

BATTERY TYPES FOR JIS RANGE

AMARONTM HI-LIFE BATTERIES

Battery Type/ Model	Old JIS Designation	Vol.	AH @ C20	AH @ C5	CCA @ 18°C in Amps	FC in Min	Dimensions (in mm) max.			Battery Wt. in Kgs	Terminal Type	Terminal Layout
							Length	Width	Height			
28B19R	28B19MF	12	30	24	250	40	187	127	227	10.80	Small	+
28B19L	28B19LMF	12	30	24	250	40	187	127	227	10.80	Small	-
34B19R	34B19MF	12	32	27	280	50	187	127	227	11.00	Small	+
34B19L	34B19LMF	12	32	27	280	50	187	127	227	11.00	Small	-
44B19R	44B19MF	12	40	32	335	55	187	127	227	11.30	Small	+
44B19L	44B19LMF	12	40	32	335	55	187	127	227	11.30	Small	-
34B20R	NS40MF	12	32	27	280	50	197	129	227	11.20	Small	+
34B20L	NS40LMF	12	32	27	280	50	197	129	227	11.20	Small	-
38B20R	NS40ZMF	12	35	28	335	55	197	129	227	11.70	Small	+
38B20L	NS40ZLMF	12	35	28	335	55	197	129	227	11.70	Small	-
38B20RS	NS40ZSMF	12	35	28	335	55	197	129	227	11.70	Big	+
38B20LS	NS40ZLSMF	12	35	28	335	55	197	129	227	11.70	Big	-
46B24R	NS60PMF	12	45	36	360	75	238	129	227	13.50	Small	+
46B24L	NS60PLMF	12	45	36	360	75	238	129	227	13.50	Small	-
46B24RS	NS60SPMF	12	45	36	360	75	238	129	227	13.50	Big	+
46B24LS	NS60SLPMF	12	45	36	360	75	238	129	227	13.50	Big	-
60B24R	NX100-SBPMF	12	55	44	470	85	238	129	227	13.80	Small	+
60B24L	NX100-SBPLMF	12	55	44	470	85	238	129	227	13.80	Small	-
60B24RS	NX100-SSSP	12	55	44	470	85	238	129	227	13.80	Big	+
60B24LS	NX100-SSSLPMF	12	55	44	470	85	238	129	227	13.80	Big	-
55B23R	85B86CK	12	60	48	550	110	232	173	225	18.40	Big	+
55B23L	85B86CK	12	60	48	550	110	232	173	225	18.40	Big	-
75B23R	—	12	85	48	520	118	232	173	225	18.40	Big	+
75B23L	—	12	85	48	520	118	232	173	225	18.40	Big	-
85B23R	—	12	70	56	610	120	232	173	225	18.70	Big	+
85B23L	—	12	70	56	610	120	232	173	225	18.70	Big	-
48B26R	NS0PMF	12	50	40	420	90	260	173	225	17.50	Big	+
48B26L	NS0PLMF	12	50	40	420	90	260	173	225	17.50	Big	-
55B26R	NS00PMF	12	60	48	530	110	260	173	225	20.00	Big	+
55B26L	NS00PLMF	12	60	48	530	110	260	173	225	20.00	Big	-
65B26R	NS70PMF	12	65	52	600	115	260	173	225	20.40	Big	+
65B26L	NS70PLMF	12	65	52	600	115	260	173	225	20.40	Big	-
75B26R	NS70MF	12	65	52	600	115	260	173	225	20.40	Big	+
75B26L	NS70LMF	12	65	52	600	115	260	173	225	20.40	Big	-
90B26R	NX110-5MF	12	75	60	650	145	260	173	225	20.70	Big	+
90B26L	NX110-5LMF	12	75	60	650	145	260	173	225	20.70	Big	-
65B31R	N70PMF	12	70	56	600	125	306	173	225	21.90	Big	+
65B31L	N70PLMF	12	70	56	600	125	306	173	225	21.90	Big	-
75B31R	N700PMF	12	75	60	650	140	306	173	225	23.40	Big	+
75B31L	N700PLMF	12	75	60	650	140	306	173	225	23.40	Big	-
85B31R	NX120-7PMF	12	80	64	750	160	306	173	225	25.00	Big	+
85B31L	NX120-7PLMF	12	80	64	750	160	306	173	225	25.00	Big	-
115B31R	—	12	90	75	750	165	306	173	225	25.50	Big	+
115B31L	—	12	90	75	750	165	306	173	225	25.50	Big	-

