

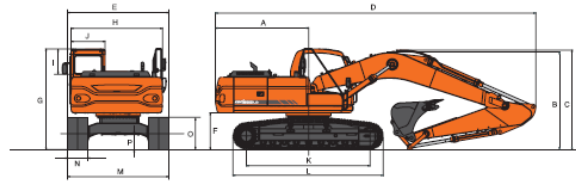
Equipment 1241 – Doosan DX225

BUCKET

CAPACITY		WIDTH		WEIGHT	RECOMMENDATIONS				
SAE, HEAPED	CECE, HEAPED	WITHOUT SIDE CUTTERS	WITH SIDE CUTTERS		17' 5" (5,300 mm)		19' 4" STD. (5,900 mm)		
					6' 7" (2,000 mm)	8' 2" (2,500 mm)	8' 2" (2,500 mm)	9' 10" STD. (3,000 mm)	11' 6" (3,500 mm)
1.37 yd <sup>3</sup> (1.05 m <sup>3</sup> )	1.20 yd <sup>3</sup> (0.92 m <sup>3</sup> )	4' 3" (1,308 mm)	4' 6" (1,370 mm)	1,631 lb. (740 kg)	A	A	A	A	C
1.44 yd <sup>3</sup> (1.1 m <sup>3</sup> )	1.24 yd <sup>3</sup> (0.95 m <sup>3</sup> )	4' 4" (1,315 mm)	4' 6" (1,375 mm)	1,819 lb. (825 kg)	A	A	A	B	-
1.53 yd <sup>3</sup> (1.17 m <sup>3</sup> )	1.31 yd <sup>3</sup> (1.0 m <sup>3</sup> )	4' 8" (1,428 mm)	4' 11" (1,491 mm)	1,753 lb. (795 kg)	A	A	B	C	-
1.69 yd <sup>3</sup> (1.28 m <sup>3</sup> )	1.44 yd <sup>3</sup> (1.1 m <sup>3</sup> )	5' 1" (1,542 mm)	5' 3" (1,605 mm)	1,830 lb. (830 kg)	A	B	B	-	-
1.83 yd <sup>3</sup> (1.40 m <sup>3</sup> )	1.59 yd <sup>3</sup> (1.22 m <sup>3</sup> )	5' 3" (1,606 mm)	5' 6" (1,666 mm)	2,161 lb. (980 kg)	B	C	C	-	-

A. Suitable for materials with density of 3,370 lb./yd.<sup>3</sup> (2,000 kg/m<sup>3</sup>) or less  
 B. Suitable for materials with density of 2,700 lb./yd.<sup>3</sup> (1,600 kg/m<sup>3</sup>) or less  
 C. Suitable for materials with density of 1,850 lb./yd.<sup>3</sup> (1,100 kg/m<sup>3</sup>) or less

DIMENSIONS



BOOM TYPE	ARM TYPE	19' 4" STD. (5,900 mm)			17' 5" (5,300 mm)	
		8' 2" (2,500 mm)	9' 10" STD. (3,000 mm)	11' 6" (3,500 mm)	6' 7" (2,000 mm)	8' 2" (2,500 mm)
		1.53 yd <sup>3</sup> (1.17 m <sup>3</sup> )	1.44 yd <sup>3</sup> (1.1 m <sup>3</sup> ) STD.	1.22 yd <sup>3</sup> (0.93 m <sup>3</sup> )	1.83 yd <sup>3</sup> (1.4 m <sup>3</sup> )	1.67 yd <sup>3</sup> (1.28 m <sup>3</sup> )
TAIL SWING RADIUS	A	→	9' 10" (2,995 mm)	←	←	←
SHIPPING HEIGHT (BOOM)	B	9' 11" (3,020 mm)	9' 9" (2,960 mm)	10' 3" (3,130 mm)	10' 8" (3,260 mm)	9' 11" (3,030 mm)
SHIPPING HEIGHT (HOSE)	C	10' 5" (3,180 mm)	10' 2" (3,100 mm)	10' 10" (3,290 mm)	11' 2" (3,410 mm)	10' 5" (3,180 mm)
SHIPPING LENGTH	D	33' 1" (10,100 mm)	33' (10,055 mm)	33' 1" (10,080 mm)	31' 4" (9,555 mm)	31' 1" (9,470 mm)
SHIPPING WIDTH	E	→	11' 2" (3,400 mm)	11' 6" (3,500 mm)	11' 2" (3,400 mm)	←
C/WEIGHT CLEARANCE	F	→	9' 9" (2,970 mm)	←	←	←
HEIGHT OVER CABIN	G	→	8' 11" (2,710 mm)	←	←	←
HOUSE WIDTH	H	→	2' 9" (845 mm)	←	←	←
CABIN HEIGHT ABOVE HOUSE	I	→	3' 4" (1,010 mm)	←	←	←
CABIN WIDTH	J	→	12' 7" (3,835 mm)	←	←	←
TUMBLER DISTANCE	K	→	15' 2" (4,625 mm)	←	←	←
TRACK LENGTH	L	→	11' 2" (3,400 mm)	11' 6" (3,500 mm)	11' 2" (3,400 mm)	←
UNDERCARRIAGE WIDTH	M	→	2' 7" (800 mm)	2' 11" (900 mm)	2' 7" (800 mm)	←
SHOE WIDTH	N	→	3' 3" (995 mm)	←	←	←
TRACK HEIGHT	O	→	1' 6" (450 mm)	←	←	←
CAR BODY CLEARANCE	P	→	←	←	←	←

