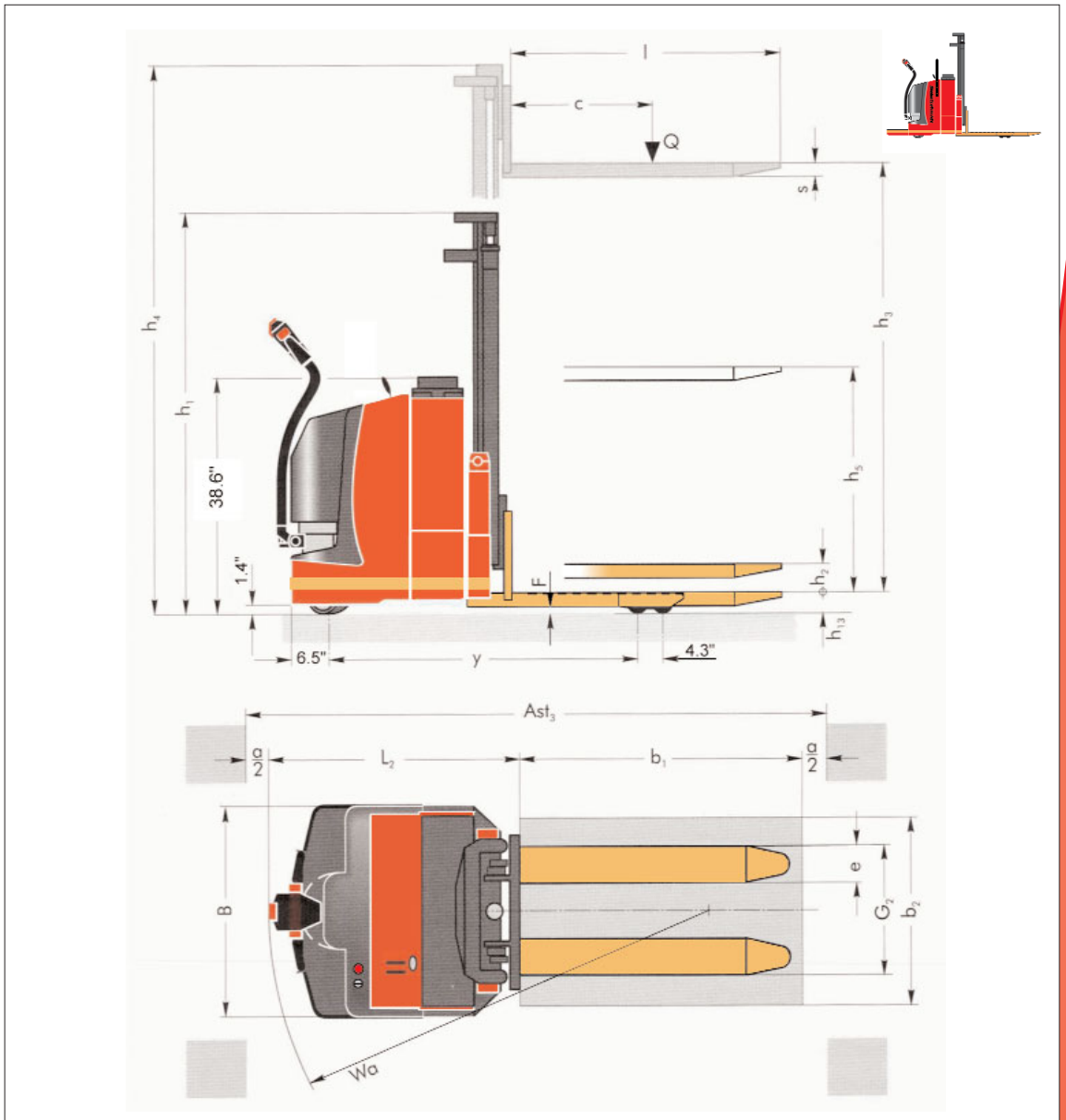




Sichelschmidt
Explosion proof forklift equipment

EX Fork Over Stacker Truck
d-400-XP/ASM - CI, DI, Gr C&D



Type of mast	All models	Model: d-425-XP/ASM			Models: d-430-XP/ASM & d-435-XP/ASM		
	h1 Mast closed height	h3 Fork elevated height	h4 Overall extended height	h2/h5 Free Lift	h3 Fork elevated height	h4 Overall extended height	h2/h5 Free Lift
DFSM <i>(Two stage, no free lift)</i>	67.9	98.4	123.4	5.9	95.5	120.7	5.9
	77.8	118.1	143.1	5.9	115.1	140.4	5.9
	87.6	137.8	162.8	5.9	134.8	160.0	5.9
DFFM <i>(Two stage, with free lift)</i>	67.9	98.4	123.4	42.9	95.5	120.7	42.7
	77.8	118.1	143.1	52.7	115.1	140.4	52.5
	87.6	137.8	162.8	62.6	134.8	160.0	62.4
TFFM <i>(Three stage, with free lift)</i>	67.9	144.5	165.0	48.6	140.3	160.9	46.6
	77.8	174.0	194.5	56.5	169.9	190.4	56.5

