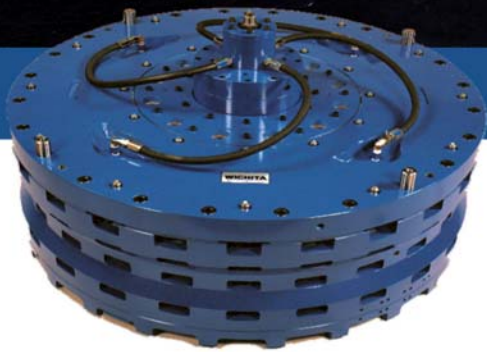
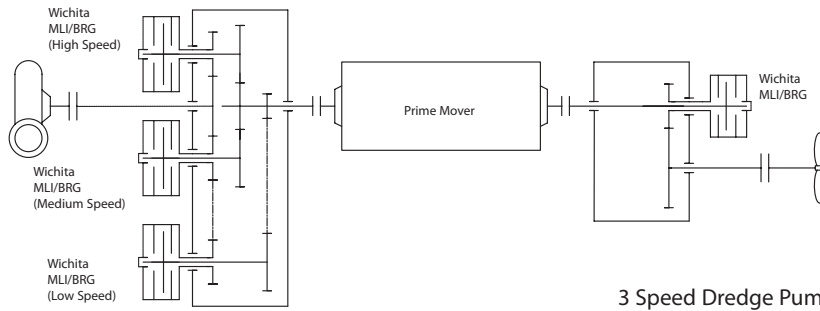


