



Appendix to Modular Air Bearing System

TECHNICAL INFORMATION FOR SIX-MODULE SYSTEMS

Type	Capacity per set of 6 ¹		Air consumption ²		Module type	Air pressure ³		A	B	C	D	E ⁵	Control unit type
	kg	lbs	NI/min	SCFM		kPa	psi	mm	mm	mm	in	in	
MLS 612	10500	23000	1680	59	ML 12	300	43	304	31/51 ⁴	15	1/2	1	MRB 6-15
MLS 615	15000	33000	3300	116	ML 15	300	43	380	31/51 ⁴	20	1/2	1	MRB 6-15
MLS 618S	16800	37000	3600	126	ML 18S	300	43	457	58	20	3/4	1 1/2	MRB 6-20
MLS 621S	21000	46000	4500	158	ML 21S	210	30	534	58	25	3/4	1 1/2	MRB 6-20
MLS 627S	36000	79000	5100	179	ML 27S	210	30	684	65	35	3/4	1 1/2	MRB 6-20
MLS 636S	66000	145000	6000	210	ML 36S	210	30	914	71	50	3/4	1 1/2	MRB 6-20
MLS 618H	30000	66000	6300	221	ML 18H	410	59	457	58	20	3/4	1 1/2	MRB 6-20
MLS 621H	42000	92000	7800	273	ML 21H	410	59	534	58	25	3/4	1 1/2	MRB 6-20
MLS 627H	72000	158000	9000	315	ML 27H	430	62	684	65	35	3/4	1 1/2	MRB 6-20
MLS 636H	120000	264000	10500	368	ML 36H	400	58	914	71	50	1	2	MRB 6-25
MLS 642H	180000	396000	11100	389	ML 42H	400	58	1070	71	65	1	2	MRB 6-25
MLS 648H	240000	529000	12000	420	ML 48H	450	65	1220	71	75	1	2	MRB 6-25

The Modular Air Bearing System includes:

- 6 air bearing modules
- 6 supply hoses with quick release couplings
- Control unit equipped with pressure regulator and gauge for each module and supply pressure gauge
- 30 m supply hose including shut-off valve
- Operating instructions

- 1) The modules must be placed under the load so that each one sees no more than one quarter of the full system capacity.
- 2) These figures refer to good floor conditions, e.g. power-trowelled and sealed concrete surfaces.
- 3) Air pressure in air bearing element at max load (100 kPa = 1 bar).
- 4) Cast aluminium/Extruded aluminium construction.
- 5) Supply hose ID and shut-off valve thread size.

