

## F3 FISHING APPLICATIONS



INSHORE



COASTAL



POT FISHING



SPORTFISHING

*“My WASSP F3 not only saves me time, it also saves my fishing gear and makes the effort of all the crew more profitable.”*

– Abel Carreño, Skipper, F/V Romina Segundo, a purse seiner based out of the Spanish port of Portosín

**OUTFIT YOUR FLEET WITH WASSP F3 NOW!**

To add WASSP F-Series technology to your fishing operations, contact your local dealer or email [sales@wassp.com](mailto:sales@wassp.com)

**GET THE EDGE IN  
FISHING WITH THE  
WASSP F3  
FIND IT ALL**



### ALWAYS GOING BEYOND

WASSP is part of the ENL Group. With more than 74 years' experience, we're world leaders in marine sounder, radar and communications.

Based in the marine nation of New Zealand, which has one of the world's largest marine economic zones, ENL invests heavily in R&D to constantly push the boundaries. We develop software and hardware solutions for seabed surveying and mapping, defence, superyachts, commercial fishing and workboats.

Our passion and commitment to real innovation is what sets us apart. We consistently bring game-changing technology to market, with cost-effective products that are easy to operate to make your life at sea easier.



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A FURUND COMPANY



# WHY UNDERSTANDING THE SEAFLOOR GETS YOU A BETTER CATCH

The WASSP F3 Multibeam Sounder is a fishing game-changer. With WASSP's 224 beams, you'll find more fish, more quickly, over a much wider area than with traditional single-beam systems. Even if you're fishing for mid-level schooling fish, the seafloor is the beginning of the food chain. Understanding the seafloor is critical to fishing in all depths of water. The WASSP F3 is purpose-designed for all fishing operations and is ideal for:

- Inshore & coastal
- Pot fishing
- Longlining
- Trawling
- Shellfish dredging
- Fish farms

## SUCCESSFULLY EXPLORE NEW FISHING GROUNDS

Now you can confidently explore new fishing grounds much faster and with greater accuracy. This is especially useful if regulations around fishing grounds change or environmental factors such as weather patterns, storms or current flows affect your usual fishing grounds.

## WASSP IS SUPPORTED IN MORE THAN 30 COUNTRIES

Since the first installation in 2000, WASSP has seen incredible growth in all areas. WASSP is now distributed in more than 30 countries and has been embraced by the commercial fishing, recreational fishing, superyacht, hydrographic, professional workboat, navy and coastguard sectors.

## 10 GREAT BENEFITS OF A WASSP F-SERIES FISHING SYSTEM

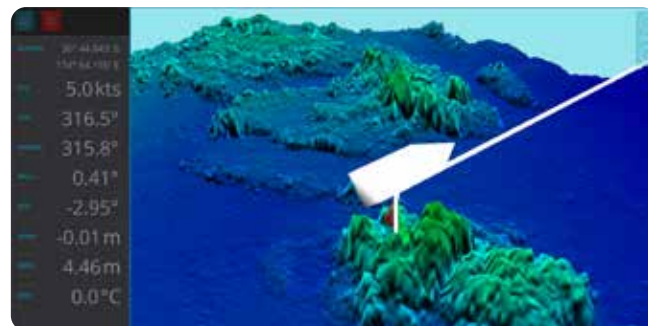
1. Map fish schools faster
2. Save fuel due to less time steaming
3. Successfully explore new fishing grounds
4. Break in new grounds faster and more accurately because you can see what's there
5. Target or avoid hidden underlying rock with bottom hardness information
6. See obstacles and haul in your gear before you foul up, avoiding costly damage
7. Target new grounds you previously thought unfishable
8. Target the school for best efficiency
9. Increase your catch-rate
10. Enjoy faster turnaround and less time spent at sea

## NEW EASY-TO-USE INTERFACE

The WASSP F-Series introduces a new simplified WASSP CDX for control, visualisation and data management, while still providing a comprehensive set of functions to meet your most challenging requirements.