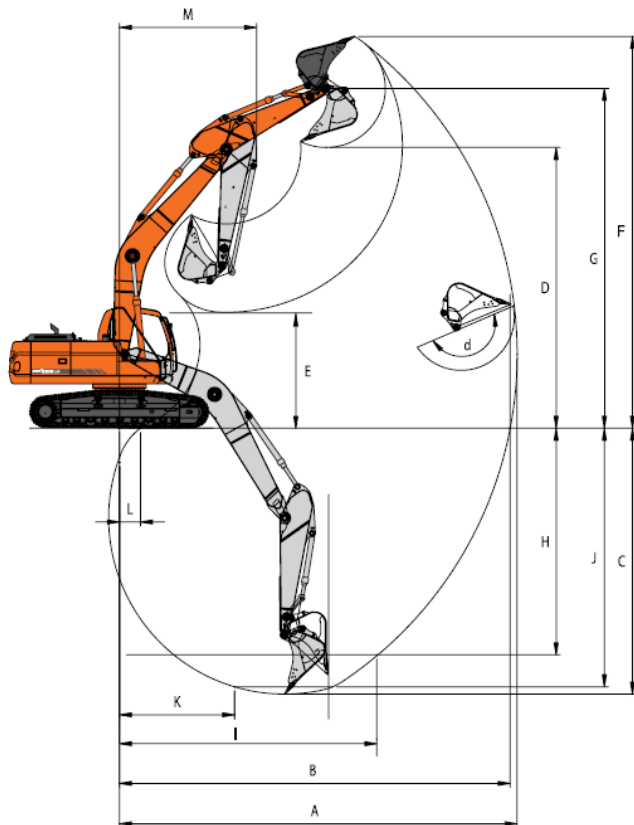
DIGGING FORCE (ISO)

BUCKET (PCSA)	1.37 yd <sup>3</sup> (1.05 m <sup>3</sup> )	1.44 yd <sup>3</sup> (1.1 m <sup>3</sup> )	1.53 yd <sup>3</sup> (1.17 m <sup>3</sup> )	1.69 yd <sup>3</sup> (1.28 m <sup>3</sup> )	1.83 yd <sup>3</sup> (1.40 m <sup>3</sup> )
DIGGING FORCE	41,005 lbf.	40,564 lbf.	41,005 lbf.	41,005 lbf.	40,564 lbf.
	18,600 kgf.	18,400 kgf.	18,600 kgf.	18,600 kgf.	18,400 kgf.
	182.6 kN	180.6 kN	182.6 kN	182.6 kN	180.6 kN

ARM	6' 7" (2,000 mm)	8' 2" (2,500 mm)	9' 10" (3,000 mm)	11' 6" (3,500 mm)
DIGGING FORCE	39,021 lbf.	32,187 lbf.	27,337 lbf.	24,471 lbf.
	17,700 kgf.	14,600 kgf.	12,400 kgf.	11,100 kgf.
	173.7 kN	143.3 kN	121.7 kN	109 kN

