



C Series
Technical Information Sheet
C35 - C50

For internal use

TI DLT0408
GB
Feb 11

Screw Compressor Series

DLT 0408

Trade Name		C35-10	C35-10G	C38	C38G	C42	C42G	C50	C50G
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Performance Data

Free air delivery* at rated pressure	m ³ /min	3,5		3,8		4,2		5,0	
Working pressure, full load / off load, factory setting	bar g	10 / 11,5				7 / 8			
Working pressure max., full load / off load	bar g	10 / 11,5				8 / 9			
Working pressure minimum, full load	bar g					4,75			
Ambient temperature max. @ max. pressure & full load	°C	50	45	50	45	50	45	50	45
Lowest operating ambient temperature allowed	°C					-10			
Compressed air outlet temperature above ambient temperature @ optional after cooler	°C			8				10	
Operating height max. at max. pressure & full load	m a.s.l.					1500			
Compressor oil system capacity	lit					9,0			
Compressed air outlets						2 x 3/4"			

Engine details

Type		YANMAR 4TNV88BKCP							
Output nominal at full load speed	kW	35,0							
Full load speed / Off load speed	rpm	2800 / 1600							
Electrical system, negative earth		12V							
Battery size / cold start performance / SAE J537		74Ah / 680A							
Alternator		12V / 40A							
Air inlet filters, engine / compressor - 2 stage dry		1/1							
Cooling medium, water capacity	lit	6,5							
Lubricating oil capacity	lit	7,4							
Fuel tank capacity	lit	60							
Fuel consumption at max. working pressure & full load w/o generator	lit/h	9,5		8,4		9,3		9,9	
Fuel consumption at 75% full load	lit/h	8,6		7,2		8,4		8,9	
Fuel consumption at 50% full load	lit/h	7,4		5,9		7,1		7,6	
Fuel consumption at 25% full load	lit/h	5,7		4,5		5,4		5,9	
Fuel consumption at idle	lit/h	3,7		3,0		3,5		3,8	

Dimensions

Overall length, tow bar braked, height adjustable, 40 mm eye	mm	3586 / max. 3797							with after cooler +100	
Length, tow bar unbraked, height adjustable, 40 mm eye n/a with generator	mm	3004 / max. 3215								
Length, tow bar fixed, braked and off road, 40 mm eye	mm	3065								
Overall width	mm	1490								
Overall height, tow bar braked, height adjustable, fixed and off road	mm	1327								
Overall height, tow bar unbraked, height adjustable	mm	1315								
Height of eye, tow bar height adjustable	mm	min. 207 / max. 808								
Canopy length	mm	1775							with after cooler +100	
Wheel track	mm	1300								
Ground clearance	mm	200								
Tyre size		155 SR 13								
Wheel size		4 1/2 J x 13								
Tyre pressure	bar g	2,5								

Weight without options

Chassis, tow bar braked, height adjustable	kg	810	895	810	895	810	895	866	955
Chassis, tow bar braked, fixed	kg	775	860	775	860	775	860	835	920
Chassis, tow bar unbraked, height adjustable	kg	745	n/a	745	n/a	745	n/a	n/a	n/a
Chassis, off road	kg	740	825	740	825	740	825	800	885
Max. permissible weight braked & off road / unbraked	kg	1025 / 750							

Noise levels

Sound power level L _{WA} max. according to 2000/14/EC, permissible	dB(A)	98							
Sound pressure level L _{PA} max./ PNEUROP PN8NTC2.2 @ 1 m	dB(A)	82							
Sound pressure level L _{PA} max./ PNEUROP PN8NTC2.2 @ 7 m	dB(A)	69							

Option

Generator 7,0 kVA single phase 110V AC, 50Hz	Mains sockets: 2 x CEE 16A and 1 x CEE 32A
Generator 9,0 kVA 400/230V AC, 50Hz	Mains sockets: single phase 2xCEE16A and three phase 1xCEE 16A
Generator 15,0 kVA 400/230V AC, 50Hz	Mains sockets: single phase 2xCEE16A and three phase 1xCEE 20A

*According to ISO 1217 Ed. 4 2009 Annex D