

Main technical parameters list

	model		H12BERT	H14BERT	H16BERT	H20BERT
Overview	Power form		Accumulator	Accumulator	Accumulator	Accumulator
	Operation type		Seated	Seated	Seated	Seated
	Rated load	Q (kg)	1200	1400	1600	2000
	Load centre distance	c (mm)	600	600	600	600
	Bearing distance	x (mm)	269	269	269	344
	Front overhang	x ₁ (mm)	221	221	221	221
	Wheelbase	y (mm)	1460	1460	1460	1535
	weight	Service weight	kg	4729	4729	4729
Wheel chassis	Tire material		PU	PU	PU	PU
	Drive wheel size		Ø343×140	Ø343×140	Ø343×140	Ø343×140
	Bearing wheel size		Ø330×100	Ø330×100	Ø330×100	Ø330×100
	Number of wheels		1×2	1×2	1×2	1×2
	Wheel base (bearing wheel)	b ₁₁ (mm)	1168	1168	1168	1168
size	Angle of fork frame (front/rear)	α/β(°)	2/4	2/4	2/4	2/4
	Retracting height of door frame	h ₁ (mm)	5150	5150	5150	5150
	Free lift	h ₂ (mm)	4185	4185	4185	4185
	Overall lifting height	h ₃ (mm)	12500	12500	12500	12500
	Portal height	h ₄ (mm)	13465	13465	13465	13465
	Height of overhead guard	h ₆ (mm)	2200	2200	2200	2200
	Overall length (including fork, retracted mast)	l ₁ (mm)	2509	2509	2509	2509 ¹⁾
	Length from fork end to front (retracted mast)	l ₂ (mm)	1439	1439	1439	1439 ¹⁾
	Total width	b ₁ /b ₂ (mm)	1270	1270	1270	1270
	Fork size	s/e/l (mm)	40/122/1070	40/122/1070	40/122/1070	40/122/1070
	Fork rack type		ISO2328 2A	ISO2328 2A	ISO2328 2A	ISO2328 2A
	Fork rack width	b ₃ (mm)	942	942	942	942

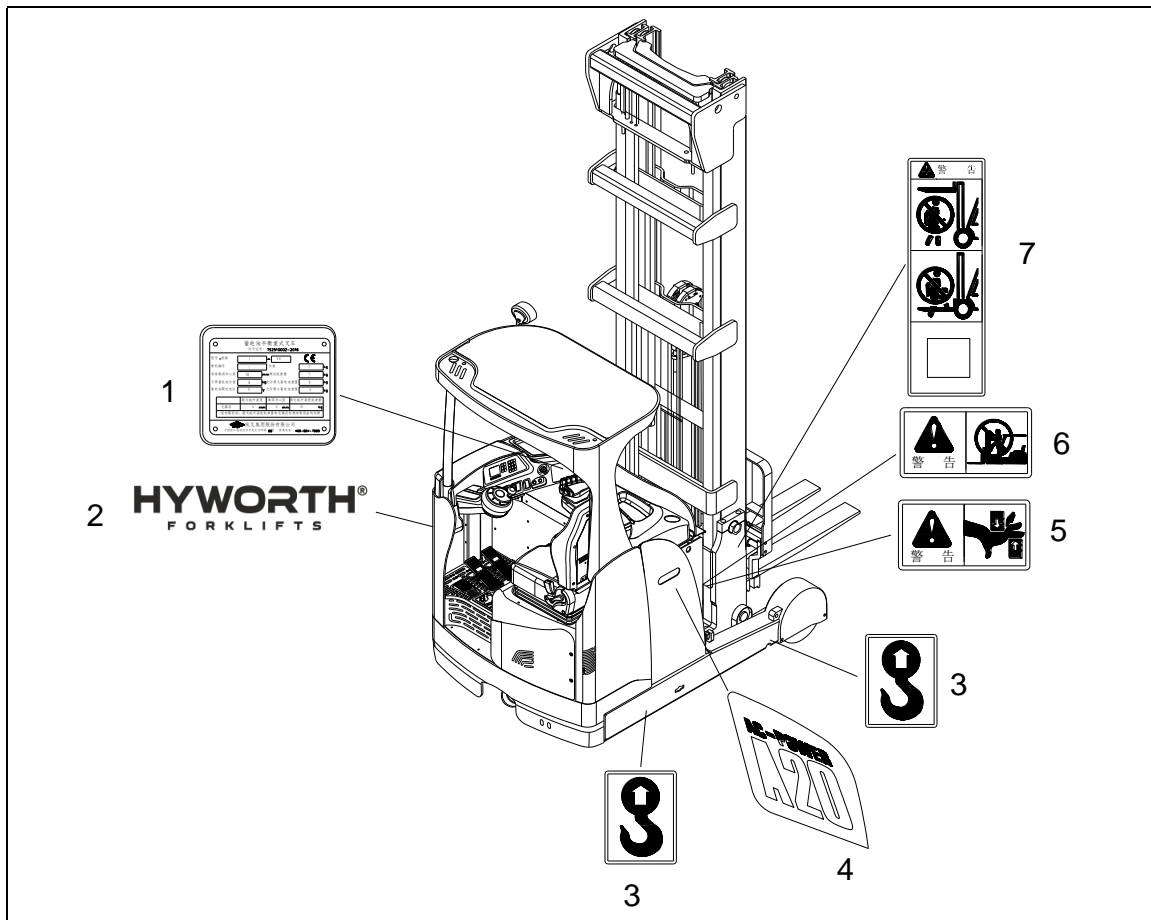
	Fork width	b ₅ (mm)	244-882	244-882	244-882	244-882
	Support leg width	b ₄ (mm)	940	940	940	940
	Forward distance	l ₄ (mm)	490	490	490	565 ¹⁾
	Ground clearance, wheelbase centre position	m ₂ (mm)	78.5	78.5	78.5	78.5
	Minimum turning radius	W _a (mm)	1725	1725	1725	1800
	Frame length	l ₇ (mm)	1895	1895	1895	1970
Performance parameter	Travel speed full load/no load	km/h	14/14	14/14	14/14	14/14
	Lifting speed full load/no load	m/s	0.450/0.480	0.410/0.480	0.360/0.480	0.330/0.480
	Falling speed full load/no load	m/s	0.510/0.330	0.510/0.330	0.510/0.330	0.510/0.330
	Maximum gradeability full load/no load	%	12/15	12/15	11/15	10/15
Motor and battery	Traction motor S2 60 min	kW	6.4 AC	6.4 AC	6.4 AC	6.4 AC
	Lifting motor at S3 15%	kW	12.8 AC	12.8 AC	12.8 AC	12.8 AC
	Steering motor S2 60 min	kW	0.67 AC	0.67 AC	0.67 AC	0.67 AC
	Battery voltage/ rated capacity K5	V/Ah	48V /460	48V /460	48V /460	48V /600
	Battery weight	kg	939	939	939	1119 ¹⁾
Other data	Control type		INMOTION AC	INMOTION AC	INMOTION AC	INMOTION AC
	Attachment operating pressure	bar	150	150	150	150
	Attachment operation flow (maximum)	l/min	65	65	65	65
	Ear noise, according to standard EN / DIN 12 053	dB (A)	72	72	72	72

