

# Wärtsilä JOVYBATT

## PRODUCT LEAFLET



Wärtsilä JOVYATLAS manufactures battery cabinets with or without drawer technology. Due to compact design and sophisticated details, all battery cabinets type Wärtsilä JOVYBATT offer maximum space for batteries with a minimum need for floor space. The battery cabinets are of optimum use even in constricted rooms, and due to their successful design they can be optically integrated into existing switchgears. Thanks to the mechanically very stable design, Wärtsilä JOVYBATT BC battery cabinets are particularly suitable for use on ships, in industry, but also for opencast mining e.g..

### **ROBUST BATTERY CABINETS APPLICABLE FOR INDUSTRIAL AREAS OR ON-BOARD OF VESSELS E.G.**

The battery cabinet designed by Wärtsilä JOVYATLAS are characterized by high mechanical strength, safe contact protection (no unprotected, open accessibility to the batteries' contacts), very easy access to all monitoring equipment and quick and easy installation of battery. The efficient design with battery drawers saves time and money in case of battery replacement or maintenance. Specific customer requirements, such as the installation of an air conditioning for example, are easily realizable. The installation of air conditioning in the front or in the roof allows the use of the battery cabinet even in warm areas (production halls) without any affection of the temperature increases onto battery lifetime.

### **BATTERY CABINETS WITH DRAWERS OFFER HIGHEST OPERATING COMFORT**

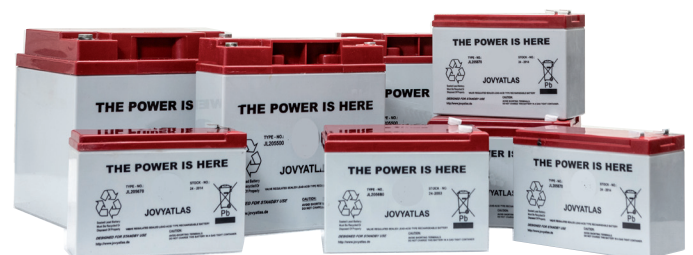
The drawers are manufactured individually for each type of battery. Through the use of interstitial profiles of synthetic material (rib multiwall sheets) a vastly improved heat dissipation is ensured which benefits the batteries' life times. The internal mechanism is optimized for AGM batteries of type Wärtsilä JOVYBYTT JL, but can be adapted for each AGM, too. Even fully laden with batteries the battery cabinets type BC are easily to transport with a forklift truck. To accommodate large amounts and weights of batteries the battery cabinets are equipped with very stable bases of u-profiles. After installation, the profiles are covered with perforated panels to ensure air convection.

With the battery cabinet of the type BC a maximum capacity of 64 x 26 Ah per rack is realizable. To increase capacity, multiple cabinets are needed. It's not necessary to connect these multiple cabinets in next-another position because each battery cabinet is equipped with a separate battery breaker. Thereby a great deal of flexibility in consideration of the available space is provided.

### **WÄRTSILÄ JOVYBATT JL - AGM-BATTERIES**

We recommend the use of the reliable and maintenance-free AGM batteries of the Wärtsilä series JOVYBATT JL (AGM batteries, Absorbent Glass Mat, absorbable micro-glass fleece).

The batteries are available in different battery sizes. The batteries are maintenance free and have a service life of 10-12 years according to EUROBAT. The Wärtsilä JOVYBATT JL batteries have a very low variance in their performance parameters and due to the very good high-current characteristics they are particularly well suited for use in UPS systems with high power ratings and short bridging times.



**TYPE OVERVIEW**

Battery cabinets without drawers	Number	Number	Dimensions	Weight
	of batteries	Battery-layers	W x H x D [mm]	[kg]
BM1	6 x 12V/7,2 Ah	-	152x238x420	6,7
BM2	12 x 12V/7,2 Ah	-	225x360x425	12,5
BM3	46 x 12V/7,2 Ah	-	280x680x630	25
B10ES	see mounting options	4	520x1200x789	84
B11ES	see mounting options	5	520x1340x789	98
B12	see mounting options	10	910x1620x810	125
B13	see mounting options	10	910x1820x810	140
B14	see mounting options	10	1072x1900x910	170

Battery cabinets with drawers	Number of batteries	Dimensions		Weight
		W x H x D [mm]		incl. batt. [kg]
BC2055101	32 x 26 Ah	600 x 1900 x 800		400
BC2055102	64 x 26 Ah	600 x 1900 x 800		700
BC2055103	96 x 26 Ah	1200 x 1900 x 800		1100
BC2055104	128 x 26 Ah	1200 x 1900 x 800		1400
BC2055401	32 x 44 Ah	600 x 1900 x 800		535
BC2055402	64 x 44 Ah	600 x 1900 x 800		970
BC2055403	96 x 44 Ah	1200 x 1900 x 800		1505
BC2055404	128 x 44 Ah	1200 x 1900 x 800		1940
BC2055601	32 x 70 Ah	600 x 1900 x 800		850
BC2055602	64 x 70 Ah	1200 x 1900 x 800		1700
BC2055603	96 x 70 Ah	1800 x 1900 x 800		2550
BC2055604	128 x 70 Ah	2400 x 1900 x 800		3400

**MOUNTING OPTIONS FOR BATTERIES INSIDE OF THE DIFFERENT BATTERY CABINETS**

Capacity value	B10ES	B11ES	B12	B13	B14
7 Ah	111	141	250	250	360
12 Ah	78	99	175	175	240
18 Ah	66	84	180	180	250
26 Ah	30	38	80	80	120
28 Ah	45	57	125	125	180
33 Ah	36	46	100	100	150
44 Ah	30	38	80	80	120
55 Ah	_____	impossible	_____	75	105
70 Ah	14	18	50	50	60
80 Ah	_____	impossible	_____	60	90
100 Ah	_____	impossible	_____	50	60
110 Ah	_____	impossible	_____	50	60
120 Ah	_____	impossible	_____	_____	60
135 Ah	_____	_____	impossible	_____	_____
150 Ah	_____	_____	impossible	_____	_____
200 Ah	_____	impossible	_____	_____	30

- **HIGH MECHANICAL STRENGTH**
- **DRAWERS FACILITATE AN EASY AND TIME-SAVING BATTERY REPLACEMENT**
- **COMPACT DESIGN SAVES SPACE**
- **OPTIMAL AND SECURE TOUCH PROTECTION**
- **BATTERY CABINET DESIGN IS ADAPTABLE TO VARIOUS BATTERY TYPES**
- **MAINTENANCE-FREE AGM BATTERIES WITH 10-12 YEARS LIFETIME**

Fig.1 Wärtsilä JOVYBATT BC

