

## PORTABLE COMPRESSORS

# CMP-P86-14 TO CMP-P141-9 PRODUCT RANGE



### At a glance...

 **Nominal Pressure**  
5 - 14 bar g

 **Engine Power**  
90 - 105 kW

 **Volume Flow**  
8.6 - 13.3 m<sup>3</sup>/min

Designed for the toughest site conditions, whether it's for road building, civil engineering or restoration work, this range of compressors offers outstanding reliability, performance and compressed air quality. With fully accessible doors, maintenance is also made easy. The compressor as standard is equipped with numerous options, offering a substantial cost saving to the customer. Thanks to the inclusion of two batteries, reliable running and performance can be achieved even in cold conditions. The long life cycle of these compressors is further enhanced by additional engine management protection. Energy efficient Deutz TCD4.1 L4 Diesel engines are fitted with electronic fuel injection to meet the European exhaust emission standards.

#### Soft Start

Extends the engine lifetime by reducing engine stress during start-up and allowing the engine to reach running temperature with the compressor unloaded.

#### Easy Access Side Wing Doors

Offering excellent accessibility for easy maintenance.

#### Air Filters

Separate air filters for engine and air compressor.

#### Reliable, Robust and Diesel-saving DEUTZ TCD4.1 L4 Series Engine

- Fulfills stage IV and stage V of the EU emission standard.
- Diesel Particle Filter (DPF) as standard.

#### Robust Control Panel protection

Protects the electronic control panel and instrumentation.

#### Flexible Power Management (FPM)

This function, which is available as standard, allows the user to easily scroll through the minimum and maximum pressure settings matching the pressure and output to the task. Therefore this compressor is suitable for various different applications.

#### Fuel Filter

Fuel contamination is controlled by a high quality filter which includes water separation. In addition to this every compressor has a manual fuel pump as standard.

#### 24 V Electric System

Ensures sufficient power reserves in case of cold starts and a safe run-up ability.

#### Progressive Volume Flow Regulation

Engine speed and air intake regulation are automatically adapted to compressed air requirement.

#### Air End With Spin-On Oil Filter Cartridge

For quick and easy maintenance.

#### Internal Main Switch Board

To avoid unauthorised operation.

#### Central Lifting Eye

For easy handling by crane.

#### Plastic Fuel Tank

With direct visual level indication.

#### Operational Reliability

Designed for -10 to +45° C ambient temperature.

#### Oil Temperature Regulation Valve

Ensures safe operation of compressor at low ambient temperatures or extreme partial load.

#### Optional Filtration

According to ZTV-ING part 3 section 4.



