

Republic offers the DRT series of dry-running rotary vane compressors which are ideally suited for oil free applications. They are single stage, air-cooled and direct driven for continuous operation. These rugged compressors are simple to install and easy to service and maintain. The smaller compressors come with a motor integrated, while the larger compressors are available with or without motor. These compressors have a displacement ranging from 5 to 92 CFM (10 to 158 m³/hr) and a maximum pressure of 21 psig.

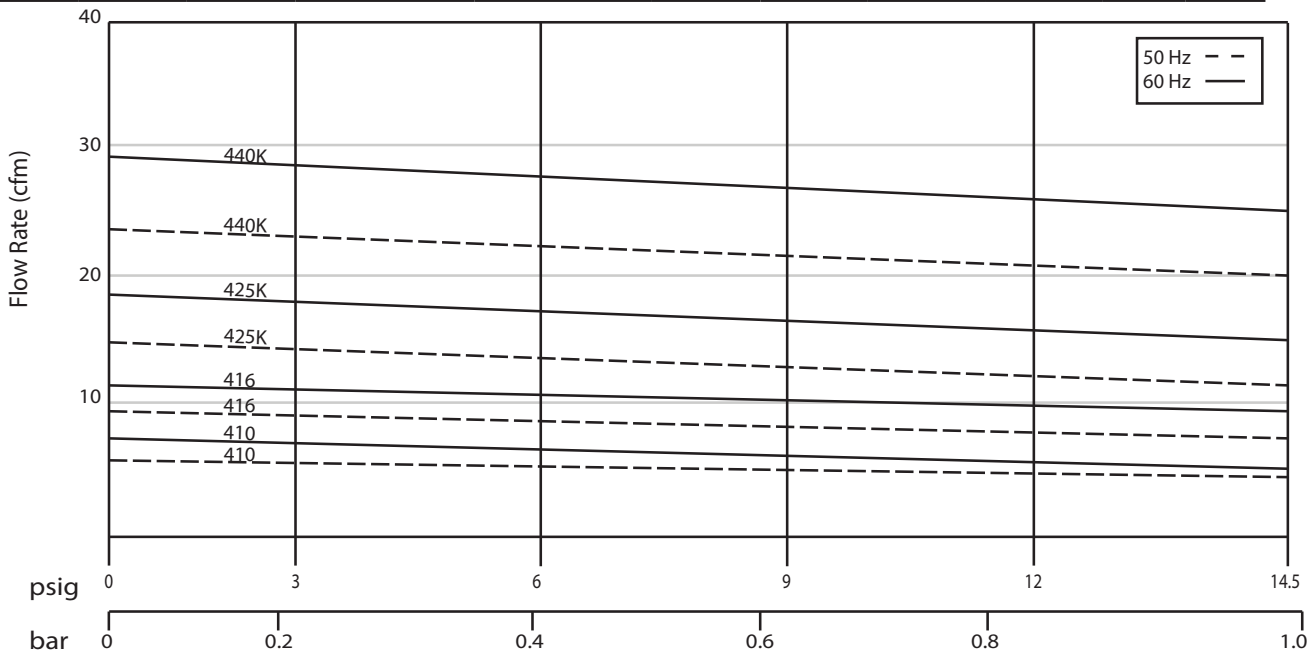


The DRT series is used in a variety of industries such as environmental applications, water treatment, aeration, electronics, conveying, and printing.