WICHITA CLUTCH

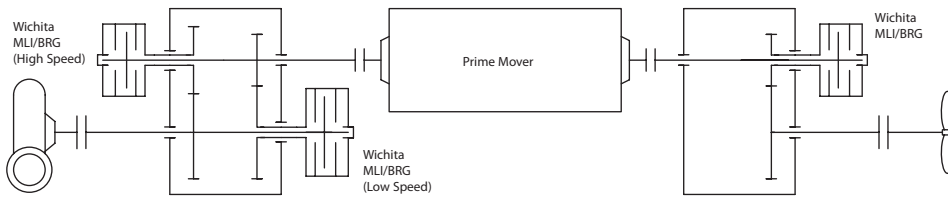


MLI - Marine Low Inertia Clutch

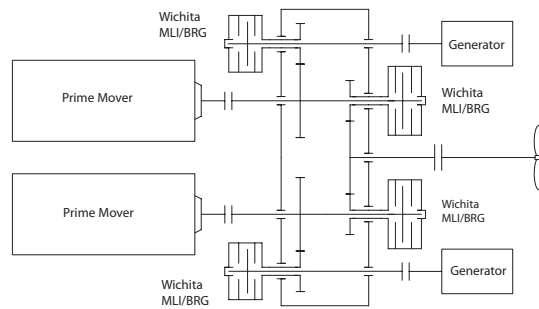
Propulsion Clutch Examples



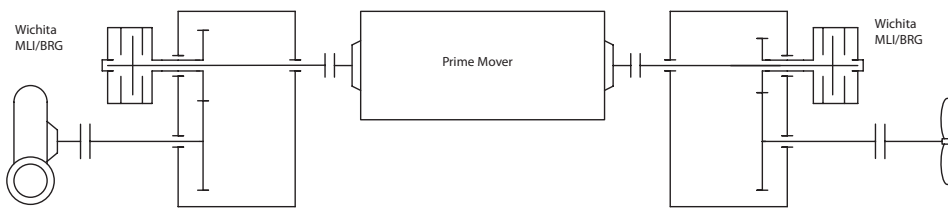
3 Speed Dredge Pump - Main Propulsion



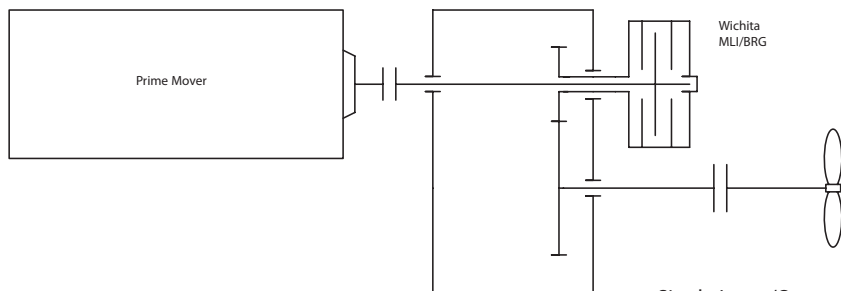
2 Speed Dredge Pump - Main Propulsion



Twin Input/



Single Speed Dredge Pump - Man



Single Input/Output Main Propulsion

Performance

For heavy duty marine & offshore drive applications

Specially designed for quill-shaft mounting

Large friction area provides good control even in arduous start up conditions

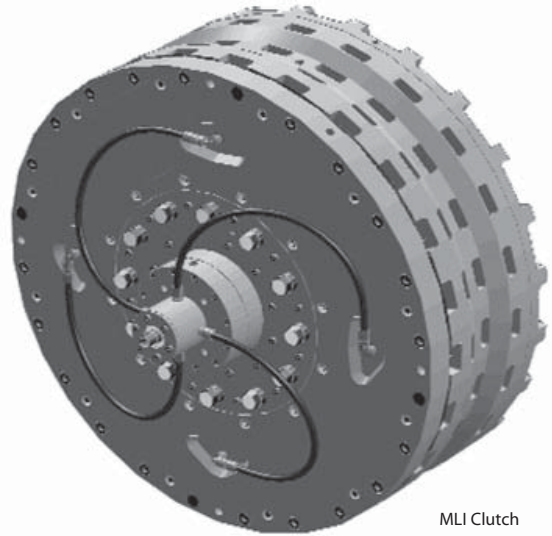
This air applied clutch is available in 1,2,3 or 4 plate designs to suit torque, heat, response

Integral housing for quill support bearing

Air applied clutch with full circle friction discs

Air connection via rotary coupling mounted directly into front of clutch for fastest response time

For dry use only



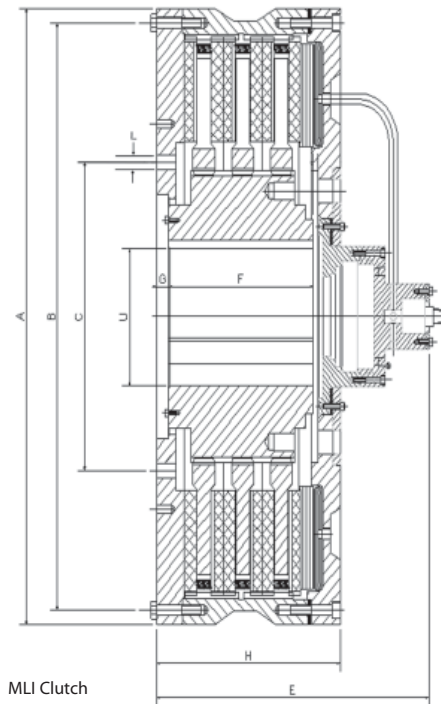
MODEL (CLUTCH)	DYNAMIC SLIP TORQUE (Nm) ⁽¹⁾		MAXIMUM SPEED (rev/min) ⁽²⁾		INERTIA = $J = mr^2$ (kg m ²) ⁽³⁾		WEIGHT (kg) ⁽³⁾	
	7 bar	8.5 bar	Complete Clutch	Hub & C/P only	Total Clutch	Hub & C/P (Inners)	Outer	Inner
MLI 114	3100	3750	1950	2420	2.5	0.250	96	24
MLI 214	6200	7500			3.0	0.450	114	36
MLI 314	9300	12000			3.5	0.650	122	50
MLI 116	4275	5200	1700	2110	4.5	0.400	134	33
MLI 216	8550	10400			5.5	0.675	149	47
MLI 316	12825	15600			6.5	0.990	163	67
MLI 118	7260	8800	1550	1880	7	0.623	174	43
MLI 218	14520	17600			8	1.146	194	61
MLI 318	21780	26400			9	1.70	213	87
MLI 221	19740	23900	1350	1610	16	1.25	265	80
MLI 321	29610	36000			20	2.50	295	116
MLI 421	39480	48000			24	3.7	305	153
MLI 224H	34550	42000	1100	1410	28	2.25	427	135
MLI 324H	51825	63000			33	4.25	469	191
MLI 424H	69100	83900			38	6.25	513	245
MLI 227	38840	47200	1090	1250	54	3.45	480	135
MLI 327	58260	70700			62	6.75	525	200
MLI 427	77680	94400			72	10.0	587	242
MLI 230H	75420	91600	1000	1130	98	8	764	239
MLI 330H	113130	137400			110	13	814	329
MLI 430H	150840	183200			123	19	872	419
MLI 236	114350	138900	800	940	145	21	1050	360
MLI 336	171525	208300			205	36	1130	475
MLI 436	228700	277700			265	51	1200	615
MLI 242	163320	198300	650	805	240	40	1040	440
MLI 342	244980	297500			310	72	1100	640
MLI 442	326640	396600			402	104	1163	915
MLI 248	302400	367200	580	705	700	197	1890	1137
MLI 348	453600	550800			968	291	2393	1502
MLI 448	604800	734400			1160	385	2895	1867
MLI 260	602000	731000	475	565	1800	208	4700	1370
MLI 360	902000	1096000			2400	335	5800	2000
MLI 460	1204000	1462000			3000	462	6900	2630