### Portable-Control 3

#### • Digital display

All the necessary operation data at a glance

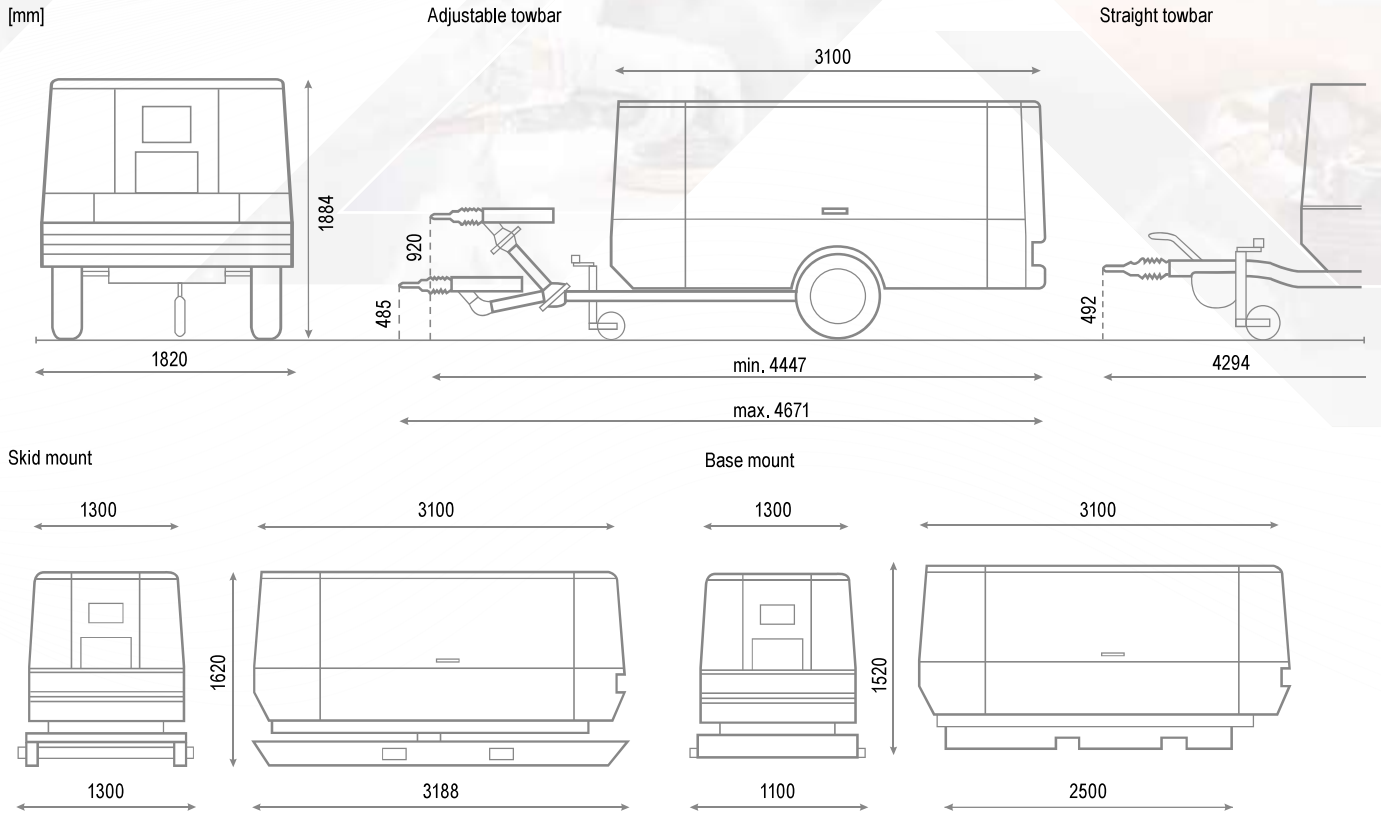
#### • Quick and easy pressure setting

#### • Fault memory with detailed operating data

#### • Automatic protection in case of malfunction:

- Engine oil pressure too low
- Cooling water temperature too high
- Intercooler temperature too high
- Aired temperature too high
- Engine Cooling water level too low
- Fuel level too low
- Water in fuel pre filter
- Load control (v-belt break, alternator defect)
- Hardware errors





## Technical Data - CMP-P86-14 to CMP-P141-9

TYPE			CMP-P111-9	CMP-P101-10	CMP-P96-12	CMP-P86-14	CMP-P141-9	CMP-P131-10	CMP-P116-12	CMP-P106-14
OPERATING PRESSURE			Available Volume Flow [cfm / m <sup>3</sup> / min]							
	psi	bar	381 10.8	381 10.8	381 10.8	381 10.8	470 13.3	470 13.3	470 13.3	470 13.3
	<124.7	<8.6	-	353 10.0	353 10.0	353 10.0	-	441 12.5	441 12.5	441 12.5
	124.7-145	8.6-10	-	-	332 9.4	332 9.4	-	-	406 11.5	406 11.5
	145-174	10-12	-	-	-	304 8.6	-	-	-	371 10.5
	174-203	12-14	-	-	-	-	-	-	-	-
ENGINE			Deutz TCD 4.1 L4							
Installed engine power		kW	90	90	90	90	105	105	105	105
RPM-range		rpm	1300 - 2300	1300 - 2100	1300 - 2000	1300 - 1850	1300 - 2200	1300 - 2050	1300 - 1900	1300 - 1750
OPERATING WEIGHT <sup>2)</sup>										
Portable compressor	adjustable towbar braked	kg	2075	2075	2075	2075	2160	2160	2160	2160
	straight towbar braked	kg	2000	2000	2000	2000	2085	2085	2085	2085
Permissible gross weight			kg							
			2500	2500	2500	2500	2500	2500	2500	2500
FILLING CAPACITIES										
Engine oil		l	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
Diesel tank		l	175	175	175	175	175	175	175	175
Adblue tank capacity		l	20	20	20	20	20	20	20	20
Compressor oil		l	20	20	20	20	25.5	25.5	25.5	25.5
DIMENSIONS AND CONNECTIONS										
Length	adjustable towbar braked	mm	4447 - 4671	4447 - 4671	4447 - 4671	4447 - 4671	4447 - 4659	4447 - 4659	4447 - 4659	4447 - 4659
	straight towbar braked	mm	4294	4294	4294	4294	4294	4294	4294	4294
Width		mm	1820	1820	1820	1820	1820	1820	1820	1820
		mm	1884	1884	1884	1884	1884	1884	1884	1884
Height		mm	1884	1884	1884	1884	1884	1884	1884	1884
Compressed air outlets			2 x 3/4" and 1 x 2"							
SOUND LEVEL										
Sound pressure level <sup>3)</sup>		dB(A) LPA	70	70	70	70	70	70	70	70

<sup>1)</sup> Acc. to ISO 1217 Ed. 4 2009 Annex D <sup>2)</sup> Operating weight without options <sup>3)</sup> Noise level acc. to PNEUROP PN8NTC2.2 at 7 m