

1.1 MANUFACTURER			FALCONLIFT						
Characteristics	1.2	Model		ACHILLE 15	ACHILLE 18	ACHILLE 20	ACHILLE 25	ACHILLE 30	
	1.3	Type of drive: Electric, diesel, petrol, G.P.L.		Electric	Electric	Electric	Electric	Electric	
	1.4	Type of control		Driver seated	Driver seated	Driver seated	Driver seated	Driver seated	
	1.5	Load capacity	Q kg	1500	1800	2000	2500	3000	
	1.6	Load centre	c mm	500	500	500	500	500	
	1.8	Load distance	x mm	400	400	450	450	460	
	1.9	Wheelbase	y mm	1380	1380	1540	1540	1640	
	Weight	2.1	Service weight	kg	2980	3180	4100	4320	4730
		2.2	Axle weight with rated load	front/rear kg	3935/545	4430/600	5360/740	6060/760	6905/825
2.3		Axle weight without load	front/rear kg	1435/545	1414/1766	2130/1970	2020/2300	2150/2580	
Wheels types	3.1	Tyres: Superelastic (SE)		SE	SE	SE	SE	SE	
	3.2	Tyre size - front	mm	21x8x9	21x8x9	23x9-10	23x9-10	23x9-10	
	3.3	Tyre size - rear	mm	5.00-8	5.00-8	18x7-8	18x7-8	18x7-8	
	3.5	Wheels - number front/rear (x= drive wheel)	mm	2X/2	2X/2	2X/2	2X/2	2X/2	
	3.6	Track width - front	b10	910	910	975	975	1035	
	3.7	Track width - rear	b11 mm	895	895	990	990	990	
	4.1	Mast/Fork carriage tilt forward/backward	a/B grad	6/12	6/12	6/12	6/12	6/12	
Basic dimensions	4.2	Lowered mast height	h1	1985	1985	1985	1985	1985	
	4.3	Free Lift	h2 mm	140	140	145	145	150	
	4.4	Lift height	h3 mm	3000	3000	3000	3000	3000	
	4.5	Extended mast height	h4 mm	4220	4220	4220	4220	4220	
	4.7	Overhead guard(cab) height	h6 mm	2040	2040	2150	2150	2150	
	4.8	Seat height/standing height	h7 mm	1030	1030	1150	1150	1150	
	4.12	Drawbar height	h10 mm						
	4.19	Overall length	l1 mm	3165	3165	3400	3400	3475	
	4.20	Length to front face of forks	l2 mm	2095	2095	2330	2330	2450	
	4.21	Overall width	b1 mm	1115	1115	1200	1200	1260	
	4.22	Forks dimensions	s/e/l mm	35x100x1200	35x100x1200	40x120x1200	40x120x1200	45x125x1200	
	4.23	Fork carriage ISO 2328, class/ type A,B	mm	II/A	II/A	II/A	II/A	III/A	
	4.24	Fork carriage width	b3 mm	920	920	1024	1024	1150	
	4.31	Ground clearance, laden, under mast	m1 mm	105	105	105	105	105	
	4.32	Ground clearance, centre of wheelbase	m2 mm	105	105	120	120	120	
	4.33	Aisle width for pallets 1000x1200 crossways	Ast mm	3460	3460	3525	3525	3655	
4.34	Aisle width for pallets 800x1200 lengthways	Ast mm	3260	3260	3725	3725	3855		
4.35	Outer turning radius	Wa mm	1860	1860	2075	2075	2195		
4.36	Inner turning radius	b13 mm							
Performance data	5.1	Travel speed, laden/ unladen	km/h	13,5/14	13/14	13/15	12,5/15	12/15	
	5.2	Lift speed, laden/ unladen	mm/s	320/470	300/470	310/500	300/500	260/450	
	5.3	Lowering speed, laden/ unladen	mm/s	470/550	470/550	480/500	480/540	420/450	
	5.5	Drawbar pull laden/unladen							
	5.7	Gradient performance, laden/unladen	%	18/21	17/20	18/22	16/21	15/18	
	5.9	Acceleration time, laden/unladen	s						
Electric Motor	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	
	6.1	Drive motor hourly rating s2	kW	8	8	9	9	9	
	6.2	Lift motor rating at S3 15%	kW	15	15	15	15	20	
	6.3	Battery equipment acc. to DIN 43531/35/36 A,B,C, no		NO	NO	NO	NO	NO	
	6.4	Battery voltage, nominal capacity k5	V/Ah	48/460	48/460	48/700	48/700	80/560	
Other details	6.5	Battery weight	kg	740	740	1480	1480	1480	
	8.1	Type of drive control		AC/INVERTER	AC/INVERTER	AC/INVERTER	AC/INVERTER	AC/INVERTER	
	8.2	Operating pressure for attachments	bar	180	180	180	180	180	
	8.4	Average noise peak at operator's ear acc. to EN 12053	dB(A)	68	68	70	70	71	

