



**C Series**

**Technical Information Sheet  
C14 - C20 - C25 - C20GS - C30**

e-05/2006

Typ		DLT0206									
Trade Name		C14		C20		C25		C20GS		C30	
<b>Performance Data</b>											
Free Air Delivery at Rated Pressure*	m <sup>3</sup> /min	1,4		2,0		2,5		2,0		3,0	
Normal Working Pressure (set at factory) On Load/Off Load	bar (g)	6	7	6	7	6	7	6	7	6	7
Maximum (rated) Working Pressure: On Load/Off Load	bar (g)	7	8	7	8	7	8	7	8	7	8
Minimum Working Pressure Pressure:	bar (g)	5		5		5		5		5	
Engine full load speed/Off load speed	U/min	2900	2200	2600	2000	3000	2000	2600	1800	2600	1800
Compressor power required at 7 bar g at max. rpm	kW	9,8		13,1		16,7		13,1		19,7	
Fan and alternator power at max rev/min.	kW	0,9		1,4		1,4		1,8		1,8	
Max. ambient temp.at 7 bar g continuous full load	°C	50		45		45		45		45	
Minimum ambient starting temp.( with standard pressure vessel)	°C	-10		-10		-10		-10		-10	
Max air oil discharge temp (Deduct 10° at air tap)	°C	117		117		117		117		117	
Delivered air temp. above ambient post optional aftercooler	°C	-		-		-		-		-	
max.altitude above sea level at max. pressure full load	m / °C	1000	30	1000	20	1000	20	1000	20	1000	20
Fuel consumption at max. working pressure continuous full load	ltr/h	4,8		5,1		5,9		6,9		6,9	
<b>Compressor System Details</b>											
Compressor drive gear	Verh.	belt		direct		gear		direct		gear	
Compressor Oil System Capacity	Litres	4,0		6,3		6,3		6,6		6,6	
Pressure Vessel Volume	Litres	6		13,5		13,5		13,5		13,5	
Pressure Vessel Safety Valve rating	bar	12,0		13,0		13,0		13,0		13,0	
Compressed Air Outlets		1 x 3/4"		1 x 3/4"		2 x 3/4"		1 x 3/4"		2 x 3/4"	
<b>Engine details</b>											
Type		Honda GX 610V-Twin		KUBOTA D1105		KUBOTA D1105		KUBOTA V1505		KUBOTA V1505	
Output, gross at full load speed	kW	13,20		16,7		19,4		22,7		22,7	
Electrical System		12V negative earth		12V negative earth		12V negative earth		12V negative earth		12V negative earth	
Battery : Number/ cold startperformance		1x 32AH / 12V		1 x 55 AH / 12V		1 x 66 AH / 12V		1 x 66 AH / 12V		1 x 66 AH / 12V	
Alternator		14V / 3A		12V / 14A		12V / 14A		12V / 14A		12V / 14A	
Lubricating Oil Capacity	Litres	1,5		5,1		5,1		6,0		6,0	
Fuel Tank Capacity	Litres	20		40		40		40		40	
Air Inlet Filter		dry paper		2 stage dry paper into common manifold with compressor filter							
<b>Dimensions</b>											
Overall Length, straight towbar	mm	1010		2872 /2925 braked		2872 /2925 braked		2872 /2925 braked		2872 /2925 braked	
Overall Length, adjustable towbar min/max	mm	--		3169 / 3227 braked 2947 / 3005 unbraked		3169 / 3227 braked 2947 / 3005 unbraked		3169 / 3227 braked 2947 / 3005 unbraked		3169 / 3227 braked 2947 / 3005 unbraked	
Overall width	mm	1010		1200		1200		1200		1200	
Height	mm	630		1194		1194		1194		1194	
Canopy Length	mm	1010		1650		1650		1650		1650	
Wheel Track	mm	--		1022		1022		1022		1022	
Ground Clearance,minimum	mm	--		287 braked /255 unbraked		287 braked /255 unbraked		287 braked /255 unbraked		287 braked /255 unbraked	
Adjustable towbar hitch height min/max (braked / unbraked)	mm	--		380 / 840 braked 214 / 680 unbraked		380 / 840 braked 214 / 680 unbraked		380 / 840 braked 214 / 680 unbraked		380 / 840 braked 214 / 680 unbraked	
Tyre Size		--		145R13 5.00-10C		145R13 5.00-10C		145R13		145R13	
Wheel Size		--		4,5 Bx13 3.50Bx10		4,5 Bx13 3.50Bx10		4,5 B x 13		4,5 B x 13	
Tyre Pressure	bar g	--		2,2 2,75		2,2 2,75		2,2		2,2	
<b>Weight</b>											
Battery (wet)	kg	13		15		17,5		17,5		17,5	
Compressor unit only	kg	30		64		67		64		67	
Compressor complete, dry (without options) (braked, straight / adjustable)	kg	138		504 / 529		509 / 534		581 / 609		531 / 559	
Compressor complete, wet (without options) (braked, straight / adjustable)	kg	160		550 / 575		555 / 580		627 / 655		577 / 605	
Max. permissible weight ( braked, straight / adjustable)	kg	--		750 / 750 (500 unbraked adjstbl)		750 / 750 (500 unbraked adjstbl)		750 / 750		750 / 750	
<b>Noise levels</b>											
Max Sound Power to 2000/14/EC	dB(A) L <sub>WA</sub>	99		97		98		98		98	
Max Sound Pressure to PNEUROP PN8NTC2.2 @ 1 m	dB(A) L <sub>PA</sub>	85		81		82		82		82	
Max Sound Pressure to PNEUROP PN8NTC2.2 @ 7 m	dB(A) L <sub>PA</sub>	71		68		69		69		69	
<b>Generator Specification (C17GS)</b>											
<b>6,0 kVA single phase 110V AC, 50Hz</b>						Power Sockets: 2 x CEE 16A and 1 x CEE 32A Power sockets, 2 Pole and earth, to BS 4343/CEE 17 110V					
<b>6,0 kVA single phase 220V AC, 50Hz</b>						Power Sockets: single phase 2xCEE16A					
<b>Protection Equipment</b>											
An electrically operated shut-down system will stop the plant automatically in the events of:			1. Low engine oil pressure 2. High air temperature (compressor unit)			1. Low engine oil pressure 2. High engine temperature 3. High air temperature (compressor unit)					
<b>Notes</b>											
*Acc. to ISO 1217 Ed. 3 1996 Annex D											