WORKING RANGE

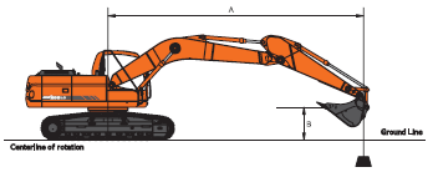


BOOM TYPE	ARM TYPE	19' 4" STD. (5,900 mm)			17' 5" (5,300 mm)	
		8' 2" (2,500 mm)	9' 10" STD. (3,000 mm)	11' 6" (3,500 mm)	6' 7" (2,000 mm)	8' 2" (2,500 mm)
		1.53 yd <sup>3</sup> (1.17 m <sup>3</sup> )	1.44 yd <sup>3</sup> (1.1 m <sup>3</sup> ) STD.	1.22 yd <sup>3</sup> (0.93 m <sup>3</sup> )	1.83 yd <sup>3</sup> (1.4 m <sup>3</sup> )	1.67 yd <sup>3</sup> (1.28 m <sup>3</sup> )
MAX. DIGGING REACH	A	31' 10" (9,710 mm)	33' 5" (10,195 mm)	35" (10,665 mm)	28' 7" (8,700 mm)	29' 9" (9,070 mm)
MAX. DIGGING REACH (GROUND)	B	31' 3" (9,515 mm)	32' 10" (10,010 mm)	34' 5" (10,488 mm)	27' 10" (8,481 mm)	29' 1" (8,859 mm)
MAX. DIGGING DEPTH	C	20' 9" (6,315 mm)	22' 4" (6,815 mm)	24" (7,315 mm)	17' 8" (5,380 mm)	19' 3" (5,880 mm)
MAX. LOADING HEIGHT	D	21' 10" (6,645 mm)	22' 9" (6,925 mm)	23' 6" (7,160 mm)	19' 8" (5,990 mm)	19' 9" (6,010 mm)
MIN. LOADING HEIGHT	E	9' 11" (3,030 mm)	8' 4" (2,530 mm)	6' 7" (2,010 mm)	10" (3,055 mm)	8' 3" (2,513 mm)
MAX. DIGGING HEIGHT	F	30' 6" (9,300 mm)	31' 6" (9,605 mm)	32' 4" (9,845 mm)	28' 6" (8,685 mm)	28' 3" (8,610 mm)
MAX. BUCKET PIN HEIGHT	G	26' 8" (8,130 mm)	27' 7" (8,410 mm)	28' 4" (8,645 mm)	24' 6" (7,470 mm)	24' 7" (7,490 mm)
MAX. VERTICAL WALL DEPTH	H	15' 1" (4,595 mm)	17' 2" (5,225 mm)	18' 8" (5,690 mm)	13' 2" (4,015 mm)	13' 3" (4,035 mm)
MAX. RADIUS VERTICAL	I	23' 6" (7,165 mm)	23' 9" (7,230 mm)	23' 9" (7,425 mm)	20' 9" (6,325 mm)	22' 4" (6,795 mm)
MAX. DEPTH TO 8' LINE	J	20" (6,100 mm)	21' 9" (6,630 mm)	23' 5" (7,148 mm)	16' 10" (5,140 mm)	18' 6" (5,630 mm)
MIN. RADIUS 8' LINE	K	9' 8" (2,950 mm)	9' 10" (2,995 mm)	9' 11" (3,035 mm)	8' 5" (2,553 mm)	8' 1" (2,470 mm)
MIN. DIGGING REACH	L	2' 3" (685 mm)	2" (600 mm)	-7" (-190 mm)	5' 11" (1,810 mm)	1' 6" (445 mm)
MIN. SWING RADIUS	M	12' 9" (3,885 mm)	12' 7" (3,845 mm)	12' 8" (3,865 mm)	11' 6" (3,510 mm)	11' 9" (3,580 mm)
BUCKET ANGLE (DEG)	d	175°	175°	175°	175°	175°

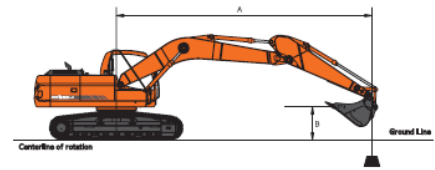
# McCrosin Equipment Catalog

## LIFTING CAPACITY

Boom: 17'5" (5,300 mm)  
 Arm: 6'7" (2,000 mm)  
 Bucket: SAE 1.83 yd.<sup>3</sup> (1.4 m<sup>3</sup>)  
 Shoe: 31.5" (800 mm)  
 Counterweight: 5.18 ton (4.7 metric ton)



Boom: 17'5" (5,300 mm)  
 Arm: 8'2" (2,500 mm)  
 Bucket: SAE 1.69 yd.<sup>3</sup> (1.28 m<sup>3</sup>)  
 Shoe: 31.5" (800 mm)  
 Counterweight: 5.18 ton (4.7 metric ton)



Unit: 1,000 lb.

