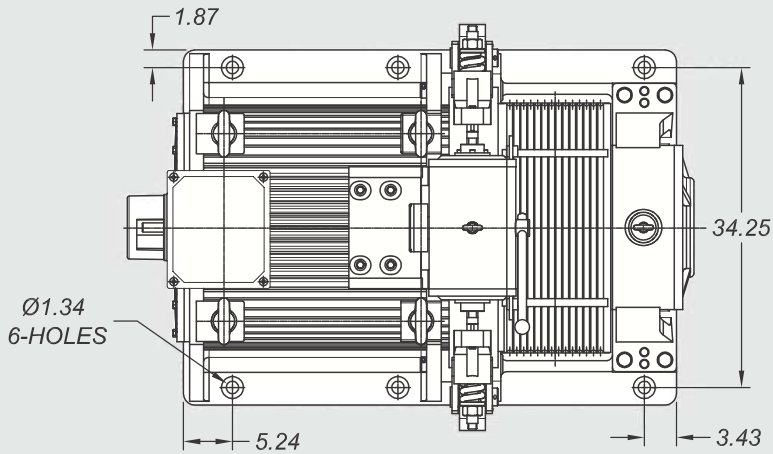
Frame 800 series dimensional diagrams

Model 808-OB

808 OB MACHINE

NOTE:

