

		EFB	MEGA	ULTRA	ACTION
INTERNATIONAL TRANSPORT	Using hotel function	✓			
	Not using hotel function		✓	✓	
DELIVERY VEHICLES	High electrical equipment requirement	✓			
	Standard electrical equipment		✓		
	Standard electrical equipment			✓	✓
CONSTRUCTION VEHICLES	High electrical equipment		✓		
	Standard electrical equipment			✓	✓
PASSENGER INTERCITY BUS	INTERCITY (TV, Internet, etc.)	✓			
	Inner city		✓	✓	

Feel The Power

Hugel Heavy Duty

WORLD'S ENERGY IS IN YOUR CAR...



EFB

HUGEL EFB HEVAY DUTY, is specially designed for Start-Stop or high electrical consumption heavy duty vehicles. HUGEL EFB Heavy Duty is suitable for rear chassis with EVR Technology and provides superior performance and power from the beginning to the end of the road with up to 2.5 times longer cycle life⁽¹⁾ and up to 60 times longer vibration resistance.⁽¹⁾



Product Features

- Maintenance Free
- Matches the V3 vibration resistance requirements in EN 50342 standards
- Up to 2.5 times more cycle life⁽¹⁾
- 10% Higher Cold Cranking Power⁽¹⁾
- Minimum water loss
- High acid reserve capacity above the plates
- Special Ag-Ca alloyed grids

SHORT CODE	GREEN CODE	EN	DIN	CODE BCI***	JIS**	BOX TYPE	DIMENSIONS LENGTHx WIDTHx HEIGHT (mm)	C20 CAPACITY (Ah)	CCA -EN	CCA - SAE*	RESERVE CAPACITY RC	LAYOUT	TERMINAL TYPE	HOLD-DOWN
HEAVY DUTY						Start-Stop EFB								
B 185 123 313	2009369	B-D5a	---	4D	---	B	513*223*228	185	1230A	1320A	371	3	1	B03
C 230 140 310	2009371	C	---	8D	---	C	513*276*240	230	1400A	1490A	480	3	1	B00

ACTIV A

HUGEL ULTRA HEAVY DUTY, renewed with EVR technology, provides high endurance by challenging the toughest conditions with up to 2 times longer cycle life⁽¹⁾ and 10 times longer vibration resistance.⁽¹⁾



Product Features

- Maintenance Free
- Matches the V3 vibration resistance requirements in EN 50342 standards
- Up to 2 Times more cycle life⁽¹⁾
- 10% higher cold cranking power⁽¹⁾
- Cells with side compression with top fixation and top-bottom hot melt offers maximum acid reserve

SHORT CODE	GREEN CODE	EN	DIN	CODE BCI***	JIS**	BOX TYPE	DIMENSIONS LENGTHx WIDTHx HEIGHT (mm)	C20 CAPACITY (Ah)	CCA -EN	CCA - SAE*	RESERVE CAPACITY RC	LAYOUT	TERMINAL TYPE	HOLD-DOWN
HEAVY DUTY						Conventional								
A 120 080 313	2005572	A-D4a	---	---	---	A	513*189*217	120	800A	860A	222	3	1	B03
A 135 088 313	2005573	A-D4a	---	---	---	A	513*189*217	135	880A	950A	255	3	1	B03
A 135 095 313	2009340	A-D4a	---	---	---	A	513*189*217	135	950A	1020A	255	3	1	B03
A 140 093 310	2005570	A-D4	---	---	---	A	513*189*217	140	930A	965A	267	3	1	B00
B 150 100 313	2009342	B-D5a	---	4D	---	B	513*223*223	150	1000A	1080A	289	3	1	B03
B 180 120 313	2009344	B-D5a	---	4D	---	B	513*223*223	180	1200A	1260A	359	3	1	B03
B 190 110 313	2005401	B-D5a	---	4D	---	B	513*223*223	180	1100A	1180A	359	3	1	B03
B 180 110 310	2006275	B-D5	---	4D	---	B	513*223*223	180	1100A	1180A	359	3	1	B00
C 200 105 310	2008049	C	---	8D	---	C	513*274*237	200	1050A	1130A	407	3	1	B00
C 225 115 310	2005571	C	---	8D	---	C	513*274*237	225	1150A	1240A	468	3	1	B00
C 225 125 310	2009346	C	---	8D	---	C	513*274*237	225	1250A	1340A	468	3	1	B00
C 240 120 310	2005788	C	---	8D	---	C	513*274*237	240	1200A	1290A	505	3	1	B00

