

# RAMFAN WF20

## 8"/20cm Portable Ventilator

**RAMFAN**<sup>®</sup>

Safest & Most Powerful Portable Ventilator in the World

### Product Overview

No portable blower in the world compares with the smoke removal rates of the WF20 connected to ducting from 10" to 12". Warships at general quarters require powerful suction to remove smoke from interior spaces. The WF20 suctions the smoke from the affected areas through long lengths of ducting to the outside air.

The WF20 blower uses the water pressure energy of a fire hose and a patented turbine, coupled to a high-efficiency fan blade, to generate high-velocity, high-pressure airflow. The modular construction, choice of corrosion-resistant materials and simplicity assures infrequent and simple maintenance.

The Undisputed Leader: Exhaustive testing during the U.S. Navy evaluations left the WF20 as the uncontested champion of shipboard de-smoking.

### Design and Performance

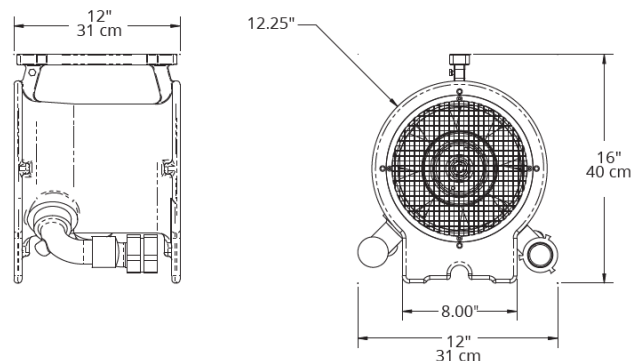
- Standard of the U.S. Navy, Royal Navy, French, ANZAC and others
- Water powered, intrinsically safe
- Operates from the fire mains and overboard drainage
- 4.6 Hp@150psi (3.4 kW@1.0 MPa)
- Dual Purpose: Ducted and Positive Pressure Ventilation
- Water/air couplings to customer specifications

### Specifications

Model	WF20
Part #	ED7002
Ducted Airflow	IMPA Code: 591406
PPV Airflow (with Multiplier)	r 1/3 Hp
Weight	Thermally Protected Motor
Dimensions (h/w/d)	115V, 50/60Hz, 1ø
Pressure/Flow	9.5A / 2.5A
Power	15'/4.6m, 16AWG/1.5mm <sup>2</sup>
Connections	15A NEMA 5-15P
Certifications	74 dB @ 3' (1 m)

Note: Output changes as setback from the opening changes. Single door airflow is per AMCA 240-15 testing. This data derives from 0" static pressure. Real world results will be substantially reduced by structure backpressure. The WF20 tested at 15 ft (4.6 m) setback at 12° tilt and 150psi.

AMCA 240, as defined and tested by the third-party Air Movement and Control Association (AMCA), is tested through a standard area opening which represents a single-door structure opening most often used in fire fighting PPV operations. This test procedure is published and is the most accurate method for PPV airflow testing that currently exists. AMCA's testing center is available to all manufacturers of ventilators for performance verification to this standard. Due to its standardized, published testing procedure and third-party status, this is known internationally as the best testing method for comparing PPV fans. Verify performance data online at AMCA.org.



www.frsa.com.au | admin@frsa.com.au | + 61 7 3209 7422

# RAMFAN WF20

## 8"/20cm Portable Ventilator

**RAMFAN**<sup>®</sup>

Safest & Most Powerful Portable Ventilator in the World

### Order Numbers

Order #	Description
WA5001BSP	WF20 Blower with 1.5" (3.8 cm) BSP Male Connections
WA5001GL	WF20 Blower with 1.5" (3.8 cm) BSP (water)/AFNOR DN 300 Type M duct couplers NATO 4140-99-0
WA5001N	WF20 Blower with 1.5" (3.8 cm) NPSH Male Connections
WA5001NH	WF20 Blower with 1.5" (3.8 cm) NST (NH) Male Connections
4140-01-333-2224	WF20 Kit - U.S. Navy version Blower with 4 x Duct (DT-1015DVI-3) and 2 x Adapters (WA0411)

### Accessories

**Multiplier/Mister** NSN:4140-01-414-0670  
Order# WA0802

**Multiplier/Mister with ZAG Adapter**  
NATO: 4140-01-600-6117 Order#  
WA0802-AFNOR

**Strainer Adapter** For use with BIC, Guillemin and storz couplings  
Order# WA2810

**Blower ZAG adapter** Order# ZAGAY

**Multiplier/Mister ZAG Adapter** Order# ZAGAY-2



Multiplier/Mister



Duct Adapter



Neoprene Duct

### Options

Optional adapter can be fitted with ZAG Ø 300mm connectors for fast hook up and deployment (included in WA5001GL)

Static Cord Clip



Strainer adapter goes from 2.5" BSP to 1.5" BSP included in WA5001BSP & WA5001GL

**Duct** Neoprene Coated; US Navy Standard (10"x15') (25 cm x 4.6 m); US NSN: 4720-01-378-6044; US NSN: 4140-01-457-9527; Order# DT-1015DVI-3

**12" (30 cm) wire reinforced duct** NATO 4130-99-930-5937 Order# WA0721

**Duct Adapter 10" (25 cm) with Snap-Lock** – 2 required/blower NSN: 4730-01-378-5288  
Order# WA0411

**12" (30 cm) for use with belted duct** – 2 required/blower Order# WA0511

**AFNOR DN 300 Type M (French Norm)** Order# WA0711



www.frsa.com.au | admin@frsa.com.au | + 61 7 3209 7422