Type	Model	Lifting height h_3	Mast lowered h_1	Mast extended h_4		Free lifting height h_2		Tilting range		Load capacity at 600mm				
				Without backrest	With backrest	Without backrest	With backrest	Forward	Backward	1.2t	1.4t	1.6t	2.0t	
		mm	mm	mm	mm	mm	mm	(°)	(°)	kg	kg	kg	kg	kg
Three-level fully free wide-view mast	QA20V (Imported channel steel)	5000	2315	5670	5965	1596	1350	2	4	1200	1400	1600	2000	2000 ¹⁾
		5500	2490	6170	6465	1796	1525	2	4	1200	1400	1600	2000	2000 ¹⁾
		6000	2665	6670	6965	1995	1700	2	4	1200	1400	1600	2000	2000 ¹⁾
		6500	2835	7170	7465	2136	1870	2	4	1200	1400	1600	1900	2000 ¹⁾
		7000	3020	7670	7965	2350	2055	2	4	1000	1200	1400	1700	1800 ¹⁾
		7500	3180	8170	8465	2510	2215	2	4	900	1100	1300	1600	1700 ¹⁾
		8000	3350	8670	8965	2680	2385	2	4	850	1050	1250	1550	1650 ¹⁾
		8500	3580	9170	9465	2910	2615	2	4	800	1000	1200	1500	1600 ¹⁾
		9000	3800	9670	9965	3130	2835	2	4	750	950	1150	1450	1550 ¹⁾
		9500	3970	10170	10465	3300	3005	2	4	700	900	1100	1400	1500 ¹⁾
		10000	4100	10670	10965	3430	3135	2	4	650	850	1050	1350	1450 ¹⁾
		10500	4250	11170	11465	3580	3285	2	4	600	800	1000	1300	1400 ¹⁾
		11000	4450	11670	11965	3780	3485	2	4	550	750	950	1250	1350 ¹⁾
		11500	4700	12170	12465	4030	3735	2	4	500	700	900	1200	1300 ¹⁾
		12000	4900	12670	12965	4230	3935	2	4	450	650	850	1150	1250 ¹⁾
12500	5150	13170	13465	4480	4185	2	4	400	600	800	1100	1200 ¹⁾		

1) The corresponding load capacity when configuring 750Ah battery

14. Nameplates and warning labels

Stick different nameplates and warning labels at different positions of the truck.



No.	Description
1	Product nameplate: Basic forklift parameter
2	Character label: Manufacturer character
3	Hoisting label: Hoist position indicator.
4	Series label: Product series and tonnage label
5	Danger label: Be careful when lifting the mast
6	Danger label: No climbing
7	Danger label: Loading part is not allowed to carry people. Never stay under the loading part.

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