AMARON HARVESTTM TRACTOR BATTERIES

Battery type/ Model	Dimensions (in mm)			AH @ C20	CCA @ -18°C Amps	Battery Wt. Kgs	AH @ C5	Old JIS designation
	Length	Width	Height					
TRA 500 D31R	306	173	225	75	500	21.00	80	N702
TRA 600 H29R	336	173	240	90	600	25.50	72	



AMARON HI-WAYTM TRUCK BATTERIES

Battery type/ Model	Dimensions (in mm)			AH @ C20	CCA @ -18°C Amps	Battery Wt. Kgs	AH @ C5	Old JIS designation
	Length	Width	Height					
HCV 620 D31R	306	173	225	80	620	22.50	64	Nx1207
HCV 700 H29R	336	173	240	100	700	27.00	80	
HCV 800 D04R	537	212	247	120	800	40.00	96	
HCV X00 D04R	537	212	247	150	1000	48.00	120	N150



BATTERY TYPES FOR DIN RANGE

AMARONTM HI-LIFE BATTERIES

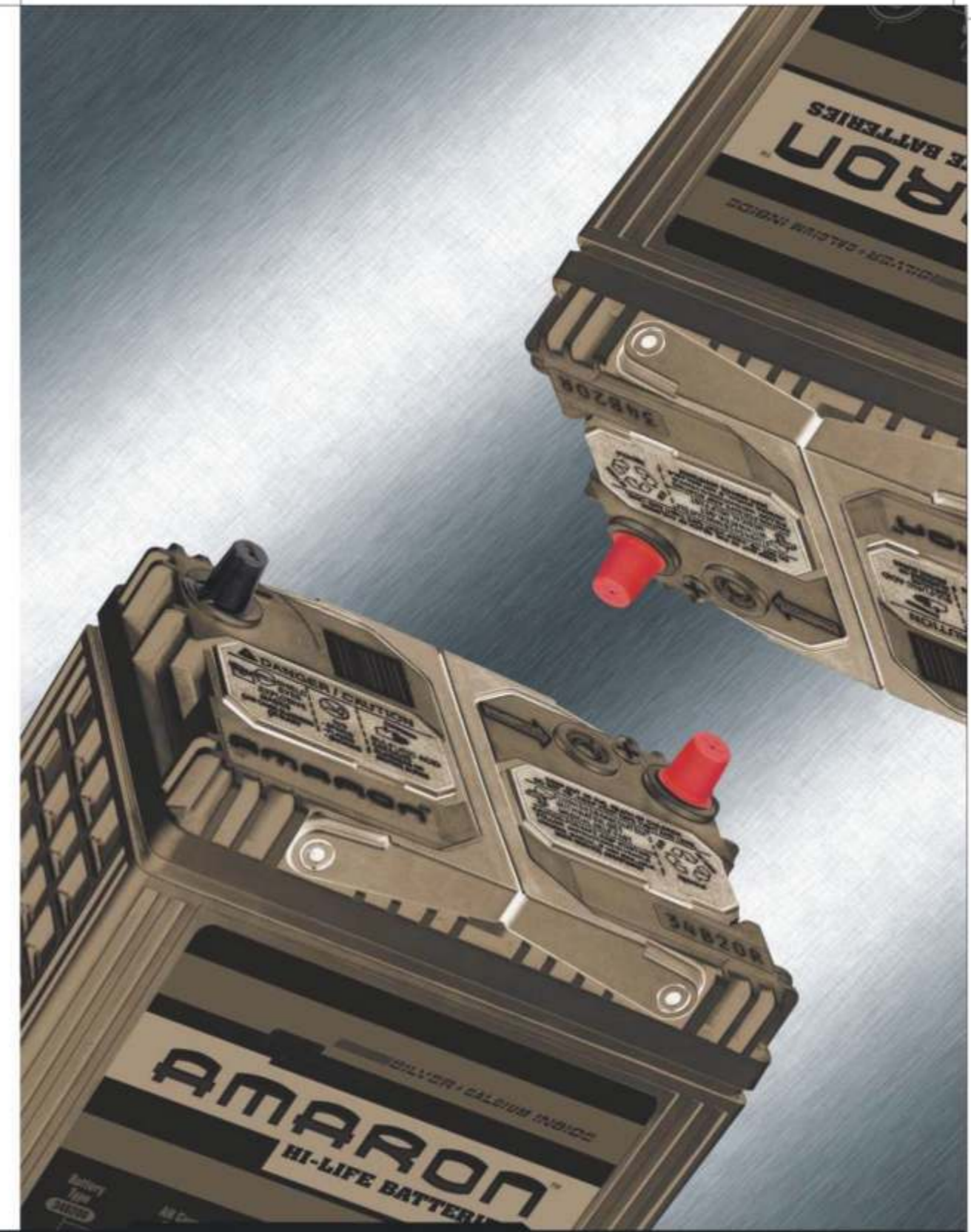
Battery type/ Model	Dimensions (in mm)			AH @ C20	CCA @ -18°C Amps	FC Min	Battery Wt. Kgs
	Length	Width	Height				
DIN 36	207	175	190	36	270	55	11.5
DIN 43	207	175	190	43	390	65	12.5
DIN 60	278	175	190	60	590	105	18
DIN 100	354	175	190	100	590	176	24.5



