

# BOSS Oily Water Separators

**CERTIFIED**  
to latest  
**IMO MEPC 107(49)**



## STANDARD 107 MODELS

**For Ships 4000-15000GT**  
**BOSS 11T/107(2.5 m3/hr)**



**For Ships 1600-4000GT**  
**BOSS 5T/107(1.1 m3/hr)**



**For Ships 400-1600GT**  
**BOSS 2.2T/107 (0.5 m3/hr)**



**For Ships 15000GT+**  
**BOSS 25T/107(5.7 m3/hr)**



**For Rigs & Large Ships**  
**BOSS 45T/107(10.2 m3/hr)**

**SIMPLE COST**

**SIMPLE DESIGN**

**SIMPLE INSTALLATION**

**SIMPLE OPERATION**

**SIMPLE MAINTENANCE**

**SIMPLE RELIABILITY**

**SIMPLE EFFICIENCY**

**SIMPLE FILTRATION**

**SIMPLE & SOLID**

# BOSS Oil Water Separators - Specification Sheet 107(49)

<i>Specifications</i>	<i>2.2 GPM</i>	<i>5 GPM</i>	<i>11 GPM</i>	<i>25 GPM</i>	<i>45 GPM</i>
<i>Height (inch/cm)</i>	57 (144)	59 (150)	77 (195)	78 (198)	85 (216)
<i>Width (inch/cm)</i>	27 (69)	31(79)	39 (99)	48 (122)	54 (137)
<i>Depth (inch/cm)</i>	40 (102)	48 (121)	58 (147)	80 (203)	100 (254)
<i>Dry Weight (lbs./kilogram)</i>	470 (213)	775 (351)	1325 (601)	2610 (1184)	3650 (1655)
<i>Wet Weight (lbs./kilogram)</i>	680 (308)	1265 (574)	2350 (1065)	4950 (2245)	7990 (3624)
<i>Capacity gpm/ M<sup>3</sup>/hr</i>	2.2(0.5)	5 (1.1)	11(2.5)	25(5.7)	45(10.2)
<i>Pipe connections In/Out</i>	¾" – ¾"	1" – ¾"	1 ½" – 1"	1 ½" - 1 ½"	2" – 1 ½"

## ALL UNITS

<i>Specifications</i>	<i>Value</i>	<i>Advantage</i>
<i>IMO MEPC Compliance</i>	107(49)	Meets Latest Requirement
<i>Expected Oil in Discharge Water(independent tests)</i>	Less than 3.2 PPM by independent test	Far exceeds the required 15ppm Great for the environment
<i>Emulsion Removal Method</i>	High Capacity Filtration	Simpler/more trouble free than membranes
<i>Expected Filtration Media Life</i>	1 year	Extra long lasting without bypassing
<i>Water Discharge Pressure</i>	90Ft of Head	Designed for any situation
<i>Oil Discharge Pressure</i>	Makeup Water Pressure	Determined by makeup water
<i>Oil Discharge Valve</i>	Standard Check Valve	Optional MOV where Positive Head
<i>Control System Type</i>	Solid Circuit	Increased reliability – No PLC trouble
<i>Control System Interface</i>	6 dry contacts	Easy to interface with ship controls
<i>Test PSIG</i>	45	Quality Construction
<i>Operating Temp Range</i>	1-55 C	Generally not affected by temperature
<i>Max Free Oil Concentration</i>	35%	Large temporary slugs of oil up to 100%
<i>Oil in Water Discharge with TPH</i>	<15 ppm	Can be set to 1-15ppm
<i>Single Phase Power Options</i>	110/120vac 220vac	Any power option 1 phase
<i>Three Phase Power Options</i>	210/220vac 380/415vac 460/480vac 575/600vac	3 phase options to 600VAC
<i>Frequency</i>	50 or 60 Hz	Either frequency no problem
<i>Max Amperage</i>	3.3-7.7 amps	Recommend 15 amp circuit
<i>Max Turbidity for Accurate TPH Reading</i>	35 NTU standard	High Turbidity Options Available
<i>Design Negative Inlet Head (Ft/M)</i>	12 ft./ 3 M	High Lift 5 Meter Option Available
<i>Level Sensor</i>	Conductance	Highly Reliable- Trouble Free
<i>Pump</i>	Centrifugal w SS Housing	Highly Reliable - No emulsions created pump on the discharge side of separator
<i>Coalescing Media</i>	Polypropylene / HDPE	Excellent Coalescing - Very Efficient
<i>Vessel Metallurgy</i>	Carbon Steel	Marine Coated
<i>Coating Specification</i>	Epoxy/Urethane	Highest Quality Coating
<i>Skid / Drip Pan</i>	Standard without skid	Skid or Drip Pan Optional
<i>Piping and Manual Valves</i>	Bronze / Red Brass	Excellent

- NOTES:** 1- Custom designs are available to vary specifications including hazardous area options  
2- Combinations of specs may have pricing implications

**Contact Information:**

