

## C50 - AC176 CFM COMPRESSOR



### DESCRIPTION

The highly successful CompAir range C50 is driven by very quiet-running, water-cooled Yanmar 4TNV88BKCP 4-cylinder diesel engines. The aftercooler compressor is particularly suitable for applications in cities and built-up areas, where stringent restrictions are set on noise emissions. The light construction of under 750kg (C38 and C42) makes this mine compressor suitable for many different applications.

### TECHNICAL SPECIFICATIONS

#### Operational Data

Volume flow [Optional 9 or 15kVA Generator] (m³/min)	5.0
Operating pressure (bar)	7
Compressed air outlet	2 x 3/4"

#### Engine

Installed engine power (kW)	35.0
Engine off load speed (1/min)	1600
Engine full load speed (1/min)	2600
Fuel tank capacity (L)	60

#### Operating Weight<sup>(1)</sup>

Portable compressor:		
adjustable towbar braked (kg)	866	
straight towbar braked (kg)	835	
straight towbar unbraked (kg)	800	
Base mount (kg)	780	
Skid mount (kg)	800	

#### Dimensions

Length:	
adjustable towbar braked (mm)	3586 - 3797
straight towbar braked (mm)	3065
Width (mm)	1490
Height [adjustable towbar, braked] (mm)	1327
Length of canopy (mm)	1755

#### Sound Level

Power sound level <sup>(2)</sup> dB(A) LWA	98
Pressure sound level <sup>(3)</sup> dB(A) LPA	69

<sup>(1)</sup> Operating weight without options

<sup>(2)</sup> Legal limiting values of EC directive acc. to 2000 / 14 / EC

<sup>(3)</sup> Noise level acc. to PNEUROP PN8NTC2.2 at 7m

### STANDARD FEATURES

- **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
- **Transparent Plastic Fuel Tank** - Allows direct visual level indication and quick contamination checks
- **Central Lifting Eye** - For easy handling by crane
- **Operational Reliability** - Designed for -10°C to + 50°C ambient temperature
- **Compressor Oil Temperature Regulating Valve** - Ensures safe operation of compressor at low ambient temperatures or extreme partial load (standard)
- **Internal Main Switch** - Avoids unauthorised operation
- **Fully Protected Digital Display** - With tamper proof hour counter
- **Automatic Protection in Case of Malfunction:**
  - Compressor temperature too high
  - Engine oil pressure too low
  - Engine temperature too high
  - Rotational speed too low
  - Battery voltage too low
  - Fuel level too low
  - Cooling water too low
- **Indication Lamps for:**
  - Preheat
  - Operation
- **Start by Rotary Switch** - To avoid loss of time caused by lost ignition key