

480B

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HELICOPTER CORPORATION





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YOU CAN HAVE IT ALL

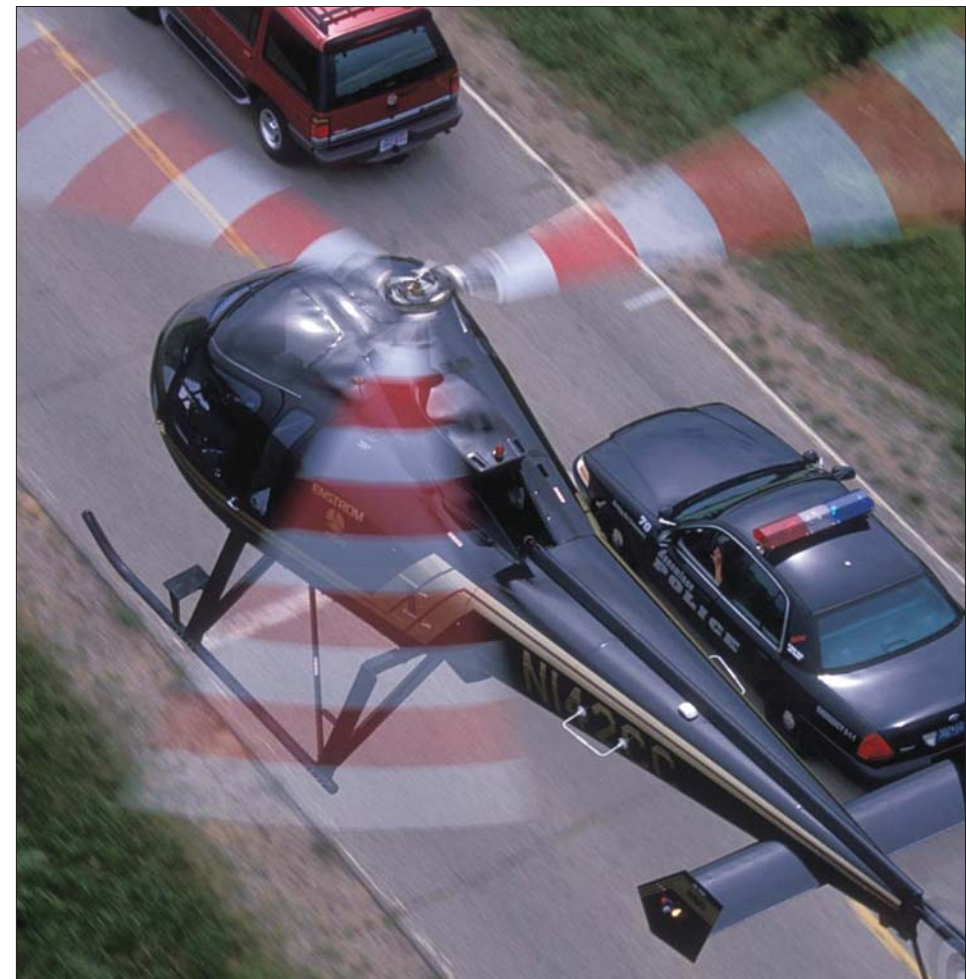
Performance, Style, Safety, Comfort, Value. As the saying goes, you can't have it all. Or can you? Consider the 480B from Enstrom...

From the moment it first turned a rotor, the 480B has set the standard for the light single turbine class. Enstrom has engineered a solid cruise speed, superior range, and a highly flexible cabin all into a package that is an impressive 25% less to acquire and 30% less to operate than the competition; proof that a premium helicopter doesn't have to come at a premium price. A constantly expanding list of options means the 480B can be configured to perform well in almost any application. From corporate transport to cargo hauling; law enforcement work to utility patrol; surveillance flights to training, the Enstrom 480B is the turbine helicopter of choice. In service in over 29 countries around the globe, the 480B can meet the demands of any job, and any environment.

With most helicopters there would be a tradeoff for all that performance and flexibility, but not so with Enstrom. The 480B is one of the safest helicopters in the world. It's fully articulated rotor head has flown over 4,000,000 flight hours (and counting) without a catastrophic failure. The energy absorbing landing gear, rugged design, and high inertia rotor system take the worry out of autorotations. And with only 9 life limited parts on the entire helicopter, the 480B will be racking up flight time while the others are still in the shop. It's that kind of durability that keeps operating costs down; and resale values up.