### Integrates with leading software

WASSP systems have been designed to seamlessly integrate with leading software suites such as MaxSea TimeZero Pro and OLEX as well as hydrographic software suites like HYPACK, BeamworX, EIVA, Echoview and QINSY.



## ABOUT THE WASSP F3



DRX-32

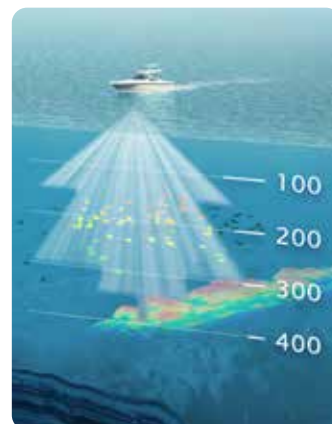
The F3 is a multibeam sounder designed around the fully digital DRX transceiver. It features a low power processor DRX-32, with a high frequency transducer WMB-160 to give you a maximum depth of 400m.

### Get a complete picture of the seafloor

The F3 is accurate, versatile, easy-to-use and scalable to suit your exact needs. With wideband CHIRP technology and 224 beams, you can scan up to a 120-degree swath port-to-starboard for a complete picture of seafloor bathymetry giving you unprecedented clarity.

## F3 FEATURES AND BENEFITS

- Low power DRX-32 processor with a high frequency transducer WMB-160, giving you a maximum depth of 400m.
- Wideband CHIRP technology and multibeam to scan up to a 120-degree swath (up to 3.5 times depth) port-to-starboard.

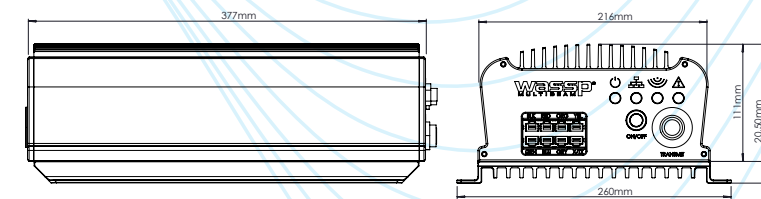


F3 Multibeam Depth Performance:  
Model: F3 (160Khz)  
Max: 400M  
Swath 30°: 350M  
Swath 60°: 300M

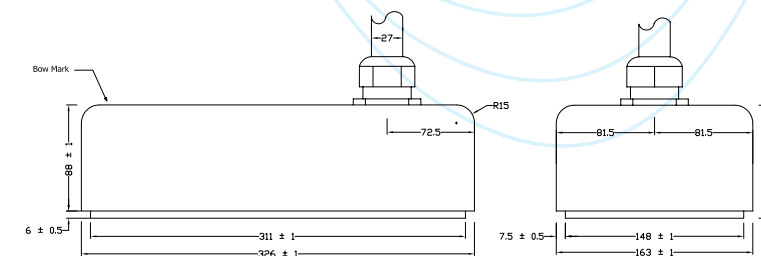
## HIGHLY SENSITIVE WASSP TRANSDUCERS

With the highly sensitive WASSP Wideband Fairing Transducer – 160 and WMB-160 transducers, you get much more depth than similar powered traditional sounders. With processing from very low comparable transmission power WASSP transducers give you very good clarity in both deep and shallow water.

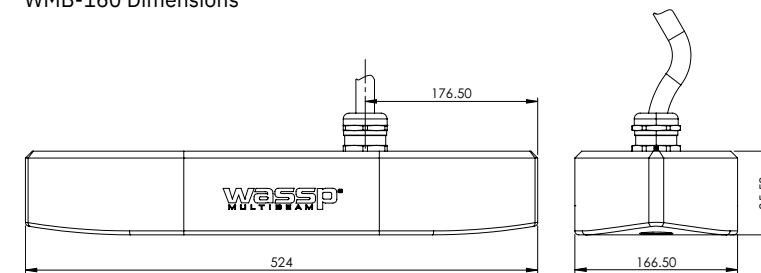
## DIMENSIONS:



