



▶ Direct Driven Series D Series



High Efficiency Airend

The SCR asymmetric rotor profile allows for a broader sealing band between rotors compared to the conventional narrow line style seal in most other air ends and increases efficiency by between 5 - 10%.

The use of large rotor diameters allow for high efficiency at low rotational speeds and provide tangible benefits of extended longevity and low noise.

Oversized dual, back-to-back taper roller bearings effectively retain the rotor position during all load, unload and starting conditions.

Triple lip shaft sealing, combined with an oil recovery system is employed to achieve a leak free design that is immune to dust ingress and oil or air loss.



Direct driven design

The D-Range employs a 1:1 direct drive transmission configuration by the motor via a special coupling. This means that the maximum air end rotational speed is limited by the two-pole electric motors running at 2900RPM. This is the most efficient drive solution with the lowest maintenance cost available.



Technical Specification

Model	KW	HP	Capacity(m3/min)	Pressure (BAR)	Dimension (mm)	Weight (KG)	Size
SCR10D - 7	7.5	10	1.1	7	900*680*928	250	Rc 1/2
SCR10D - 8			1	8			
SCR20D - 7	15	20	2.4	7	1300*900*1100	530	Rc1
SCR20D - 8			2.3	8			
SCR30D - 7	22	30	3.7	7	1380*850*1160	580	Rc1
SCR30D - 8			3.6	8			
SCR30D-10			3.5	10			
SCR40D - 7	30	40	5.2	7	1600*1000*1360	840	Rc1 1/2
SCR40D - 8			5	8			
SCR50D - 7	37	50	6.5	7	1600*1000*1360	860	Rc1 1/2
SCR50D - 8			6.3	8			
SCR50D - 10			5.8	10			
SCR60D - 7	45	60	8.1	7	1850*1000*1360	950	Rc1 1/2
SCR60D - 8			8	8			
SCR60D - 10			7.1	10			
SCR75D - 7	55	75	10.4	7	2150*1350*1500	1720	Rc2
SCR75D - 8			10.1	8			
SCR75D - 10			8.5	10			
SCR100D - 7	75	100	13.6	7	2150*1350*1500	1860	Rc2
SCR100D - 8			13.3	8			
SCR100D - 10			11.8	10			

Note: Water cooling is available as an option for SCR75D and SCR100D.

Alpine/high altitude, high temperature, high humidity, high dust loads or other adverse working conditions will require specialised custom designs. These are available on special request.

We reserve the right to make changes and improvements to the design and appearance.

Specifications may change without prior notice.