(1) Selection torque = nominal application torque x application service factor 'K'. "For preliminary selection use, 'K' is between 2.0 and 2.5. Always obtain selection confirmation from Wichita"

(2) Maximum allowable running speed. Guide for permissible engagement speed to be confirmed by an analysis of the clutch engagement work.

(3) Certified prints should be obtained to determine exact weights and inertias of specific clutch designs

Dimensions



MODEL	A	B	C	E	F	G	H	L	U	
									MIN	MAX
MLI 114	445	413	413	363	97	13	183	8 x M16	35	90
MLI 214	445	413	413	414	148	13	234	8 x M16	35	90
MLI 314	445	413	413	465	199	13	285	8 x M16	35	90
MLI 116	508	476	476	370	106	13	190	12 x M16	35	102
MLI 216	508	476	476	420	156	13	240	12 x M16	35	102
MLI 316	508	476	476	470	206	13	290	12 x M16	35	102
MLI 118	559	527	527	404	106	13	204	12 x M16	50	120
MLI 218	559	527	527	454	156	13	254	12 x M16	50	120
MLI 318	559	527	527	504	206	13	304	12 x M16	50	120
MLI 221	632	600	600	488	170	16	268	12 x M16	50	152
MLI 321	632	600	600	534	215	16	314	12 x M16	50	152
MLI 421	632	600	600	580	260	16	360	12 x M16	50	152
MLI 224H	736	698	698	520	170	10	280	12 x M16	50	152
MLI 324H	736	698	698	580	230	10	340	12 x M16	50	152
MLI 424H	736	698	698	640	290	10	400	12 x M16	50	152
MLI 227	787	756	756	535	228	28	285	16 x M16	65	165
MLI 327	787	756	756	595	288	28	345	16 x M16	65	165
MLI 427	787	756	756	655	348	28	405	16 x M16	65	165
MLI 230H	900	855	855	551	179	17	301	28 x M24	65	230
MLI 330H	900	855	855	603	231	17	353	28 x M24	65	230
MLI 430H	900	855	855	655	283	17	405	28 x M24	65	230
MLI 236	1042	1003	1003	662	298	13	392	18 x M20	100	230
MLI 336	1042	1003	1003	748	384	13	478	18 x M20	100	230
MLI 436	1042	1003	1003	834	470	13	564	18 x M20	100	230
MLI 242	1245	1181	1181	662	216	30	362	24 x M24	150	310
MLI 342	1245	1181	1181	724	278	30	424	24 x M24	150	310
MLI 442	1245	1181	1181	786	340	30	486	24 x M24	150	310
MLI 248	1442	1372	720	722	308	36	422	24 x M24	200	325
MLI 348	1442	1372	720	834	420	36	534	24 x M24	200	325
MLI 448	1442	1372	720	950	532	36	646	24 x M24	200	325
MLI 260	1790	1689	Please contact Wichita for specific assembly drawing							
MLI 360	1790	1689								
MLI 460	1790	1689								

Dimensions are subject to change without notice
 Obtain certified drawings for dimensions before final layout of machinery