

Rotary Screw Compressor Range

7. Economic Range – ASC-AR Screw Compressor

ASC010-AR (7.5kw) – ASC350-AR (250kw) stand-alone units

Airstream’s ASC-AR range is a high-quality economical solution catering for mid-range to high demand industrial applications.

Features at a Glance

- High efficiency profile rotors
- Designed for high ambient temperatures
- Belt Driven ASC010AR
- Direct driven ASC015-AR – ASC350AR
- Mineral coolant
- Intelligent PLC control
- Schneider switchgear
- Leak proof rigid steel oil piping
- IP54 Electric motor with Class F insulation
- ASME Certified separator vessel (South African recognized standard)
- One (1) year on machine
- Two (2) years on Air End



ASC-AR RANGE TECHNICAL DATA													
Type	Power	Work Pressure	Rated air displacement		Noise Db (A) ± 2	Air outlet pipe diameter	Drive mode	Cooling Method	Oil Tank Volume/ Mineral Oil	Main motor		Machine size: L×W×H (MM)	Machine weight: KG
	KW/HP	BAR	M ³ /min	CFM						Rated motor :AMPS	Protection Level		
ASC010-AR	7.5 / 10	7	1.2	42	≤ 62 ± 2	¾"	Belt drive	Air Cooled	5 L	± 20 A	IP54	860 730 960	223
		8	1.1	38									
		10	1	31									
		12	0.7	24									
ASC015-AR	11 / 15	7	1.6	56	≤ 64 ± 2	¾"	Direct drive	Air Cooled	10 L	± 25 A	IP54	940 800 1075	315
		8	1.5	52									
		10	1.3	45									
		12	1.2	38									
ASC020-AR	15 / 20	7	2.5	88	≤ 64 ± 2	¾"	Direct drive	Air Cooled	10 L	± 35 A	IP54	940 800 1076	325
		8	2.3	81									
		10	2.1	74									
		12	1.9	67									
ASC030-AR	22 / 30	7	3.8	134	≤ 68 ± 2	1"	Direct drive	Air Cooled	15 L	± 50 A	IP54	1200 900 1105	510
		8	3.6	127									
		10	3.2	113									
		12	2.8	98									
ASC040-AR	30 / 40	7	5.2	184	≤ 65 ± 2	1"	Direct drive	Air Cooled	15 L	± 70 A	IP54	1400 900 1225	620
		8	5	177									
		10	4.5	159									
		12	3.8	134									

Please note: Slow curve breaker sizes must be determined by a qualified electrician. Rule of thumb is 2 - 2.2 times the kW rating for the unit.

ASC010-AR (7.5kw) – ASC350-AR (250kw) stand-alone units

ASC-AR RANGE TECHNICAL DATA													
ASC050-AR	37 / 50	7	6.8	240	≤ 68 ± 2	1 ½"	Direct drive	Air Cooled	20 L	± 90 A	IP54	1560 1000 1365	740
		8	6.2	219									
		10	5.6	198									
		12	4.9	173									
ASC60-AR	45 / 60	7	7.3	258	≤ 66 ± 2	1 ½"	Direct drive	Air Cooled	20 L	± 100 A	IP54	1560 1000 1365	820
		8	7	247									
		10	6	212									
		12	5.6	198									
ASC075-AR	55 / 75	7	10	353	≤ 72 ± 2	2"	Direct drive	Air Cooled	45 L	± 125 A	IP54	1800 1070 1490	1100
		8	9.1	322									
		10	8.5	300									
		12	7.6	269									
ASC100-AR	75 / 100	7	13.5	477	≤ 72 ± 2	2"	Direct drive	Air Cooled	45 L	± 175 A	IP54	1800 1070 1490	1270
		8	12.6	445									
		10	11.2	396									
		12	10	353									
ASC120-AR	90 / 120	7	16.1	569	≤ 72 ± 2	2"	Direct drive	Air Cooled	75 L	± 200 A	IP54	2100 1400 1780	1450
		8	15	530									
		10	13.8	488									
		12	12.3	435									
ASC150-AR	110/150	7	21	742	≤ 75 ± 2	2 ½"	Direct drive	Air Cooled	75 L	± 250 A	IP54	2500 1450 1800	2150
		8	19.8	700									
		10	17	601									
		12	15.3	541									
ASC175-AR	132/175	7	25.2	890	≤ 75 ± 2	2 ½"	Direct drive	Air Cooled	85 L	± 300 A	IP54	2700 1550 1800	2750
		8	24	848									
		10	21	742									
		12	18.3	647									
ASC220-AR	160/220	7	28.7	1014	≤ 75 ± 2	2 ½"	Direct drive	Air Cooled	85 L	± 350 A	IP54	2700 1550 1800	3150
		8	27.6	975									
		10	24.6	869									
		12	21.5	760									
ASC250-AR	185/250	7	32	1131	≤ 76 ± 2	DN80	Direct drive	Air Cooled	120 L	± 400 A	IP54	2800 1800 1950	3450
		8	30.5	1078									
		10	27.5	972									
		12	24.8	876									
ASC300-AR	220/300	7	36.7	1297	≤ 76 ± 2	DN80	Direct drive	Air Cooled	210 L	± 500 A	IP54	2800 1800 1950	3850
		8	34.5	1219									
		10	30.2	1067									
		12	27.8	982									
ASC350-AR	250/350	7	42	1484	≤ 76 ± 2	DN80	Direct drive	Air Cooled	220 L	± 550 A	IP54	3250 2100 2300	4250
		8	40.5	1431									
		10	38	1346									
		12	34.6	1223									

Please note: Slow curve breaker sizes must be determined by a qualified electrician. Rule of thumb is 2 - 2.2 times the kW rating for the unit.