And finally, you never have to worry about sacrificing quality, or style, with Enstrom. Plush leather interiors, custom paint schemes, and a wide range of available options and avionics means that each 480B will be as unique as the people that own it.

The 480B from Enstrom...You can have it all.





"The comfort inside the 480B rivals that of some automobiles...interior noise levels are low for a helicopter, and visibility is spectacular for all occupants... the wide cabin doors facilitate graceful egress."

- AOPA Pilot

MULTIPLE MISSIONS

one solution





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THE BEST SEAT IN THE HOUSE

With Enstrom, it's possible to combine class leading performance with great looks and exceptional comfort. The 480B's spacious cabin provides the flexibility to carry an extra passenger, extra cargo, or just stretch out and enjoy the view.

The wide open seating area, without any columns, posts, or partitions, eases movement and does not restrict visibility. Adjustable seats and pedals, along with industry leading leg and headroom, mean that the 480B fits the pilot; not the other way around. The extra large cabin, NASA inspired foam seating, panoramic view through the numerous windows, and quiet cabin ensure that passengers will be comfortable as well.

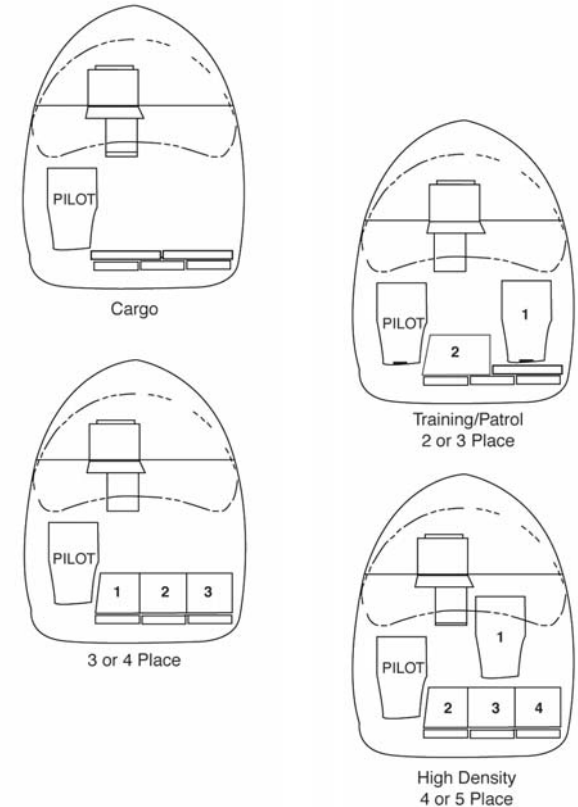
A helicopter isn't truly comfortable unless it's pleasurable to fly. In the 480B, direct, non-boosted controls provide a solid, yet responsive feel. Enstrom's legendary smoothness and stability, along with standard electric trim, mean that the pilot can fly all day without getting tired. For comfort that only comes with peace of mind, Enstrom is the first OEM to offer the optional Chelton Flight Systems 3D Synthetic Vision EFIS glass cockpit, providing the pilot with unparalleled situational awareness.



480B in 3-Place/Dual Control Configuration



480B in 4/5-Place Configuration



"Transformation is easy: seats clip out, controls unlatch, and bench seats along the rear cabin fold down. These are also well padded and handsome in leather - no more jump seats."

- Helicopter World





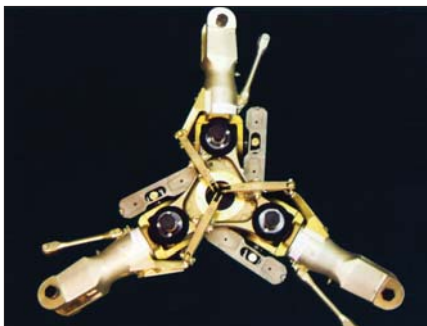
DESIGNED TO PERFORM



- Rolls Royce 250-C20W engine with 420shp (313kw) rating, de-rated to 305shp (227kw) for take-off and 277shp (206kw) continuous.
- Standard swirl tube particle separator removes 93% of dust, sand, snow, or foreign objects in the air inlet, and extends engine life. Intake design precludes flameouts.
- Significant de-rating allows full take-off power up to 13,000' (3962m) or to over 120° F (49° C).



- Unlimited airframe life. Only 9 life-limited parts to track on the entire helicopter.
- Low part prices and excellent availability.
- Transmission overhauls available on an exchange basis for fixed, reasonable prices.
- Extensive international network of service centers and dealers coupled with unparalleled factory support.