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Details of dimensions and design				Specifications according to model and capacity		
Designations	1	Manufacturer		Sichelschmidt		
	2	Model	model number	d-425-XP/ASM	d-430-XP/ASM	d-435-XP/ASM
	3	EX Certification	testing lab. / hazardous area rating	NRTL - Class 1, Divisions 1 & 2, Groups C & D		
	4	Mast type		DFSM / DFFM / TFFM		
	5	Capacity	Q = lifting load lb	2500	3000	3500
	6	Load center	c = distance inch	24	24	24
	7	Drive	electric (battery)	24V electric AC		
	8	Steering	hand walk behind / sit down driver	hand walk behind		
	9	Tires	V = solid rubber, Vulko = vulkollan, CSE = super elastic	Vulko		
	10	Wheels (x=driven)	drive wheel (caster wheel) / load wheels	1(2) / 4		
	Dimensions	11	Carriage type		Class II	
12		Mast specifications	h5 = free lift inch	see front for mast specifications		
13			h3 = fork elevated height inch	see front for mast specifications		
14			h2 = normal free lift inch	see front for mast specifications		
15			h5 = special free lift inch	see front for mast specifications		
16			h1 = mast overall collapsed height inch	see front for mast specifications		
17		h4 = mast overall extended height inch	see front for mast specifications			
18		Tilt	lifting frame, forward / backward degrees			
19		Fork specifications	h13 = fork lowered height inch	3.35		
20			s = fork thickness inch	2.6	3.0	
21			e = fork width inch	6.5		
22			l = fork length inch	48		
23			Plating Non / Brass / Stainless steel i	Brass plated		
24		General specifications	L2 = truck length incl. fork heel inch	39.6	40.2	
25			H3 = step height (driver standing platform) inch	on request		
26			P1 = base leg opening inch	9.3		
27			P2 = base leg overall width inch	22.28		
28			B = tractor width inch	35.4		
30	Turning radius	H1 = overhead guard height inch				
30		G2 = max. fork spread (manual adjustable) inch				
31	Wa	inch	65.6	66.4		
32	Load distance	x from the center of front axle inch				
33	Mast reach	x1 inch				
34	Aisle requirements	Ast with a load size of 40" wide x 48" long inch	98.2	99.2		
Performance	35	Stability	to technical rules yes / no	yes		
	36	Speed / performance	travel with load (adjustable) miles/hr	3.5		
	37		travel without load (adjustable) miles/hr	3.7		
	38		lifting with load (adjustable) inch/sec	0.6		
	39		lifting without load (adjustable) inch/sec	0.9		
	40		lowering with load (adjustable) inch/sec	1.6		
	41		lowering without load (adjustable) inch/sec	1.1		
	42	Gradient	with load %	10	9	
43	without load %		14	14		
Wgt.	44	Truck weight	incl. 24V/400AH battery lb	3210	3320	3325
	45	Axle load max.	front with load lb			
	46		back with load lb			
Running gear	47	Wheel specifications	front / rear no. of	1 + 2 / 4		
	48		drive wheel dimensions inch	10.24 dia. x 3.35		
	49		load wheel dimensions inch	3.35 dia. x 3.15		
	50		caster wheel dimensions inch	4.92 dia. x 2.36		
	51	Wheel base	y inch	54.2		
	52	Track	S = center of tires front to back inch	24.6 / 15.75		
	53	Ground clearance	F = with load at the lowest point inch	1.2		
54	F = with load at wheel base center inch		1.4			
Drive	55	Brakes	service / parking / holding brake	regenerative / automatic		
	56		electric / mechanical	electric		
	57	Battery information	type / container # (must be EX C1D1)	PzS container 137 / 138		
	58		Volt / AH	24 V / 300AH or 400AH		
	59		battery weight lb	695 (300AH) / 850 (400AH)		
	60	Electric motors	drive motor hp	1.48		
	61		hydraulic motor hp	4.29		
	62	Working pressure	for forklift attachment lb ft/inch ²	+/- 1740		
	63	Gears	type of speed change	frequency converter		
	63		# gears / speed change	stepless		
64	Transmission	type	bevel gear			