

Rotary Screw Air Compressor



ULTRASCREW

Compressed Air Hospital Systems



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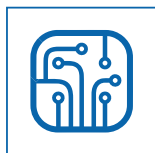
Simple, Reliable and Compact Design. Easy to maintenance service and durable. ULTRASCREW is an oil injected rotary screw compressor that responds all requirements between 2.2 to 37 kW.

They are use safely in all applications of small and medium sized business thanks to their high performance in operation.

ULTRASCREW VSD / Advantages of Variable Speed Version:

Up to 35% energy savings;
Operation at constant output pressure;
Possible to operate over a wide pressure range (5 - 14 bar);
Smooth start of compressor;
Protection against adverse effects due to power surges;
Effective production of pressurized air.

Features



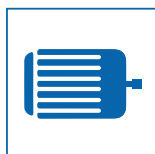
Electronic Control: ULTRASCREW rotary screw compressors are equipped with easy-to-use, robust and long-lasting microprocessor controllers with communication capabilities as per the product line to ensure smooth operation and uninterrupted production.



Screw Block: Patented and durable screw block that provides high-capacity of air, and that is specially selected for each model's capacity requirement Production of air with less loss of air, thanks to the new rotor profiles, and lower torque requirements. New generation bearing design with increased load carrying capabilities



Air Oil Separator: Spin-on or immersed type separator design depending on the product line



Main Motor and Drive System:

High efficiency 400V/3 phase/50Hz, IE3 IP55 electric motors with F Class insulation;
Star delta motor starting system;
Easy of assembly and disassembly with bush pulleys on belt-pulley models.

Technical Specifications - St Series

MODEL	PRESSURE		CAPACITY			AIR TANK CONNECTION	MOTOR POWER	AIR CONNECTION	DIMENSIONS mm			WEIGHT kg	NOISE LEVEL dB(A)
	Bar	PSI	m3/min	m3/h	SCFM				Width	Length	Height		
ULTRASCREW 2	7,5	110	0,38	22,8	13,4	200/250	2.2/3,0	1/2"	1500	550	1350	240	68
ULTRASCREW 3	7,5 10	110 145	0,41 0,36	24,6 21,6	14,5 12,7	200/250	3,0/4,0	1/2"	1500	550	1350	245	68
ULTRASCREW 4	7,5	110	0,56	33,6	19,8	200/250	4,0/5,5	1/2"	1500	550	1350	250	69
	10	145	0,46	27,6	16,3								
	13	190	0,35	21	12,3								
ULTRASCREW 5	7,5	110	0,8	48	28,3	200/250	5,5/7,5	1/2"	1500	550	1325	272	69
	10	145	0,65	39	23								
	13	190	0,53	31,8	18,7								
ULTRASCREW 7	7,5	110	1,15	69	40,6	500	7,5/10	3/4"	1810	640	1520	385	69
	10	145	0,95	57	33,6								
	13	190	0,77	46,2	27,2								
ULTRASCREW 11	7,5	110	1,7	102	60	500	11, /15	3/4"	1880	650	1600	414	69
	10	145	1,4	84	49,5								
	13	190	1,16	69,6	41								
ULTRASCREW 15	7,5	110	2,25	135	79,5	500	15/20	3/4"	1880	650	1600	450	69
	10	145	1,96	117,6	69,2								
	13	190	1,61	96,6	56,9								
ULTRASCREW 15B	7,5	110	2,7	162	95,4	-	15/20	1"	1275	850	1465	410	69
	10	145	2,3	138	81,2								
	13	190	1,9	114	67,1								
ULTRASCREW 18	7,5	110	3,3	198	116,6	-	18,5/25	1"	1275	850	1465	420	69
	10	145	2,8	168	98,9								
	13	190	2,4	144	84,8								
ULTRASCREW 22	7,5	110	3,8	228	134,2	-	22/30	1"	1275	850	1465	450	70
	10	145	3,5	210	123,6								
	13	190	3	180	106								
ULTRASCREW 30	7,5	110	4,6	276	162,5	-	30/40	1 1/4"	1575	1030	1750	683	70
	10	145	4	240	141,3								
	13	190	3,6	216	127,1								
ULTRASCREW 30B	7,5	110	5,2	312	183,7	-	30/40	1 1/4"	1575	1030	1750	710	70
	10	145	4,3	258	151,9								
	13	190	3,7	222	130,7								
ULTRASCREW 37	7,5	110	6,4	384	226	-	37/50	1 1/4"	1575	1030	1750	742	70
	10	145	5,4	324	190,7								
	13	190	4,3	258	151,9								
ULTRASCREW 45	7,5	110	7,2	432	254	-	45/60	1 1/4"	1575	1030	1750	876	75
	10	145	6,4	384	226								
	13	190	5,4	324	191								
ULTRASCREW 55	7,5	110	9,6	576	339	-	55/75	1 1/2"	2000	1200	1810	1340	76
	10	145	8,5	510	300								
	13	190	6,6	396	233								
ULTRASCREW 75	7,5	110	12,4	744	438	-	75/100	1 1/2"	2000	1200	1810	1610	78
	10	145	10,5	630	371								
	13	190	8,7	522	307								
ULTRASCREW 90	7,5	110	15,8	948	557	-	90/125	2"	2500	1400	2037	2240	79
	10	145	13,5	810	477								
	13	190	11	660	388								
ULTRASCREW 110	7,5	110	18,8	1128	664	-	110/150	2"	2500	1400	2037	2500	79
	10	145	16,5	990	583								
	13	190	14	840	495								
ULTRASCREW 132	7,5	110	22,8	1368	805	-	132/180	2 1/2"	2500	1805	2000	2873	79
	10	145	19,5	1170	689								
	13	190	16	960	565								
ULTRASCREW 160	7,5	110	27,4	1644	968	-	160/220	2 1/2"	2500	1805	2000	3030	79
	10	145	23	1380	812								
	13	190	19,5	1170	689								

Values under 1 bar absolute air pressure reference conditions, 0% relative humidity, 20 ° C inlet air temperature, 71 ° C thermostatic valve value and recommended oil usage. Air flow measured in accordance with ISO 1217: 2009, Annex C.

* Version A: with hopper / Version B: with hopper and dryer ** Dimensions and weight for hopper compressor version.