





DII	DIMENSIONS			
Ov	Overall operating height			
Α	with foundry/excavating bucket short	in (mm)	150.4 (3820)	
Α	with low profile/standard bucket	in (mm)	154.6 (3927)	
Α	with low profile extended/long bucket	in (mm)	159.6 (4055)	
He	Height to			
В	Bucket hinge pin	in (mm)	120 (3048)	
С	Top of ROPS	in (mm)	77.7 (1974)	
D	Bottom of level bucket, fully raised	in (mm)	113.3 (2877)	
Ov	Overall Length			
Е	without attachment with coupler	in (mm)	105.7 (2697)	
F	with foundry excavation bucket on ground	in (mm)	131.9 (3352)	
F	with low profile bucket	in (mm)	136.1 (3456)	
F	with low profile extended bucket	in (mm)	141.1 (3585)	
Du	mp			
G	Dump angle	degrees	52	
Н	Dump height			
	with foundry/excavating bucket short in (mm	in (mm)	93.7 (2380)	
	with low profile/standard bucket	in (mm)	90.7 (2305)	
J	Dump reach (max height)	in (mm)	30.8 (783)	

Maximum attachment rollback			
K	Bucket on ground	degrees	35
L	Bucket at full height	degrees	88
Tra	ck and clearance		
М	Wheelbase	in (mm)	44.4 (1128)
P	Ground clearance (bottom of belly pan)	in (mm)	7 (178)
Q	Angle of departure	in (mm)	23
Cle	arance circle		
R	Without bucket	in (mm)	50.7 (1289)
S	With foundry bucket in carry position	in (mm)	79.6 (2021)
S	With low profile bucket on ground	in (mm)	83.9 (2132)
S	With extended low profile bucket on ground	in (mm)	88.6 (2250)
Т	Clearance circle rear	in (mm)	62.9 (1599)
٧	Tread width	in (mm)	53.9 (1371)
W	Overall width	in (mm)	66.1 (1678)
EN	GINE		
Man	ufacturer/model		ISM / N4LDI-TA-45SL
Тур	е		Diesel 4-stroke, Turbo, D.I.
Bore	e/stroke in (mm)		3.31 x 3.94 (84 x 100)
Disp	placement in <sup>3</sup> (L)		135 (2.2)
Fuel	injection		HPCR Direct
Fuel			#2 diesel
Fuel	filter		Pre-filter spin on @ 30 microns Main- filter spin on @ 4 microns
Air intake		Turbocharged Aftercooled with external EGR	
Coo	ling		Liquid
Engine Speeds			
High	n idle - no load	rpm	2825 +/- 25
Rate	ed - full load	rpm	2800
Low	idle	rpm	1200 +/- 50

Horsepower per SAE JI 349		
	Gross hp (kW)	60 (45) @ 2800 rpm
	Net hp (kW)	57 (42) @ 2800 rpm
Peak torque	lb-ft (N•m)	135 (183) @ 1800 rpm