- Time proven, fully articulated main rotor system. Over four million flight hours without a catastrophic failure.
- Low disc loading and high rotor inertia yield outstanding autorotational capability.
- An unblocked, high thrust, tail rotor system provides excellent directional control, and no Loss of Tailrotor Effectiveness.
- Control rods routed through the mast provide protection from the elements.

480B and Guardian

Direct Operating Costs

in US dollars

Fuel and Lubricants

Max. Cruise Consump. (27.2 GPH)

Fuel Cost @ \$ 4.00/Gal.

Lubricants @ 3% \$ 111.24

Maint. Labor

.58 Hours/Flight Hour

Cost @ \$ 55/Hour \$ 37.00

Airframe Parts/Overhauls

Component Overhaul \$ 23.04

Reserve for Spare Parts \$ 16.34

Retirement Items \$ 13.08

Reserve for Engine Overhaul \$ 54.50

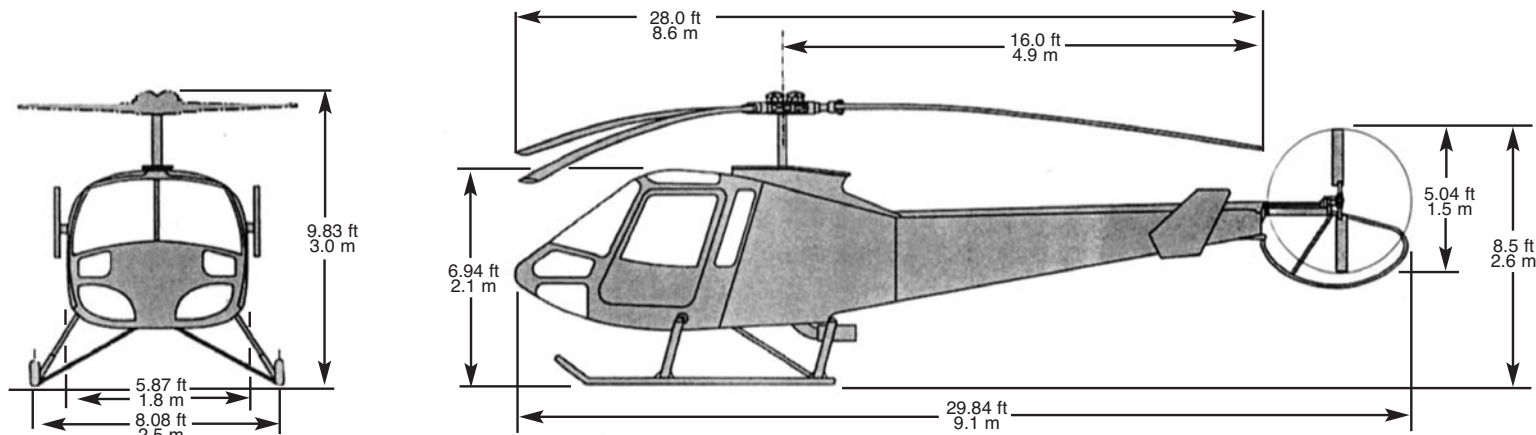
Total D.O.C. \$ 255.90





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SPECIFICATIONS and PERFORMANCE DATA



SPECIFICATIONS

WEIGHTS

Gross Weight	3,000 lbs	1,361 kg
Empty Weight (Std. Equip.)	1,820 lbs	826 kg
Useful Load	1,180 lbs	535 kg

FUEL SYSTEM

2 Interconnected Tanks	90 gal	341 lit
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POWER PLANT

Rolls-Royce 250-C20W Turbine		
Power Available	420 shp	313 kw
Maximum (5 Min.)	305 shp	227 kw
Continuous	277 shp	206 kw
Particle Separator		93% Eff