B (ft.)	10		15		20		MAX. REACH		A (ft.)
	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	
20							9.83*	9.83*	19.62
15			17.99*	17.99*	15.59*	13.04	9.67*	9.67*	22.33
10	21.07*	21.07*	22.19*	19.72	17.23*	12.51	10.14*	9.45	23.71
5			25.86*	18.56	18.51	11.98	11.29*	9.05	23.97
0 (ROUND)	25.66*	25.66*	27.26*	18.02	18.15	11.66	11.50*	9.39	23.16
-5	17.42*	16.68	16.19*	18.01	18.15	11.66	11.68	10.78	21.14
-10	10.68*	10.68*	21.86*	18.47			17.83*	14.65	17.50

Unit: 1,000 lb.

B (ft.)	5		10		15		20		MAX. REACH		A (ft.)
	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	
20							14.14*	13.28	12.32*	12.32*	20.67
15					17.11*	17.11*	14.90*	13.12	12.24*	9.97	23.27
10					21.50*	20.16	16.75*	13.64	12.86*	8.87	24.58
5					25.50*	18.96	18.67*	12.13	12.86*	8.52	24.84
0 (ROUND)					25.31*	25.31*	27.36*	18.33	11.78	13.6	24.05
-5	26.00*	26.00*	39.08*	36.95	26.70*	18.23	18.21	11.7	15.53	10.07	22.13
-10			32.97*	32.97*	23.16*	18.57			17.39*	13.3	18.68

Unit: 1,000 kg.

B (m)	2		3		4		5		6		7		MAX. REACH		A (m)
	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	
7							7.32*	7.32*					7.35*	7.35*	5.06
6							7.19*	7.19*					7.12*	7.12*	5.92
5							7.71*	7.71*	7.16*	6.01			7.07*	5.16	6.51
4				10.41*	10.41*		8.57*	8.08	7.57*	5.93			7.01	4.81	6.90
3				9.58*	7.77	8.11*	5.79	6.78	4.45	6.56	4.3	7.13			
2				10.48*	7.51	8.64*	5.85	6.72	4.30	6.38	4.16	7.21			
1				11.09*	7.33	8.59	5.53	6.66	4.33	6.42	4.18	7.15			
0 (ROUND)				14.37*	10.28	11.29*	7.23	8.51	5.47	6.71	4.36	6.59			
-1			14.72*	14.72*	13.86*	10.32	11.07*	7.21	8.5	5.46		7.33	4.75	6.93	
-2	16.25*	16.25*	15.86*	15.86*	12.82*	10.43	10.30*	7.28	8.04*	5.53		7.94*	5.48	6.04	
-3			13.53*	13.53*	10.98*	10.64	8.53*	7.45				7.85*	6.96	5.24	

Unit: 1,000 kg.

B (m)	2		3		4		5		6		7		MAX. REACH		A (m)		
	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠			
7													5.83*	5.83*	5.58		
6										6.40*	6.21		5.58*	5.58*	6.36		
5									7.04*	7.04*	6.62*	6.16	5.53*	4.76	6.91		
4						12.26*	12.26*	9.39*	8.39*	7.66*	7.04*	6.04	6.63*	4.63	5.82*	4.29	
3								11.31*	11.31*	9.07*	7.9	7.72*	5.88	6.89	4.54	5.85*	4.01
2								13.03*	10.8	10.03*	7.61	8.34*	5.71	6.79	4.45	5.93	3.88
1								14.07*	10.45	10.81*	7.38	8.63	5.57	6.7	4.37	5.95	3.80
0 (ROUND)								11.06*	11.06*	14.43*	10.29	11.21*	7.24	8.52	6.47	6.64	4.32
-1	10.36*	10.36*	15.80*	15.80*	14.22*	10.25	11.22*	7.18	8.47	5.43					6.65	4.32	6.99
-2	15.52*	15.52*	17.27*	17.27*	13.46*	10.32	10.74*	7.2	8.5	5.46					7.54	4.88	6.47
-3	19.76*	19.76*	15.25*	15.25*	12.06*	10.47	9.99*	7.31							7.88*	5.96	5.73
-4			12.04*	12.04*	9.49*	9.49*									7.96*	7.96*	4.87

1. LOAD POINT IS THE END OF THE ARM.  
 2. CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.  
 3. LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 60% OF HYDRAULIC CAPACITIES.