PERFORMANCE

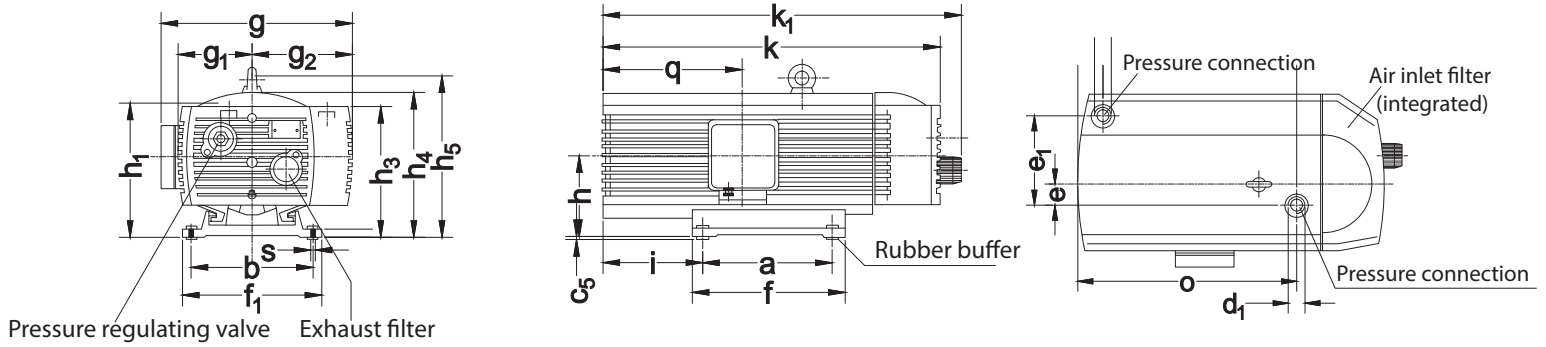
Model	Displacement (CFM/m ³ /hr)		Max Pressure (PSIG/Bar)	Noise Level (dB)		Weight (lb/kg)
	50 Hz	60 Hz		50 Hz	60 Hz	
410	5/10	7/12	14.5/1.0	62	65	33/15
416	9/16	11/19	14.5/1.0	64	67	52/24
425K	14/25	17/30	14.5/1.0	65	68	82/37
440K	23/40	28/48	14.5/1.0	67	70	102/46

Model	Motor Output 3 Phase		Voltage 3 Phase (V)		Motor Output 1 Phase		Voltage 1 Phase (V)		Speed (rpm)	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
410	0.37 kw	0.59 hp	175-260/300-450	202-300/350-520	0.37 kw	0.59 hp	230	230	1420	1700
416	0.55 kw	0.88 hp	175-260/300-450	202-300/350-520	0.55 kw	0.88 hp	230	230	1420	1700
425K	1.10 kw	1.74 hp	190-255/330-500	190-290/330-500	1.10 kw	1.74 hp	230	230	1420	1700
440K	1.85 kw	2.95 hp	190-290/330-500	190-290/330-500	1.85 kw	2.95 hp	230	230	1420	1700



All measurements are ±10%

APPROXIMATE DIMENSIONS



Model	Unit	a	b	c5	d1	e	e1	f	f1	g	g1	g2	h	h1	h4	h5	i	k	k1	o	q	q1	s
410	in	8.1	5.0	0.1	0.5"	-	1.4	7.9	5.6	8.1	3.5	3.5	4.2	6.9	7.4	7.7	4.2	15.2	16.9	-	4.8	5.3	0.3
	mm	205	128	3	0.5"	-	35	200	142	206	90	90	107	176	189	195	106	387	429	-	123	134	7
416	in	8.1	5.0	0.1	0.5"	-	1.4	9.5	6.1	9.1	4.0	4.0	4.4	7.3	8.1	8.3	2.9	16.4	17.8	-	6.0	5.5	0.3
	mm	205	128	3	0.5"	-	35	242	155	231	103	103	113	186	205	211	73	416	452	-	152	140	7
425K	in	8.7	7.8	0.1	0.75"	5.1	-	10.2	9.4	12.9	6.8	6.8	5.5	8.9	10	11.4	5.1	19.9	21.5	2.2	7.0	-	0.3
	mm	220	198	3	0.75"	130	-	260	238	328	173	173	140	227	253	290	130	505	545	55	178	-	7
440K	in	8.7	7.8	0.1	0.75"	5.1	-	10.2	9.4	12.9	6.8	6.8	5.5	8.9	10	11.4	7.0	23.0	24.6	2.2	9.6	-	0.3
	mm	220	198	3	0.75"	130	-	260	238	328	173	173	140	227	253	290	178	585	625	55	245	-	7

Optional Accessories

- Inlet filter
- Inlet check valve
- Vacuum gauge
- Motor starter
- Control panel
- PLC