DRX-32 Dimensions



WMB-160 Dimensions



Wideband Fairing Transducer – 160 Dimensions

| FULL SPECIFICATIONS                              | F3  |
|--|---|
| Transceiver type                                 | DRX-32                                      |
| Current transducer support                       | WMB-160 / Wideband Fairing Transducer – 160 |
| Minimum depth/m                                  | 1m  |
| Typical depth1/m (90° or 2:1)                    | 300m  |
| Max depth2/m (60° or 1:1)                        | 350m  |
| Sounder depth3/m (nadir)                         | 400m  |
| Swath width /deg                                 | 120°  |
| Signal type                                      | FM/CW                                       |
| Default frequency                                | 160kHz                                      |
| Centre frequency from                            | 120-160kHz                                  |
| Maximum CHIRP frequency range                    | +/-30kHz                                    |
| Frequency from                                   | 90-190kHz                                   |
| Range resolution (max)                           | 2cm   |
| Beam width port/starboard                        | 4°  |
| Beam width fore/aft                              | 3.2°  |
| Sounder beams                                    | 5   |
| DC input   | 9-32V                                       |
| Transducer cable length options                  | 5m, 10m or 20m                              |
| Transducer IP66 connectors                       | Optional                                    |
| Carbon fibre transducer and sensor mount pole    | Optional                                    |
| Wireless antenna kit                             | Optional                                    |
| Operating power consumption (average)            | 30W   |
| Data connection                                  | GbE   |
| Operating temperature                            | 0° to 50°                                   |
| Ingress/water impact                             | IP53 bulkhead-mounted                       |
| Environmental standards                          | IEC60945, MIL-STD-901                       |
| DRX mounted in Pelican case with IP66 connectors | Optional                                    |

Please see product manual for full technical specifications

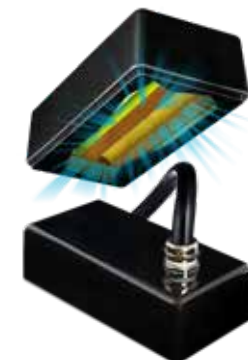
## WMB-160 TRANSDUCER

Like many commercial fishing transducers, the WMB-160 is designed to be mounted in a sea chest. This gives you the flexibility to have a custom-made sea chest for your specific vessel.

## WIDEBAND FAIRING TRANSDUCER – 160

The Wideband Fairing Transducer – 160 has a variable centre frequency and CHIRP bandwidth. It can be mounted externally to the hull with or without a fairing block (no custom-built box is needed). It can be used on many hull materials and is ideal for plastic hulls.

Sea temperature measurement is included. There is the option for a motion sensor to be included inside the Transducer, which means fewer cable runs and an easier install. With its bolt-on design and drag-resistant shape, it's the perfect solution for the end-user. Pole mounting is supplied for side and stern mounting (WASSP Pole mounts will soon be available).



WMB-160 TRANSDUCER



WIDEBAND FAIRING TRANSDUCER – 160

| PC  | RECOMMENDED  |
|---|--|
| OS  | Windows 8.1,10   |
| CPU                                       | 2Ghz, 4 Cores/4 Threads  |
| Memory                                    | 8GB  |
| Graphics                                  | DirectX11  |
| Screen resolution                         | FHD-1920 x 1080  |
| HDD/SSD                                   | 2TB  |
| Network                                   | Ethernet-GbE, WiFi-802.11ac  |
| Dual screen support                       | Yes  |
| FEATURES                                  | F3   |
| <b>INCLUDED</b>                           | Bathy - 2D/3D<br>Sonar<br>Sounder - Quintbeam<br>PPS<br>Key pulse  |
| <b>LICENCED</b><br>(indicative list only) | CDX<br>TIMEZERO interface<br>Olex interface<br>GD-700 interface<br>Backscatter<br>Sidescan<br>Water column targets<br>Interference Management System and Advance Key Pulse<br>RTK Tides<br>Survey<br>XYZ, GSF or Echopilot Data Export<br>Wireless Licence |