

B15SU/B18SU/B20SU-9



9-Series Forklifts

Cushion Electric Stand-up Rider
3,000 lb. to 4,000 lb. Capacity



General Specifications

Characteristics	1.1	Manufacturer			Doosan	
	1.2	Model Designation			B15SU-9	
	1.2.1	Battery Compartment Size	in (mm)		16.5 (419)	18.2 (462)
	1.3	Drive: Electric (Battery), Diesel, LP, Manual			Electric	
	1.4	Operator Type: Hand, Pedestrian, Standing, Seated, Order-picker			Standing	
	1.5	Load Capacity/Rated Load	lb (kg)	Q	3,000 (1,360)	
	1.6	Load Center Distance	in (mm)	c	24 (610)	
	1.8	Load Center Distance, Center of Drive Axle to Fork	in (mm)	x	12.6 (320)	
	1.9	Wheelbase	in (mm)	y	43.9 (1,115)	45.7 (1,160)
Weights	2.1	Service Weight: (w/ Min. Weight of Battery)	lb (kg)		8,620 (3,910)	8,212 (3,725)
	2.2	Axle Load, Loaded Front/Rear	lb (kg)		10,070/1,550 (4,570/700)	10,050/1,160 (4,560/525)
	2.3	Axle Load, Unloaded Front/Rear	lb (kg)		4,565/4,055 (2,070/1,840)	4,640/3,570 (2,105/1,620)
Wheels & Tires	3.1	Tires: Pneumatic (P), Superelastic (SE), Cushion (C)			C	
	3.2	Tire Size, Front			18X7X12 1/8	
	3.3	Tire Size, Rear			10X5X6.5	
	3.5	Wheels, Number Front/Rear (X=Drive Wheels)			2x/2 (Dual)	
	3.6	Tread Width, Front	in (mm)	b10	35.1 (892.5)	
	3.7	Tread Width, Rear	in (mm)	b11	6.7 (170)	
	Basic Dimensions	4.1	Tilt of Mast/Fork Carriage - (F) = Forward/(R) = Reverse	deg	F/R	5/5
4.2		Height, Mast Lowered	in (mm)	h1	83.7 (2,125)	
4.3		Free Lift	in (mm)	h2	36.4 (925)	
4.4		Lift (w/ FFT 3-Stage Mast)	in (mm)	h3	190 (4,825)	
4.5		Height, Mast Extended	in (mm)	h4	238.6 (6,060)	
4.7		Height to Top of OHG	in (mm)	h6	88 (2,235)	
4.8		Stand Height	in (mm)	h7	8.5 (217)	
4.19		Overall Length	in (mm)	l1	107.3 (2,725)	109.0 (2,765)
4.20		Length to Fork Face	in (mm)	l2	66.0 (1,675)	67.5 (1,715)
4.21		Overall Width	in (mm)	b1	42 (1,070)	
4.22		Fork Dimensions	in (mm)	s/e/l	1.4x3.9x41.3 (35x100x1,050)	
4.23		Fork Carriage ISO 2328. Class/Type A, B			ISO Class II	
4.24		Fork Carriage Width	in (mm)	b3	38 (973)	
4.24.1		Fork Spacing (min/max)	in (mm)		9.4/35.7 (240/905)	
4.31		Ground Clearance, w/ Load, Below Mast	in (mm)	m1	2.5 (70)	
4.32		Ground Clearance, Center of Wheelbase	in (mm)	m2	4 (102)	
4.34.1		Aisle Width for Pallets 40"x 48" Crossways	in (mm)		111.7 (2,837)	113.4 (2,880)
4.34.2		Aisle Width for Pallets 48"x 40" Lengthways	in (mm)		117.7 (2,890)	119.4 (3,033)
4.35		Turning Radius	in (mm)	Wa	53.5 (1,360)	55.1 (1,400)
4.36	Internal Turning Radius	in (mm)		0		
Performance	5.1	Travel Speed, Loaded/Unloaded	mph (km/h)		7.5/7.5 (12.0/12.0)	
	5.2	Lift Speed, Loaded/Unloaded	fpm (mm/s)		65/110 (330/560)	
	5.3	Lowering Speed, Loaded/Unloaded	fpm (mm/s)		98/88 (500/450)	
	5.6	Maximum Drawbar Pull, Loaded/Unloaded, 5 Minute Rating	lb (N)		1,724 (7,664)	1,660 (7,380)
	5.8	Maximum Gradeability, Loaded/Unloaded, 5 Minute Rating	% (deg)		15 (8.5)	
	5.10	Service Brake			Elec/EAB	
	Parking Brake			Auto-Electric		
Electric	6.1	Drive Motor Rating S2 60 Minute	hp (kW)		6.0 (4.5)	
	6.2	Lifting Motor Rating at S3 15%	hp (kW)		12.1 (9.0)	
	6.4	Battery Voltage/Nominal Capacity	V/Ah	K5	36/930	36/1,085
	6.5	Battery Weight (Min.)	lb (kg)		1,995 (905)	2,280 (1,035)
	6.6	Battery Dimensions L/W/H	in (mm)		16.5/38.5/31.0 (419/978/787)	18.2/38.5/31.0 (462/978/787)
	Other	8.1	Type of Drive Control Unit			Inverter AC
8.2		Working Pressure for Attachments	psi (bar)	System	2,930 (202)	
				Attachment	2,040 (140)	
8.4		Sound Level at the Driver's Ear According to EN 12 053	dB (A)			67

Note : Specification values quoted in this spec sheet have been rounded. Performance may vary due to operating conditions. Products and specifications are subject to improvement and change without prior notices.



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