POWER TRAIN  Prive pump electro hydraulic  Pump to engine ratio  Displacement  in³ (L)  2.14 (35)  Flow  gpm (lpm)  25.1 (95)  System relief  psi (bar)  5220 (360)  Control  Prive Motors  Effective max displacement  in³ (cc)  Speed @ high idle engine  Trym  Speed @ optional high speed  rpm  443  Torque @ max displ. and relief pressure  Bigh (m/h)  Travel Speed  Low range  mph (km/h)  Final drive  Parking Brake  Type  UNDERCARRIAGE  System  Idlers / rollers per side  Ground Pressure  Fils (with spec belt)  Fils (with spec belt)	r cak torque	10-10 (14 111)	rpm
Pump to engine ratio  Displacement  in³ (L)  2.14 (35)  Flow  gpm (lpm)  25.1 (95)  Charge pressure  psi (bar)  362 (25)  System relief  psi (bar)  5220 (360)  Control  Electro hydraulic  Drive Motors  Effective max displacement  in³ (cc)  19.83 (325)  Effective Displacement opt high speed  in³ (cc)  5peed @ high idle engine  rpm  313  Speed @ optional high speed  rpm  443  Torque @ max displ. and relief pressure  Ib-ft (N•m)  1315 (1783)  Travel Speed  Low range  mph (km/h)  7.4 (11.9)  High range  mph (km/h)  final drive  Parking Brake  Type  Engagement  Depress on/off brake button on right hand joystick, disconnect all and relief seed.  Engagement  UNDERCARRIAGE  System  -  Idlers / rollers per side  Ground Pressure	POWERTRAIN		
Displacement in	Drive pump electro hydraulic		
Flow gpm (lpm) 25.1 (95) Charge pressure psi (bar) 362 (25) System relief psi (bar) 5220 (360) Control Electro hydraulic  Drive Motors  Effective max displacement in³ (cc) 19.83 (325) Effective Displacement opt high speed in³ (cc) - Speed @ high idle engine rpm 313 Speed @ optional high speed rpm 443 Torque @ max displ. and relief pressure lb-ft (N+m) 1315 (1783)  Travel Speed Low range mph (km/h) 7.4 (11.9) High range mph (km/h) 10.8 (17.4) Final drive mph (km/h) Single-reduction chain drive  Parking Brake  Type Spring applied, hydraulic release disc  Engagement Spring applied, or stop engine  UNDERCARRIAGE  System  Idlers / rollers per side  Ground Pressure	Pump to engine ratio		1:1
Charge pressure psi (bar) 362 (25)  System relief psi (bar) 5220 (360)  Control Electro hydraulic  Drive Motors  Effective max displacement in³ (cc) 19.83 (325)  Effective Displacement opt high speed in³ (cc) -  Speed @ high idle engine rpm 313  Speed @ optional high speed rpm 443  Torque @ max displ. and relief pressure lb-ft (N+m) 1315 (1783)  Travel Speed  Low range mph (km/h) 7.4 (11.9)  High range mph (km/h) 10.8 (17.4)  Final drive mph (km/h) Single-reduction chain drive  Parking Brake  Type Spring applied, hydraulic release disc  Engagement Depress on/off brake button on right hand joystick, disconnect lapbelt, get off seat, or stop engine  UNDERCARRIAGE  System  Idlers / rollers per side  Ground Pressure	Displacement	in³ (L)	2.14 (35)
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Torque @ max displ. and relief pressure   Ib-ft (N*m)   1315 (1783)  Travel Speed  Low range   mph (km/h)   7.4 (11.9)  High range   mph (km/h)   10.8 (17.4)  Final drive   mph (km/h)   Single-reduction chain drive  Parking Brake  Type   Spring applied, hydraulic release disc  Engagement   Depress on/off brake button on right hand joystick, disconnect lapbelt, get off seat, or stop engine  UNDERCARRIAGE  System   -   Idlers / rollers per side   -   Ground Pressure	Speed @ high idle engine	rpm	313
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hydraulic release disc  Engagement  Depress on/off brake button on right hand joystick, disconnect lapbelt, get off seat, or stop engine  UNDERCARRIAGE  System  - Idlers / rollers per side  Ground Pressure	Parking Brake		
UNDERCARRIAGE  System - Idlers / rollers per side -  Ground Pressure	Туре		hydraulic release
System - Idlers / rollers per side - Ground Pressure	Engagement		button on right hand joystick, disconnect lapbelt, get off seat,
Idlers / rollers per side	UNDERCARRIAGE		
Ground Pressure	System		-
	Idlers / rollers per side		-
PSI (with spec belt)	Ground Pressure		
	PSI (with spec belt)		-

HYDRAULIC SYSTEM			
Pumps			
Туре		Gear	
Displacement standard aux.	in³ (cc)	1.7 (27.8)	
Displacement high flow aux.	in³ (cc)	84 (13.8)	
Standard pump flow	gpm (Lpm)	20.6 (78)	
Optional high flow	gpm (Lpm)	30.7 (116.2)	
Enhanced high flow	gpm (Lpm)	-	
Loader control valve			
Туре		3 spool / open center / series	
Standard relief pressure	psi (bar)	3046 (210)	
Enhanced high flow relief pressure	psi (bar)	-	
Hydraulic filter		4 microns / spin	
CYLINDERS			
Lift Cylinder			
Bore diameter	in (mm)	2.25 (57)	
Rod diameter	in (mm)	1.38 (34.9)	
Stroke in	in (mm)	26.8 (681)	
Closed length	in (mm)	38.7 (982)	
Bucket Cylinders			
Bore diameter	in (mm)	2.5 (63.5)	
Rod Diameter	in (mm)	1.38 (34.9)	
Stroke in	in (mm)	16.1 (410)	
Closed length	in (mm)	24 (610)	
Rated Operating Load			
50% tip	lbs. (kg)	1800 (818)	
35% tip	lbs. (kg)	-	
Tipping load	lbs. (kg)	3600 (1633)	
Breakout Forces			
Lift cylinder	lbs. (kN)	2620 (11.7)	
Bucket cylinder	lbs. (kN)	5550 (24.7)	
		-	

Cycle Times		
Raise	sec	2.8
Lower	sec	2.3
Dump	sec	2.1
Roll back	sec	1.5
Loader control valve		
Туре		-
Standard relief pressure	psi (bar)	-
Enhanced high flow relief pressure	psi (bar)	-
Hydraulic filter		-
WEIGHTS		
Operating weight	lbs (kg)	6230 (2832)
Shipping weight	lbs (kg)	5930 (2695)
SERVICE CAPACITIES		
Fuel tank, gal (L)		19.5 (73.8)
Engine oil with filter, qt (L)		7.5 (7.1)
System Capacity with filter, qt (L)		34 (32.2)
DEF tank, gal (L)		-