MOTORYACHI



THE HOT NEW PERFORMANCE P BIRTH OF A NEW BERTY



TEMPEST FUGIT

Some lessons in what makes a performance boat tick. Our example, class, is the newest Tempest.

BY CAPT, BOB ARMSTRONG



"family" is very and other "offspring"

Sexy? Ummm. Classcome, And that, in a

The 38 Sport's console with a "talking" computer (below)

long enough to give a good show for either a "press ride" or a "sales

same way trip after trip bigger sister, was

President, Adam Erd-

Israel's Technion Institute of Technology, design of high-speed missile boats for the Israeli Navy, and both production and design work at Bertram. With this sort of background, it's reasonable to expect that the Tempost 34 would be well put overther. But what might be and what

The Heart Of The Tempest

The Heart Of The Tempost
Suppost most be reported to the Suppost of the Suppost on Configuration
Configuration of the Suppost with its confidence when the Suppost with its confidence when the Suppost with its confidence when the Suppost of the Suppost of the Suppost of Suppo

ward appearance. The first thing you notice in that the enginess are mounted further forward than you of expect. This is because of the first thing the control of the first thing the first t

the forward with to center of grainty, to put seem weight in that space. Hence, the next thing you'll produce ably notice is a usique mount for the batteries. They six "wp in the six," securely changed to a plane state securely changed to a plane state securely changed to a plane state the regions and directly over the keel, one battery on either side of the one serior. This location of the batteries, when coupled with the weight of the

THE ROAD TO THE T-TORQUE BY DON SHARP

sought the philosopher's stone that would transmute base metals into gold, so have modern marine "philosophers" sought the optimum propulsion system. The search has long been hampered by a commond series necessity, the system that is

best in theory must also work in proficion. In proficion in proficioni

30" to 150" portion of its rotation, and very little anywhere eitie. William Abbert Hickman, of South Boston, Massachusetts, was more interested in hull forms than in propulsion systems, but in seeking (Pieur zum ihr pago) the raw-water intakes for the eigntes, along with their seacocks and strainers, to occupy the same hall area (below the batteries), a location which is ideal for efficiency of both cooling and maintenance.

Then look closely at the intake

and maintenance.

Then book closely at the intake plumbing itself. Each water line has been fined with a tee, secondary valve and hose connection—not your usual arrangement. The Tempest 15% gas regimen are raw-water cooked. Those unsumal "extrain" on the strainers allow you to finth your engines with clean, fresh water at the end of the day's run, a practice which can add day's run, a practice which can add on the process of the contraction of the practice which can be desired to the practice which can add the practice which can be desired to the practice which is the practice which can be desired to the practice which is the practice which

years to their useful life. The custom-designed stainless steel channel system is also raw-water cool-dun are the shaft logs. Water cooling and a special Techno packing enable uponed. Also, in a concession to the domands of performance, there are peopled. Also, in a concession to the domands of performance, there are peopled hard plastic dises in the coupling between gair and shaft, to above much defile to roisonal shock that occurs when the propellers "bloef" againt on reservey. Absorbing the

The engines themselves, one of a several "packages" of feed for the 3 Sport, are the first gas engines to bused in a Tempost (the 44 is discolor by). A pair of 511 Hawks with P-100 beaden, they're capable of putting or shows 540 beauty and

The roa of the mechanical installation is impressive. Habor system: Sandhad, Power sovering sumps on both engines. Standard redundancy. Wirang, Ammerd cables, all manly well, mituge entitiest yee/fileation fashion. Two bigg-blovers, Standard. Three bigg pomps, Sandard. Time tab. Standard. Electric fuel pumps for each engine wired to pressure satisfaces they can only pump fueld of pressured. In fact, the Tereper's engineering standards exceed not only all the current Costs Guard require-

> Why Keylar Costs More i what about the hull itsel bounded was Hull Numb



supposed to be there) hired Erdberg who came-up-with the F-Torque(sight).

and and occletion so operation the distribution of the distributio

Instead, special tools must be used.

This, in turn, means that each piece-of fabric must be pre-cut to fit, using patterns at a cutting table.

Specific details of layup, etc., are



not readily available. Endberg says, with a pleasant smile, but nonetheless obvious sincerity, "I don't want to give away all our secrets." He laught and continues, "But I willted you that the bottom is not a uniform thickness.

re-enter, it's thicker than forward of Stringers in the engine room are ply swood, covered with Keylar. Forward of the engine room, they are not ply swood, because there is no need to as

POWER AND MOTORPACHTURNE 1985 6

tions" are we talking about? The day I ran her, jop speed was approaching 70. We had four people aboard and the was were a gently rolling there feet. Wakes made no difference, and I date say a greater load and moderately rougher sees wouldn't have either. However, one important factor that could make a big difference, and one that is still held in at least a bit of exerces, in the way the drives are exerces. In the way the drives are

secrecy, is the way the drives are propped.

Erdberg admits that since the boat is brand new, he is still "experimenting" to find the best all around compromise. He is also, as with layare details, less than arricious to publicly amounce technical information which could be helpful to potential competition. He does offer that the worse used for our runs were "train-

less steel, four-bladed, not a cleaver, but especiality designed for surface piercing applications, and called a 'chopper.'

He also allows that he tried sixbilided peops that had only 8% sip, which is phenomenal, but that they loaded the engines see much and wouldn't let then turn over 3,000 rpm. That give a speed of about 52 miles per hour, but that's far short of

weadar's let then turn over 3,000 graps. That gave a speed of about 3,2 miles per losus, but that's far short of the best of capabilities and far engines to the best of the speed of a speed of about 3,2 miles per losus, but that's far short of the best of the speed of the speed

more top specu, in it is possible, win call for too much of a low end loss for practicality. Afterall, they only let us do 55 on the highway. Add all the options and the boat I ran would carry a price tag in excess of \$120 thousand. No small tab for "2

nan would carry's price tag in excess of \$170 thousand. As small tab for "a simple dayboat." But the quality of materials, engineering and workmanship, indicate that she will perform as well several years from now as she does today. And you can't put a price tag on reliability of that order.

For more information, contact Tempest Marine, Dept. P&M, 4600 S.W. 44th Ave., Fort Leuderdale, FL THE AMERICAN POWER BOAT ASSOCIATION (A.P.B.A.) HAWK RACING TEAM, AND KIEKHAFFER AFROMARIN

HAWK RACING TEAM, AND KIEKHAEFER AEROMARINE HAVE ONE THING IN COMMON,

TEMPEST 38