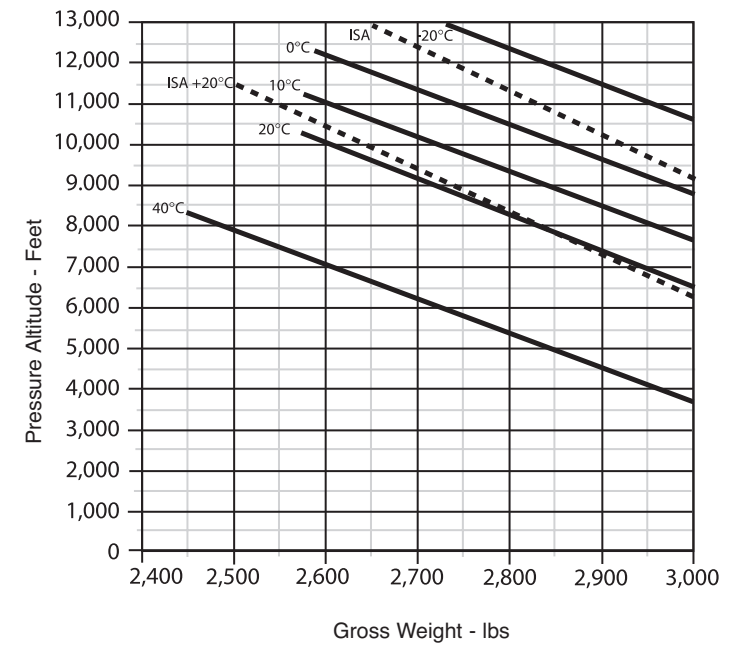
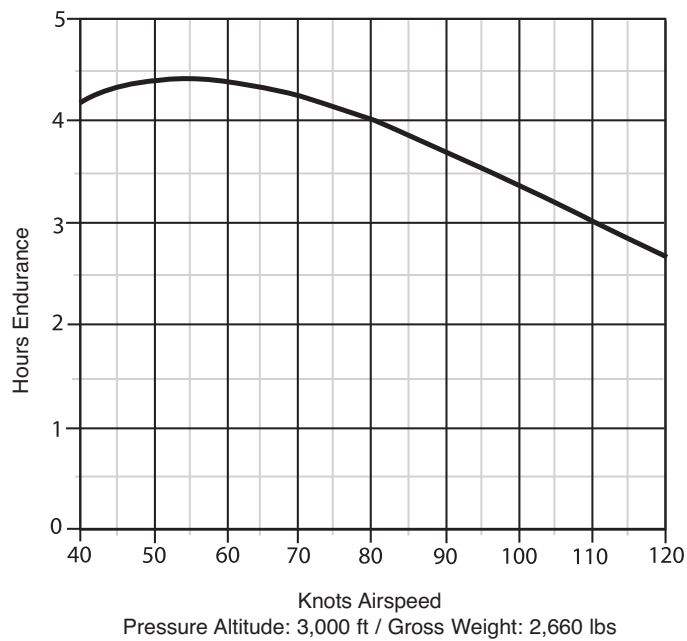
PERFORMANCE

standard day

	2500 lbs (1134 kg)	2800 lbs (1270 kg)	3000 lbs (1361 kg)
Never Exceed Speed	125 kts (231 kph)	125 kts (231 kph)	124 kts (230 kph)
Maximum Cruise Speed (TAS @ 3,000 ft. / 914m)	115 kts (213 kph)	113 kts (209 kph)	109 kts (202 kph)
Service Ceiling	13,000 ft (3,962 m)	13,000 ft (3,962 m)	10,000 ft (3,048 m)
Maximum Rate of Climb @ S/L	1,600 fpm (8.1 m/s)	1,475 fpm (7.5 m/s)	1,375 fpm (7.0 m/s)
Hover Ceilings			
In-Ground Effect (IGE)	15,600 ft (4,755 m)	13,000 ft (3,962 m)	12,300 ft (3,749 m)
Out-of-Ground Effect (OGE)	14,000 ft (4,267 m)	10,600 ft (3,231 m)	5,400 ft (1,646 m)
Range and Endurance (No Reserve)			
Maximum Range @ 3,000 ft (914 m)	370 nm (685 km)	360 nm (667 km)	355 nm (657 km)
Maximum Endurance @ 3,000 ft (914 m)	4.7 hrs	4.6 hrs	4.5 hrs

MISSION WEIGHTS





480B

"The 480B is the smoothest helicopter I've found for shooting photographs."

- Neville Dawson,
Publisher & Chief Photographer,
Heli Ops Int Magazine

"They (go beyond) what they say they'll do when you buy the helicopter. I have been treated great by them."

- Richard Smith, 480B Owner

"...Enstrom's new 480B is ready to be the turbine entry of choice."

- Helicopter World

"I personally loved flying the helicopter. I found it to be responsive and much smoother..."

- Georgina Hunter-Jones,
World Altitude Record Holder in Light Helicopters

"Enstrom's refined turbine single gets a power boost, (and) makes converts of the fixed-wing set."

- AOPA Pilot

"...pleasant to fly, with crisp, balanced controls, more than adequate engine power and plenty of available tail rotor power."

- Flight International

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