

FRECON PLUS

Rotary Screw Air Compressor

5,5-315 kW



**FRECON
PLUS** | **315**



0,36-54,10
m³/min

5,5-315
kW

7,5-10-13
bar



FRECON 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 (Frecon 15-315 Plus)



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
- Easy-to-detach spin-on type separator (Frecon 5-37 Plus)
- High-efficiency immersion type separator with long service life (Frecon 45-315 Plus)



Electronic Control

- Internal ModBus communication
- User-friendly on-screen interface
- Without the need for an external main controller, Ability to co-aged work synchronized with Master/Slave for up to 2 compressors in 22 kW and below models, Multi-operation capability of up to 5 compressors in 30 kW and above models
- The ability to perform both pressure and temperature PID at the same time with its Dual PID feature (30 kW and above)



Cooling System

- Temperature controlled axial fan (Frecon 5-22 Plus)
- Optimum working temperature thanks to inverter controlled fans, provides additional energy efficiency (Frecon 30-315 Plus)



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			Base Mounted	Tank + Dryer	Base Mounted	Tank + Dryer
FRECON 5 PLUS	7,5	110	0,38	13,4	1,03	36	5,5/7,5	G 1/2"	1058x650x963	1828x650x1438	235	366
	10	145	0,37	13	0,83	29						
	13	190	0,36	12,7	0,64	22,6						
FRECON 7 PLUS	7,5	110	0,42	14,8	1,4	49,4	7,5/10	G 1/2"	1058x650x963	1828x650x1438	273	436
	10	145	0,43	15,1	1,2	42,3						
	13	190	0,43	15,1	0,95	33,5						
FRECON 11 PLUS	7,5	110	0,77	27	1,8	64	11/15	G 3/4"	1200x730x1050	1911x730x1708	320	533
	10	145	0,81	29	1,61	57						533
	13	190	0,74	26	1,3	46						590
FRECON 15 PLUS	7,5	110	0,79	28	2,85	101	15/20	G 3/4"	1200x730x1050	1911x730x1708	420	638
	10	145	0,77	27	2,33	82						638
	13	190	0,99	35	2,07	73						658
FRECON 18 PLUS	7,5	110	1,1	39	3,5	124	18,5/25	G 1"	1280 x 860 x 1435	-	500	-
	10	145	1	35	3	106						
	13	190	1,1	39	2,6	92						
FRECON 22 PLUS	7,5	110	1,3	46	4,2	148	22/30	G 1"	1280 x 860 x 1435	-	516	-
	10	145	1,3	46	3,8	134						
	13	190	1,2	42	3	106						
FRECON 30 PLUS	7,5	110	1,2	43	5,3	187	30/40	G 1 1/4"	1605 x 1040 x 1755	-	819	-
	10	145	1,2	43	4,6	162						
	13	190	1,2	43	4	141						
FRECON 37 PLUS	7,5	110	1,3	46	6,8	240	37/50	G 1 1/4"	1605 x 1040 x 1755	-	870	-
	10	145	1,3	46	5,8	205						
	13	190	1,3	46	5	177						
FRECON 45 PLUS	7,5	110	1,3	46	7,6	268	45/60	G 1 1/4"	1605 x 1040 x 1755	-	945	-
	10	145	1,2	42	6,8	240						
	13	190	1,2	42	5,9	208						
FRECON 55 PLUS	7,5	110	2,5	88	9,9	350	55/75	G 1 1/2"	2065 x 1200 x 1810	-	1524	-
	10	145	2,4	85	8,2	290						
	13	190	2,6	92	7,4	261						
FRECON 75 PLUS	7,5	110	2,6	92	12,9	456	75/100	G 1 1/2"	2065 x 1200 x 1810	-	1647	-
	10	145	2,5	88	10,9	385						
	13	190	2,5	88	9,6	339						
FRECON 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						
FRECON 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						
FRECON 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						
FRECON 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						
FRECON 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						
FRECON 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						
FRECON 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.
- HERTZ KOMPRESSOREN 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.