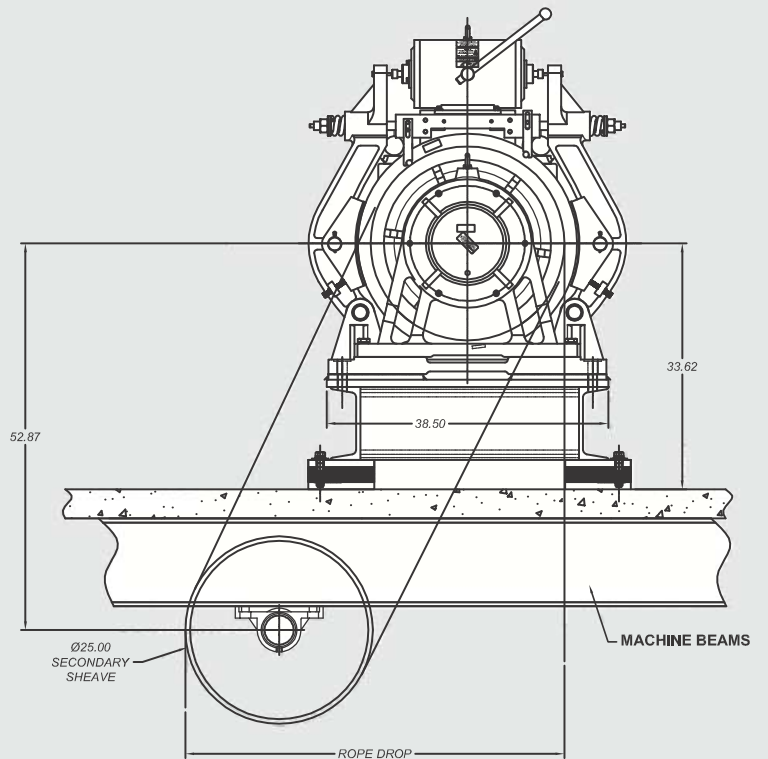
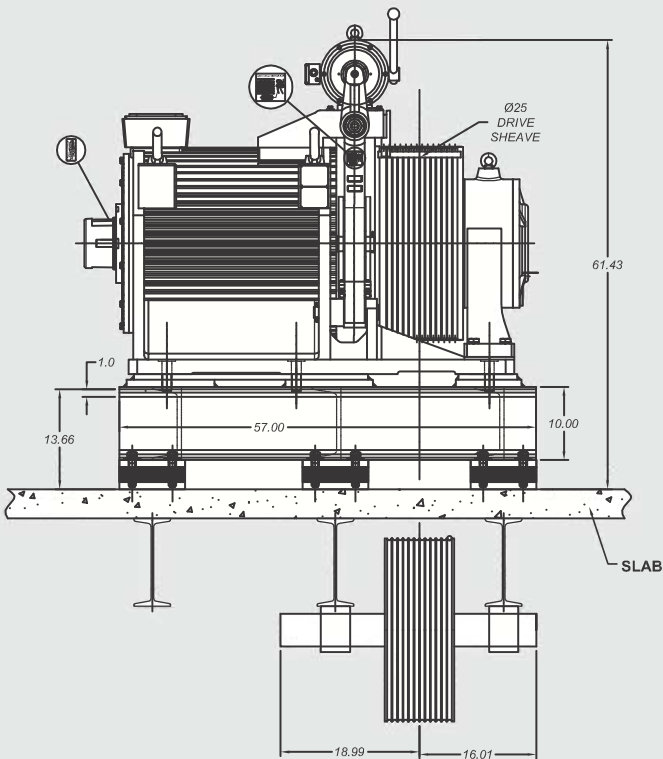
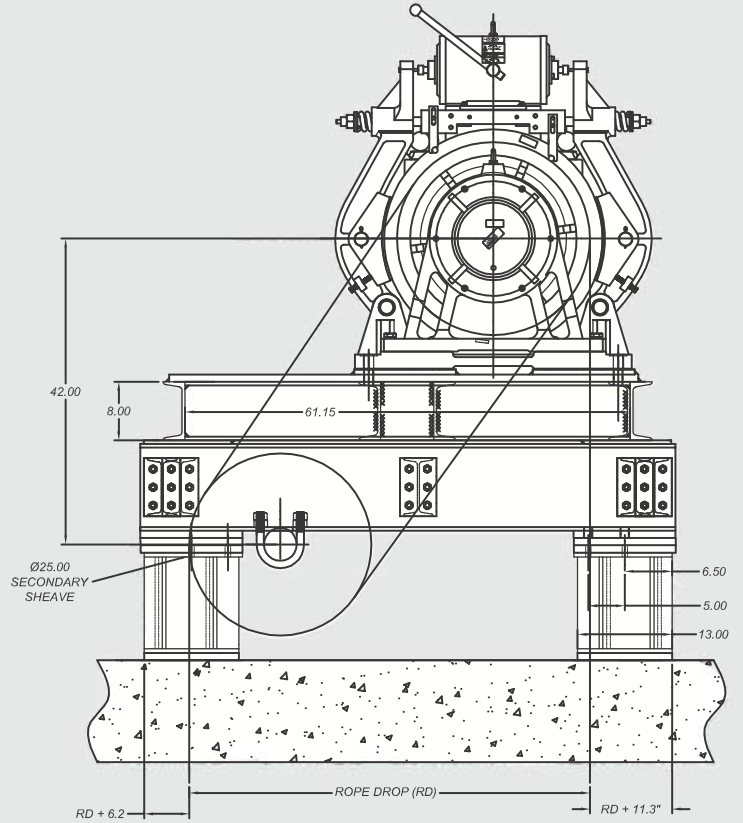
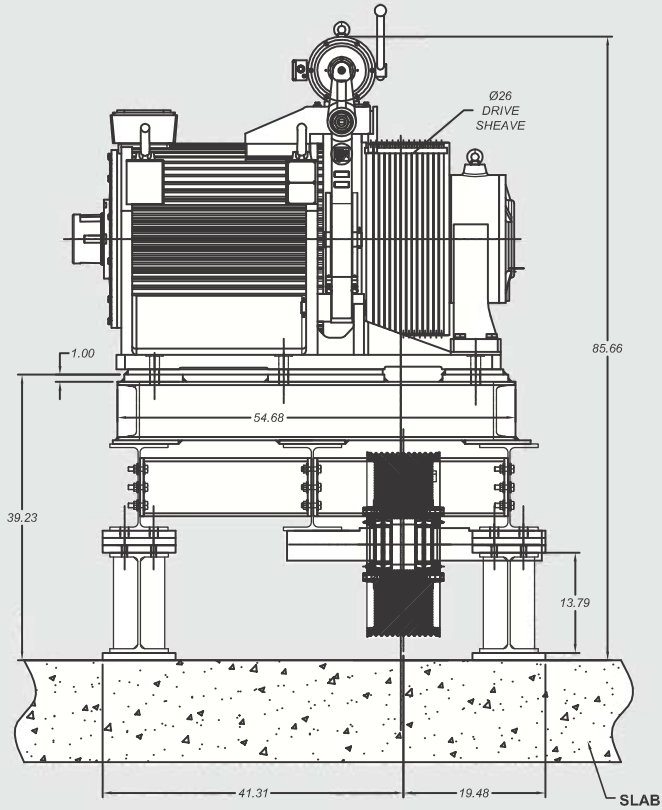
FRAME: 808 OB
 DRIVE SHEAVE: Ø 26.54" WITH
 (16)-1/2" or (14)-5/8" U GROOVES
 MOTOR WEIGHT: 6750 LBS



Gearless AC Machines

Frame 800 series dimensional diagrams

Model 808-OB with base



Note: Contact Imperial Electric for actual dimensions.