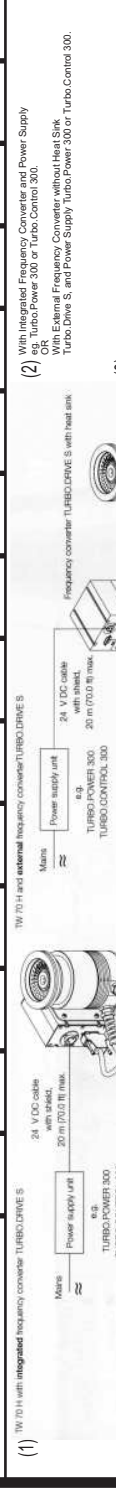


Our Products Develop Tomorrow's Technologies



	Mechanical Rotor Suspension															
	50	151	151C	367	361C	600C	1000C	1000C	1400C	1600	1601	TW70H	250S	TW300	TW701	TW1600
Inlet Flange	40KF, 63CF 63 ISO-K	100 ISO-K 100 CF	160 ISO-K 160 CF	100 ISO-K 100CF	160 ISO-K 160CF	160 ISO-K 160CF	160 ISO-K 160CF	160 ISO-K 160CF	160 ISO-K 160CF	200CF 250 ISO-K	250 ISO-K 250CF	63 ISO-K 63CF	100 ISO-K 100CF	160 ISO-K 160CF	160 ISO-K 160CF	200 ISO-K 250 ISO-K
Pumping Speed N2 1xs ⁻¹	33	145	145	345	400	580	860	860	830	1100	1550	56	230	240	680	1000
Max gas Throughput N2 mbar	0.30	3	3	4.5	4.5	4	n/a	n/a	25	30	30	1.9	n/a	n/a	12	7.4
Compression Ratio	n/a	1X10 ⁹	1X10 ⁹	1X10 ⁹	1X10 ⁹	1X10 ⁹	10 ⁹	10 ⁹	10 ⁵	10 ⁵	10 ⁵	n/a	3X10 ⁷ at 3 mbar	n/a	8X10 ⁸	1X10 ⁷
Max. Compression when idle N2	2X10 ⁶	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1X10 ³ at 14 mbar	n/a	n/a	n/a	n/a
Ultimate Pressure W/D 2.5 Pump torr	3.75X10 ⁻⁸	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.75X10 ⁻⁸	n/a	1.5X10 ⁻⁸	n/a	n/a
Ultimate Pressure torr	n/a	0.75X10 ⁻¹⁰	0.75X10 ⁻¹⁰	0.75X10 ⁻¹⁰	0.75X10 ⁻¹⁰	10 ⁻¹⁰	10 ⁻¹⁰	10 ⁻¹⁰	2.2X10 ⁻¹⁰	2.2X10 ⁻¹⁰	2.2X10 ⁻¹⁰	n/a	n/a	n/a	3.75X10 ⁻⁹	2.25X10 ⁻¹⁰
Max. Foreline Pressure N2 torr	0.75X10 ⁻¹	4X10 ⁻¹	4X10 ⁻¹	3.75X10 ⁻¹	3.75X10 ⁻¹	0.75X10 ⁻¹	n/a	n/a	.075	.375	.375	15	2.25	10	14	8
Max. Continuous Inlet Pressure torr	n/a	4X10 ⁻²	4X10 ⁻²	3.75X10 ⁻²	3.75X10 ⁻²	0.75X10 ⁻²	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Recommended Backing Pump	D2.5E	D4B-D16B	D4B-D16B	D16B-D25B	D16B-D25B	D25B-D40B	D25B-D40B	D25B-D40B	D65B	D65B	D65B	D2.5E	D2.5E	D2.5E	D65B	D65B
Runup Time 95% Nom. Speed min.	2	2	2	2	2	4	4	4	9	10	10	1.5	3	4	5	10
Purge / Vent Port	n/a	KF10	KF10	KF10	KF10	KF10	KF10	KF10	KF10	DN G 1/4"	DN G 1/4"	n/a	KF16	KF16	KF16	G 1/4"
Controller / Frequency Converter	NT10	NT20/NT361	NT20/NT361	NT20/NT361	NT20	NT20	NT20	NT20	NT20	Integrated	Integrated	(1)	(2)	(3)	Integrated	Integrated
Water connection hose nozzles mm	10	10	10	10	10	10	n/a	n/a	n/a	G 3/8"	G 3/8"	2XG 3/8"	n/a	2XG 1/8"	2XG 1/8"	G 3/8"
Weight (lbs.)	1	17	17	26	26	37.5	55	55	48	88	88	5	12	13.2	42	88
Speed RPM	n/a	n/a	n/a	n/a	n/a	36,000	36,000	36,000	n/a	n/a	n/a	n/a	51,600	n/a	n/a	n/a
Type of Bearing	n/a	n/a	n/a	n/a	n/a	Ceramic	Ceramic	Ceramic	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Install Orientation	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any