MEGA

HUGEL MEGA HEAVY DUTY, where maximum power meets EVR Technology, provides high performance for vehicles that provide distribution, freight, and transportation in heavy city traffic with its up to 2.5 times longer cycle life⁽¹⁾.



Product Features

- Maintenance Free
- Matches the V3 vibration resistance requirements in EN 50342 standards
- Up to 2.5 times more cycle life⁽¹⁾
- 10% more energy⁽¹⁾
- Cells with side compression with top fixation and top-bottom hot melt offers maximum acid reserve

SHORT CODE	GREEN CODE	EN	DIN	CODE BCI***	JIS**	BOX TYPE	DIMENSIONS LENGTHx WIDTHx HEIGHT (mm)	C20 CAPACITY (Ah)	CCA -EN	CCA - SAE*	RESERVE CAPACITY RC	LAYOUT	TERMINAL TYPE	HOLD-DOWN
HEAVY DUTY						Conventional								
A 145 092 313	2009363	A-D4a	---	---	---	A	513*189*220	145	920A	990A	278	3	1	B03
B 190 120 313	2009365	B-D5a	---	4D	---	B	513*223*228	190	1200A	1300A	383	3	1	B03
C 250 140 310	2009367	C	---	8D	---	C	513*276*240	250	1400A	1500A	530	3	14	B00

ACTION

HUGEL ACTION HEAVY DUTY, is developed for heavy duty vehicles with standard requirements and give confidence to the driver wherever needed.

Product Features

- Maintenance Free
- Hybrid technology
- Polyethylene envelope seperators
- High acid reseve
- Calcium Antimony alloyed hybrid plates
- Special design labyrinth plugs
- Product tracking



SHORT CODE	GREEN CODE	EN	DIN	CODE BCI***	JIS**	BOX TYPE	DIMENSIONS LENGTHx WIDTHx HEIGHT (mm)	C20 CAPACITY (Ah)	CCA -EN	CCA - SAE*	RESERVE CAPACITY RC	LAYOUT	TERMINAL TYPE	HOLD-DOWN
HEAVY DUTY						Conventional								
A 120 080 313	2004558	A-D4a	---	---	---	A	513*189*217	120	800A	860A	222	3	1	B03
A 135 088 313	2004559	A-D4a	---	---	---	A	513*189*217	135	880A	950A	255	3	1	B03
B 150 092 313	2005472	B-D5a	---	4D	---	B	513*223*217	150	920A	990A	289	3	1	B03
B 170 100 310	2005490	B-D5	---	4D	---	B	513*223*217	165	1000A	1080A	324	3	1	B00
B 180 110 310	2005437	B-D5	---	4D	---	B	513*223*217	180	1100A	1180A	359	3	1	B00
C 200 105 310	2005456	C	---	8D	---	C	513*274*237	200	1050A	1130A	407	3	1	B00
C 225 115 310	2005453	C	---	8D	---	C	513*274*237	225	1150A	1240A	468	3	1	B00
C 240 120 310	2005455	C	---	8D	---	C	513*274*237	240	1200A	1290A	505	3	1	B00
TRACTORL105070011	2004672	D2a	---	---	---	TRACTORL	344*175*231	105	700A	750A	190	0	1	B01
TRACTORL125080010	2004418	D2a	---	---	---	TRACTORL	344*175*231	125	800A	860A	233	0	1	B00
TRACTOR125080010	2004394	D3	---	---	---	TRACTOR	344*175*282	125	800A	860A	233	0	1	B00

(1)Compared to HUGEL ACTION Heavy Duty Series
*CCA-SAE value is based on tester flooded mode value.
**JIS definition is selected from JIS standard based on the closest capacity value.
*** BCI definition is based on the closest battery dimension.