

BRUTE/B Model 107

Marine Oil Water Separator Shipping Dimensions

107 Models	Dimensions (inches)	Cu M (cbm)	Crate Weight (lbs)
BRUTE/B 2.2TY/107	37x32x52	1.00	500
BRUTE/B 2TYM/107	37x32x52	1.00	450
BRUTE/B 2T/107	37x44x58	1.50	600
BRUTE/B 5T/107	37x52x65	2.02	900
BRUTE/B 11T/107	41x63x81	3.33	1450
BRUTE/B 25T/107	45x52x81	3.15	1400
- 25 Polisher	37x36x81	1.70	1600
BRUTE/B 45T/107	57x65x83	4.90	2000
- 45 Polisher	43x42x81	3.61	2200

BRUTE Oily Water Separators

CERTIFIED TO LATEST IMO MEPC 107(49)

Simple & Solid – Design, Cost, Installation, Operation, Maintenance, Reliability, Efficiency, & Filtration



**FOR SHIPS
400-1600GT
BRUTE 2.2T/107
(0.5 m3/hr)**



**FOR SHIPS
1600-4000GT
BRUTE 5T/107
(1.1 m3/hr)**



**FOR SHIPS
4000-15000GT
BRUTE 11T/107
(2.5 m3/hr)**



**FOR SHIPS
15000GT+
BRUTE 25T/107
(5.7 m3/hr)**



**FOR RIGS & LARGE SHIPS
 BRUTE 45T/107
 (10.2 m3/hr)**

BRUTE Oil Water Separators Specification Sheet 107(49)

Specifications	2.2 GPM	5 GPM	11 GPM	25 GPM	45 GPM
Height (inch/cm)	50 (127)	56 (142)	69 (175)	72 (183)	75 (191)
Width (inch/cm)	27 (69)	28 (71)	36 (91)	41 (104)	54 (137)
Depth (inch/cm)	40 (102)	49 (124)	56 (142)	78 (198)	99 (252)
Dry Weight (lbs./kilogram)	450 (204)	725 (329)	1250 (568)	2610 (1184)	3550 (1610)
Wet Weight (lbs./kilogram)	630 (286)	1165 (528)	2220 (1007)	4950 (2245)	7870 (3570)
Capacity gpm/ M ³ /hr	2.2(0.5)	5 (1.1)	11 (2.5)	25(5.7)	45(10.2)
Pipe Connections In/Out	¾" – ¾"	1" – ¾"	1 ½" – 1"	1 ½" -1½"	2" – 1 ½"



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All Units

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

Notes:

*Custom designs are available to vary specifications including hazardous area options.
 Combinations of specs may have pricing implications.*