

# INVERSYS PLUS

Rotary Screw Air Compressors



90-315 kW

**DALGAKIRAN**



6-54,10  
m<sup>3</sup>/min

90-315  
kW

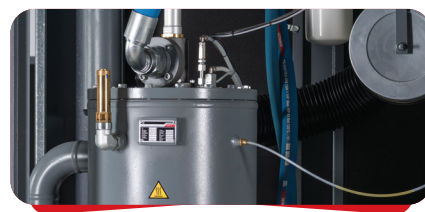
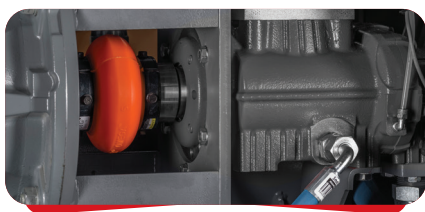
7,5-10-13  
bar



## **INVERSYS PLUS SERIES**

*Oil Injected, Direct Coupled, Variable Speed  
Rotary Screw Air Compressor*

Thanks to its high quality equipment and advanced engineering design, it provides an efficient and flexible use according to your industrial production needs.



### **Advantages**

- Up to 65% energy saving\*
- Operation at constant output pressure value
- Wide operating pressure range (5-14 bar)\*\*
- Long component life cycle thanks to soft start
- Protection against the adverse effects of peak currents
- Effective and energy efficient compressed air production even in case of highly variable compressed air requirements

\* When compared with compressors without an inverter for applications with variable requirements

\*\* If requested, it is produced specially according to the need.



## Main Motor and Drive System

- IE3 efficiency-class electric motor
- Direct coupled (1:1) with the elastic coupling
- Elastomeric coupling for a maintenance free long-lasting and efficient power transmission system
- Variable-speed starting with frequency converter
- High temperature protection for motor bearings



## Screw Block

- A durable and specially selected patented screw block that provides high capacity air according to the capacity needs of each model
- New rotor profiles for reduced loss air production
- Next gen bearing design for improved load bearing capabilities



## Air & Oil Separator

- Spin-on or immersion type separator design depending on the product series
- High-efficiency immersion type separator with long service life



## Controller

- Internal ModBus communication
- User-friendly on-screen interface
- Multi-operation capability of up to 5 compressors
- The ability to perform both pressure and temperature PID at the same time with its Dual PID feature



## Cooling System

- Optimum working temperature thanks to inverter controlled fans, provides additional energy efficiency



Model	Pressure		Capacity*				Motor (kW/HP)	Connection	Dimensions [Width x Length x Height] (mm)	Weight (kg)
	bar	psi	Minimum m³/min	Minimum cfm	Maximum m³/min	Maximum cfm				
INVERSYS 90 PLUS	7,5	110	6,2	219	16,8	593	90/125	G 2"	2525 x 1440 x 2037	2020
	10	145	6	212	14,4	509				
	13	190	6,2	219	12,3	434				
INVERSYS 110 PLUS	7,5	110	6,6	233	20,1	710	110/150	G 2"	2525 x 1440 x 2037	2380
	10	145	7,1	250	17,3	611				
	13	190	7	247	15	530				
INVERSYS 132 PLUS	7,5	110	6,9	244	24,3	858	132/180	G 2 1/2"	2775 x 1820 x 2000	2555
	10	145	6,8	240	20,3	717				
	13	190	9,7	343	18,1	639				
INVERSYS 160 PLUS	7,5	110	6,8	240	28,2	996	160/220	G 2 1/2"	2775 x 1820 x 2000	2760
	10	145	7,1	251	24,6	869				
	13	190	8,5	300	21,7	766				
INVERSYS 200 PLUS	7,5	110	14	494	37,5	1324	200/270	DN80	3290 x 2285 x 2455	4460
	10	145	13,9	491	32,3	1141				
	13	190	13,8	487	28,8	1017				
INVERSYS 250 PLUS	7,5	110	13,6	480	45,2	1596	250/340	DN100	3315 x 2285 x 2455	5600
	10	145	13,5	477	38,5	1360				
	13	190	13,5	477	33,5	1183				
INVERSYS 315 PLUS	7,5	110	13,2	466	54,1	1911	315/430	DN100	3315 x 2285 x 2455	6000
	10	145	13,2	466	44,3	1564				
	13	190	12,9	456	38	1342				

- 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.
- \* Refers to free air delivery measured according to ISO 1217:2009, Annex E standard.