

SA

DCG 120-12 FORKLIFT

12.0T DIESEL HEAVY DUTY FORKLIFT

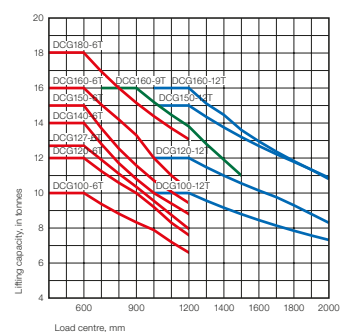


DRIVETRAIN

Cummins B4.5 ZF 3WG161 (123 kW)		
ENGINE	Manufacturer's type designation	Cummins B4.5 (Turbo-Intercooler)
	Fuel, type of engine	Diesel, 4-stroke
	Rating ISO 3046 / at revs	kW / rpm 123 / 2200
	Peak torque ISO 3046 / at revs	Nm / rpm 763 / 1200
	Number of cylinders / displacement	cm³ 4 / 4506
	Fuel consumption, normal driving	l/h 7-9
	AdBlue consumption, normal driving	% of diesel 4-6
	Emission standard	EU Stage V / USA EPA Tier 4 final
GEARBOX & MISC.	Manufacturer's type designation	ZF 3WG161
	Clutch, type	Torque converter
	Gearbox, type	Hydrodynamic Powershift
	Numbers of gears, forward / reverse	3 / 3
	Alternator, type / power	W AC / 1960
	Starting battery, voltage / capacity	V / Ah 2x12 / 145
	Driving axle, manufacturer / type	Kessler D61/D81 / Differential and hub reduction

Cummins QSB4.5 ZF 3WG161 (119 kW)		
Cummins QSB4.5 (Turbo-Intercooler)		
Diesel, 4-stroke		
119 / 2200		
624 / 1500		
4 / 4457		
7-9		
N/A		
EU Stage IIIA		
ZF 3WG161		
Torque converter		
Hydrodynamic Powershift		
3 / 3		
AC / 1960		
2x12 / 145		
Kessler D61/D81 / Differential and hub reduction		

LIFTING CAPACITIES



PERFORMANCE

		DCG100-6T	DCG120-6T	DCG127-6T	
PERFORMANCE CUMMINS B4.5	Lifting speed	Unloaded (m/s)	0.45	0.35	0.35
	Lowering speed	At 80 % of rated load (m/s)	0.40	0.30	0.30
		Unloaded (m/s)	0.40	0.40	0.40
	Travelling speed,	At rated load (m/s)	0.40	0.40	0.40
		Unloaded (km/h)	29	29	30
	Gradeability, max.	At rated load (km/h)	28	28	28
		Unloaded (%)	94	89	79
	Gradeability, at 2 km/h	At rated load (%)	46	42	38
		Unloaded (%)	66	64	58
	Drawbar pull	At rated load (%)	36	33	30
Max. (kN)		109	109	105	
Noise level, inside	LpA2*, Essential cabin (dB(A))	76	76	76	
Noise level, outside	LpA2*, Essential cabin OHG (dB(A))	-	-	-	
	LWA* (dB(A))	107	107	107	

DCG140-6T	DCG150-6T	DCG100-12T	DCG120-12T	DCG150-12T	DCG160-6T	DCG160-9T	DCG160-12T	DCG180-6T
0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
30	30	30	30	30	30	30	30	30
28	27	28	28	27	27	27	27	27
77	64	67	62	55	65	57	52	60
36	32	39	35	30	31	29	28	28
56	48	50	47	42	49	43	40	45
28	25	31	27	24	25	23	22	22
105	105	105	105	105	105	105	105	105
76	76	76	76	76	76	76	76	76
-	-	-	-	-	-	-	-	-
107	107	107	107	107	107	107	107	107

PERFORMANCE CUMMINS QSB4.5	DCG100-6T				DCG120-6T		DCG127-6T	
	Lifting speed	Unloaded (m/s)	0.45	0.35	0.35			
	Lowering speed	At 80 % of rated load (m/s)	0.40	0.30	0.30			
		Unloaded (m/s)	0.40	0.40	0.40			
	Travelling speed,	At rated load (m/s)	0.40	0.40	0.40			
		Unloaded (km/h)	29	29	30			
	Gradeability, max.	At rated load (km/h)	27	27	27			
		Unloaded (%)	77	74	67			
	Gradeability, at 2 km/h	At rated load (%)	41	36	33			
		Unloaded (%)	61	58	53			
Drawbar pull	At rated load (%)	34	30	28				
	Max. (kN)	98	98	94				
Noise level, inside	LpA2*, Essential cabin (dB(A))	76	76	76				
Noise level, inside	LpA2**, Essential cabin CHG (dB(A))	-	-	-				
	LWA** (dB(A))	108	108	108				
Noise level, outside	LWA** (dB(A))	108	108	108				

DCG140-6T	DCG150-6T	DCG100-12T	DCG120-12T	DCG150-12T	DCG160-6T	DCG160-9T	DCG160-12T	DCG180-6T
0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
30	30	30	30	30	30	30	30	30
27	26	27	27	26	26	26	26	26
65	55	57	53	46	56	49	45	51
31	28	34	31	26	27	26	25	25
52	45	47	43	39	45	40	37	42
26	24	29	26	22	23	22	21	21
94	94	94	94	94	94	94	94	94
76	76	76	76	76	76	76	76	76
-	-	-	-	-	-	-	-	-
108	108	108	108	108	108	108	108	108

* Noise level according to EN12053
** Noise level according to 2000/14/EC