

WAVE

Reciprocating High Pressure
Air Compressors



11-37 kW

DALGAKIRAN



1077,3-
3526,4
L/min

11-37
kW

40
bar



WAVE SERIES

Oil Injected, Direct Coupled
Reciprocating High Pressure Air Compressors

We offer ideal air solutions for high pressure applications for marin industry.



General Features

- PLC-based control and system monitoring with digital display panel
- High efficiency motor
- Oil trap air filtration system (Optional)
- Direct coupled



Advantages

- Lightweight and robust composite cabinet provides high-performance cooling, protects the cylinder heads from impacts, and prevents the operator from coming into contact with moving and hot components.
- Ease of installation and strong components for longer uptimes and user-friendly operation.
- Safe, low-maintenance operation thanks to integrated flexible coupling





Main Motor and Drive System

- IE3 efficiency-class electric motor
- Direct coupled with elastic coupling
- Star/delta motor starter
- Special loadless start system and automatic discharge system for loadless start
- Soft starter (optional)



Controller

- Mains voltage and frequency monitoring, protection at certain limits
- Multiple compressor control for up to 8 compressors without the need for an external master compressors
- Internal ModBus communication
- Alarm log records the last 9 alarms



Compressor Block

- Cast iron cylinder with cooling fins and special aluminium alloy cylinder heads
- High-strength cast iron sumps
- Dynamically balanced steel crankshaft and counterweight
- Special aluminium alloy pistons and cast steel connecting rods
- Specially designed concentric-type, high-capacity stainless steel suction-discharge valves



Cooling System

- 4-stage radiator (3 stages for air, 1 stage for oil cooling)
- Cylinder and cylinder heads with cooling fins
- Cooling fan connected directly to the main motor



Condensate Drainage System

- Integrated oil pump driven by the main motor lubricates the pistons and pins

Model	Pressure				Intake Capacity		Voltage / Frequency	Motor	Connection	Dimensions (mm)			Weight
	Minimum bar - psi		Maximum bar - psi		L/min.	cfm	V/Hz	kW/HP		Width	Length	Height	kg
W 64	12	174	40	580	1077,3	38	400/50	11/15	1"	1300	1100	1030	411
					1447,8	51,13	460/60	15/20		1300	1100	1030	421
W 108	12	174	40	580	1806,7	63,8	400/50	15/20	1"	1300	1100	1030	421
					2210,2	78	460/60	22/30		1580	1175	1100	630
W 166	12	174	40	580	2767,4	97,6	400/50	30/40	1"	1580	1175	1100	630
					2797,2	98,8	460/60	30/40		1640			680
W 210	12	174	40	580	3526,4	124,5	400/50	37/50	1"	1640	1175	1100	680

- Unit performances measured in reference conditions which are 1 bar absolute air Pressure, %0 relative humidity, 20°C inlet air temperature, 71°C thermostatic valve set temperature and use of Smartoil.
- Dalgakiran reserves its rights to make changes in its products and specifications without prior notice.