Dealer's Address:

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Amara Raja JOHNSON CONTROLS



THE BATTERY PLANT

While ARBL's corporate office is based in Chennai, its fully integrated manufacturing unit for industrial and automotive batteries is in Tirupati. Currently it has a production capacity of 2 million units, with a total plant area of 165 acres. Apart from being the single largest battery manufacturing facility in Asia, the plant has complete control over inventory, best quality product assurance and in-house sourcing of all critical components including plastics.



BATTERY EXCELLENCE CENTER

Excellence cannot be a one-off phenomenon. Amaron has a Battery Excellence Center which ensures that excellence is an on-going process, with conscious development efforts that add value not just to the product but also to client's businesses. The Excellence Center is completely self-sufficient with a full range of testing equipment for:



- Battery performance evaluation
- Design and life testing
- Application engineering capability
- Simulations
- Vehicle systems study
- Computer aided design
- On-site calibration laboratory

The Battery Excellence center, along with the state-of-the art battery facility, allows Amara Raja to offer substantial benefits to its customers. Be it sizing of batteries or electrical systems, OEMs can expect not only the best in product performance and manufacturing techniques, but also a high level of customisation.



Johnson Controls Inc., USA, is a Fortune 500 company and the worldwide leader in automotive systems and building controls. The battery brands that JCI manufacture power more automobiles than any other manufacturer's brands in the world. Hardly surprising, considering that some of the world's most popular brands like ENERGIZER, DIEHARD and INTERSTATE are manufactured by Johnson Controls.



JOHNSON CONTROLS

AMARON™ HI-LIFE BATTERY

Amaron™ Hi-Life Battery was the result of a complete relook at battery technology, the way it existed. It marks the distillation of years of research and innovation in high-end battery technology. The result, a battery that defines the direction in which battery technology will move in the future. Amaron™ incorporates many patented technologies and exclusive features that make it one of the most advanced batteries in the world. Its unique features like extra-long life and zero-maintenance and its rugged construction give it the strength to endure rough treatment and the harshest climatic conditions.

Scores of awards including Overdrive's (India's leading auto magazine), 'Most Significant Automotive Product of the Year - 2000', 'Udyog Rattan Award-1999' by Institute of Economic Studies, 'Best Industry All-round performance Award - 1998' by FAPCCI and a huge endorsement from automobile manufacturers and the market are testimony to its world class design.



OEMs

Name any major auto maker and chances are that ARBL or JCI would be their battery supplier of choice. General Motors, Ford, Daimler Chrysler, BMW, Toyota, Volvo, Hyundai, Nissan, Honda, Volkswagen, Fiat, Mercedes Benz, Ashok Leyland, Telco and Mahindra & Mahindra are just a few of the companies, whose cars have an Amaron™ under their hoods.

CERTIFICATION