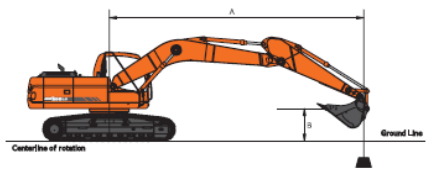
⚠ Rating Over Front  
 ⚠ Rating Over Side or 360 degree

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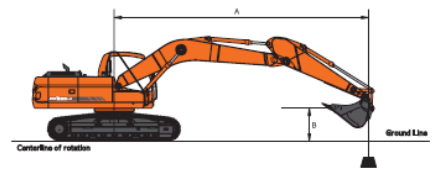
⚠ Rating Over Front  
 ⚠ Rating Over Side or 360 degree

## LIFTING CAPACITY

Boom: 19'4" (5,900 mm)  
 Arm: 9'10" (3,000 mm)  
 Bucket: SAE 1.44 yd.<sup>3</sup> (1.1 m<sup>3</sup>)  
 Shoe: 31.5" (800 mm)  
 Counterweight: 5.18 ton (4.7 metric ton)



Boom: 19'4" (5,900 mm)  
 Arm: 11'6" (3,500 mm)  
 Bucket: SAE 1.20 yd.<sup>3</sup> (.92 m<sup>3</sup>)  
 Shoe: 35.43" (900 mm)  
 Counterweight: 5.18 ton (4.7 metric ton)



Unit: 1,000 lb.

B (ft.)	5		10		15		20		25		MAX. REACH		A (ft.)						
	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠							
25												7.52*	7.52*	22.16					
20									8.47*	8.47*	7.21*	7.21*	25.60						
15							12.30*	12.30*	11.34*	8.98	7.31*	7.31*	27.74						
10							29.84*	29.84*	18.67*	18.67*	14.47*	12.5	12.39*	8.6	7.73*	6.83	28.86		
5							19.36*	19.36*	23.06*	18.24	16.72*	11.71	12.68	8.2	8.54*	6.34	29.07		
0 (ROUND)							22.13*	22.13*	25.69*	17.26	17.62	11.13	12.34	7.88	9.92*	6.43	28.41		
-2	20.67*	20.67*	28.84*	28.84*	26.18*	16.59	17.31	10.85	12.18	7.74							16.80		
-10	29.19*	29.19*	35.98*	34.94	34.74*	17.04	17.34	10.88									14.08		
-15			29.33*	29.33*	20.74*	17.56											14.98*	11.61	19.65

Unit: 1,000 lb.

B (ft.)	5		10		15		20		25		30		MAX. REACH		A (ft.)															
	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠																
25															6.59*	6.59*	23.87													
20															6.31*	6.31*	27.10													
15															9.21*	9.21*														
10															11.53*	11.53*	10.80*	9.35												
5															26.31*	26.31*	17.36*	13.78*	12.94	11.95*	8.93	7.15*	6.44	6.65*	6.36	30.19				
0 (ROUND)															23.79*	23.79*	22.07*	18.86	16.18*	12.09	13.03	8.48	8.40*	6.23	7.26*	6.09	30.39			
-2															23.58*	23.58*	25.21*	17.71	18.03	11.44	12.63	8.12			8.29*	6.15	29.75			
-5															19.01*	19.01*	26.29*	26.29*	26.29*	17.22	17.61	11.08	12.41	7.92			10.04*	6.6	28.23	
-10															26.41*	26.41*	37.44*	35.1	26.43*	17.21	17.58	11.01	12.44	7.94			12	7.67	25.62	
-15															35.54*	35.54*	31.96*	31.96*	22.24*	17.61	16.08*	11.32					14.94*	10.16	21.57	
-20																												14.55*	14.55*	14.92

Unit: 1,000 kg.

B (m)	2		3		4		5		6		7		8		MAX. REACH		A (m)						
	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠							
7															4.80*	4.80*							
6															5.35*	5.35*	5.24*	4.71					
5															5.79*	5.79*	5.46*	4.66	4.49*	3.6	3.76*	3.47	8.54
4				12.01*	12.01*		8.89*	8.89*	7.33*	7.33*	6.41*	5.96	5.82*	4.56	5.45	3.56	3.82*	3.18	8.45				
3				10.88*	10.88*	8.46*	7.72	7.11*	5.75	6.26*	4.44	5.38	3.5	3.94*	3.01	6.64							
2				12.59*	10.44	9.52*	7.37	7.79*	5.54	6.65	4.31	5.31	3.42	4.15*	2.92	8.71							
1				13.62*	10.05	10.33*	7.1	8.25*	5.36	6.53	4.19	5.23	3.36	4.46*	2.9								