

FRAME 470 Series: 472, 475, 478

Single Wrap

Frame 470 has the capacity to lift 1,375 to 4,000 lbs. at 100 to 500 fpm with 2:1 roping.



MODEL 472

- Machine weight: 900 pounds
- 6,600 lbs. maximum sheave shaft load
- 15.75 drive sheave
- 5-10mm undercut U grooves for single wrap
- 682 ft.-lbs. brake torque per shoe

MODEL 475

- Machine weight: 1,050 pounds
- 11,000 lbs. maximum sheave shaft load
- 15.75 drive sheave
- 6-10mm undercut U grooves single wrap
- 734 ft.-lbs. brake torque per shoe

MODEL 478

- Machine weight: 1,350 pounds
- 11,000 lbs. maximum sheave shaft load
- 15.75 drive sheave
- 8-10mm undercut U grooves single wrap
- 1,400 ft.-lbs. brake torque per shoe

MODEL 478 WITH 20" SHEAVE

- Machine weight: 1,400 pounds
- 12,000 lbs. maximum sheave shaft load
- 5 1/2 inch V grooves single wrap
- 1,150 ft.-lbs. brake torque per shoe

BENEFITS

- High efficiency
- Reduced power consumption
- Quieter operation
- Smoother start up
- Compact design
- Improved electrical precision at very low speed
- Nearly maintenance-free

FEATURES

- AC synchronous permanent magnet design
- Machine, traction sheave, brake and encoder provided
- Totally enclosed, self-cooling motor — no fan needed
- Electronically activated double-action brake solenoid
- Heavy duty components and construction
- Sub base with secondary sheave options
- UL/CSA CUS Certified
- Re-greasable bearings

FRAME 470 Series 2:1 duty table

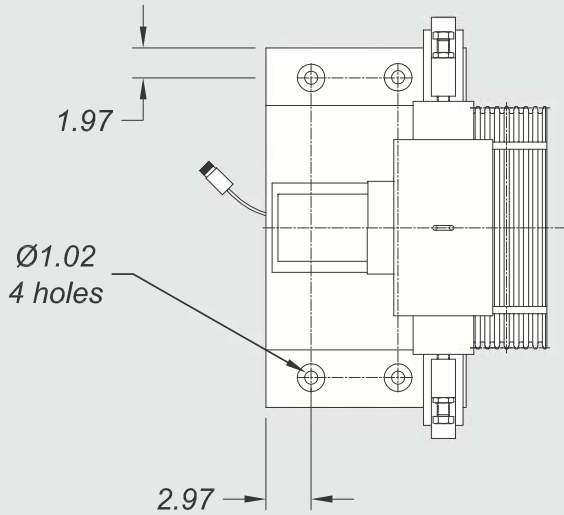
FPM	125		200		300		400		500	
FREQ. (HZ)	10.1		16.2		24.3		32.3		40.4	
RPM	61		97		146		194		243	
CAPACITY	HP	AMPS	HP	AMPS	HP	AMPS	HP	AMPS	HP	AMPS
2000	4.5	10.0	7.1	10.0	10.7	17.0	14.3	22.0	17.8	22.0
2200	4.9	11.0	7.8	11.0	11.8	18.7	15.7	24.2	19.6	24.2
2500	5.6	11.1	8.9	11.1	13.4	17.8	17.8	27.5	22.3	27.5
2750	6.1	12.2	9.8	12.2	14.7	19.6	19.6	30.2	24.5	30.2
3000	6.7	13.4	10.7	13.4	16.0	21.4	21.4	33.0	26.7	33.0
3500	7.8	17.3	12.5	17.3	18.7	28.0	25.0	41.2	31.2	41.2
4000	8.9	19.8	14.3	19.8	21.4	32.0	28.5	47.0	35.7	47.0
Model 472	Model 475				Model 478					

50% counterweight. Consult Imperial Electric for 40% and 45% counterweighting data.

Gearless AC Machines

Frame 400 series dimensional diagrams

Model 478



Model 478

NOTE:

FRAME: 478

DRIVE SHEAVE: 15.75" WITH
(8)- 10mm " GROOVES

MOTOR WEIGHT: 1367 LBS