Our Products Develop Tomorrow's Technologies



Magnetic Rotor Suspension

	340 M 100 ISO-K, 100CF 100 ISO-K, 160CF	MAG 400 C/CT	MAG 1500 CT	MAG 2000 C/CT	MAG 830 W	MAG W 830/C	MAG W 1300/C	MAG W 1500CT	MAG W 2000C/CT	MAG W 2200/C	MAG W 2800/C/CT	MAG W 3200C/CT
Inlet Flange	240	100 ISO-K 100 ISO-K, 160CF	200 ISO-F 250 ISO-F	250 ISO-F	160 CF	160 ISO-F	200 CF 200 ISO-F 250 ISO-F	200 CF 200 ISO-F 250 ISO-F	250 ISO-F	250 CF 250 ISO-F	250 ISO-F 250CF	320 ISO-F
Pumping Speed	240	240	1100	1550	760	700	1100	1100	1650	1600	2650	3200
Speed RPM	51600	51600	36000	28800	36000	24000	36000	36000	28800	29400	28800	28800
Compression Ratio N ₂	1x10 ⁷	2x10 ⁶	10 ⁸	10 ⁹	1.5X10 ⁸	5X10 ⁷	1.5X10 ⁸	10 ⁸	10 ⁸	1X10 ⁵	6X10 ⁶	6X10 ⁶
Ultimate Pressure (Torr)	0.75X10 ⁻⁹	0.75X10 ⁻⁹	0.75X10 ⁻⁸	0.75X10 ⁻⁸	0.75X10 ⁻¹⁰	0.75X10 ⁻¹⁰	0.75X10 ⁻¹⁰	0.7X10 ⁻⁸	0.75X10 ⁻⁸	0.75X10 ⁻⁸	0.75X10 ⁻⁸	0.75X10 ⁻⁸
Max. Foreline Pressure N ₂ (Torr)	3.75X10 ⁻¹	3.75X10 ⁻¹	1.2	1.2	0.15	0.15	0.15	1.95	2.63	1.5	1.5	1.5
Recommended Forevacuum Pump	D16B	D65BCS	D65BCS	D65BCS	D65BCS	D65BCS	D65BCS	D65BCS	D65BCS	D65BCS	D65BCS	D65BCS
Run-up Time 95% Nom. Speed min.	3.5	3.5	6	8	3.7	4	4	6	8	10	10	10
Forevacuum Flange	KF25	KF25	KF40	KF40	KF40	KF40	KF40	KF40	KF40	KF40	KF40	KF40
Purge / Vent Port	KF10	KF10	1/4" VCR	1/4" VCR	KF10 / KF16	KF10 / KF16	KF10 / KF16	1/4" VCR	1/4" VCR	1/4" VCR	1/4" VCR	1/4" VCR
Cooling Water Connections (mm)	7.5	7.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	Swagelok tube 1/4"	Swagelok tube 1/4"
Weight (lbs.)	35	35	70	150	66.2	70.6	66.2	70.6	137	106	141.3	143.5
Controller / Frequency Converter	TURBOTRONIK NT340M	NT340MA	MAG.DRIVE DIGITAL	MAG.DRIVE 2000	MAG.DRIVE DIGITAL	MAG.DRIVE DIGITAL	MAG.DRIVE DIGITAL	MAG.DRIVE DIGITAL	MAG.DRIVE 2000	MAG.DRIVE DIGITAL	MAG.DRIVE DIGITAL	MAG.DRIVE DIGITAL
Installation Orientation	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any	Any

C=Standard Version
CT=Integrated Temperature Management System