CONSTANT FILL / FIXED SPEED COUPLING

TYPE HF HFD HF-DX

Specifications:

Rating Table for F HFD HF-DX Couplings:

COUPLING MODEL HF,HFD,HF-DX	Maximum Ratings in KW at Different Input Speeds RPM.								
	600 RPM	730 RPM	900 RPM	970 RPM	1200 RPM	1470 RPM	1800 RPM	*3000 RPM	*3600 RPM
1	—	0.5	0.9	1.2	2.2	4	7.5	20	26
2	—	0.9	1.7	2.2	4.1	7.5	13.7	30	36
3	—	1.3	2.4	3	6	11	18	38	45
4	1	2	4	5	9	16.5	22	45	—
5	2	4	7	9	16.3	30	42	70	—
6	3	5	9	11	22	40	60	110	—
7	4	8	15	18	34	62	85	140	—
8	6	10	18	23	44	80	120	—	—
8 B	9	16	29	36	68	125	180	—	—
9	12	22	41	52	98	172	246	—	—
9 B	16	29	54	68	129	228	300	—	—
10	22	39	73	91	172	275	370	—	—
10 B	32	57	107	134	253	373	500	—	—
11	47	85	158	198	374	525	775	—	—
12	82	148	278	348	600	750	—	—	—
13	163	293	550	620	850	1100	—	—	—
14	277	500	758	850	1250	—	—	—	—
15	472	850	1148	1250	—	—	—	—	—
16	583	1050	1400	1500	—	—	—	—	—
16 DC	900	1500	1862	2000	—	—	—	—	—

Coupling for 3000 RPM should be selected only after our approval is obtained.

Technical Specification and Dimension Table For HF/HFD/HF-DX Couplings:

Model HF,HFD,HF-DX	ø A	B			ø d1 ød4 max	l 1 & l 4	* Dry Weight			Max. Oil Filling In Litres			Connected Flexible Coupling Model
		HF	HFD	HF-DX			HF	HFD	HF-DX	HF	HFD	HF-DX	
3	342	239	295	329	55	70	25	28	29	2.9	3.9	4.3	FXC-I
4	367	264	320	354	60	70	34	37	39	3.8	4.3	4.6	FXC-II
5	406	285	315	375	60	70	48	51	54	4.9	5.8	6.7	FXC-II
6	435	332	358	429	75	95	64	67	70	6.5	7.7	9.6	FXC-IIIA
7	471	345	390	460	75	95	81	84	86	8	9.4	11.3	FXC-IIIA
8	505	366	407	487	90	95	96	102	107	9.7	11.5	14.8	FXC-III
8 B	553	405	445	535	90	110	116	122	127	14.5	16.1	19.1	FXC-III
9	584	395	445	526	90	110	124	130	135	16.1	19.3	20.8	FXC-III
9 B	620	446	511	589	110	125	168	180	184	19.4	21.5	24.7	FXC-IV A
10	644	468	517	611	110	125	172	184	188	25.1	28.1	33.9	FXC-IV A
10 B	714	491	537	632	110	125	217	233	237	31.8	36.5	45.4	FXC-IV A
11	751	511	566	661	115	125	281	292	300	37.1	42.9	49	FXC-IV
12	845	614	700	820	145	200	400	421	430	51.3	65.6	71.5	FXC-V
13	960	697	745	875	145	200	570	596	605	72.4	91.3	106.6	FXC-V
14	1104	770	813	943	220	200	640	688	703	114.7	131.9	153.9	FXC-VI
15	1230	777	886	1016	220	200	810	880	900	147.6	181.4	193.1	FXC-VI
16	1298	882	965	1095	220	200	1280	1320	1380	189.2	241.7	268.4	FXC-VI

- Coupling for 3000RPM should be selected only after our approval is obtained.
- With Connected flexible Coupling.

Brake Drum Mounting (Outer Wheel Drive) Fluid Coupling Model HF/HFD/HF-DX:

Flexible Coupling Model	Metallic Disc Coupling			
	øE	C	Y	K* Min
FXC-I	160	75	21	26
	200	75	21	26
FXC-II	200	75	19	26
	250	95	10	35
FXC-III A	250	95	35	35
	300	118	32	55
	315	118	32	55
FXC-III	250	95	48	35
	300	118	30	55
	315	118	30	55
	400	150	18	73
FXC-IV A	300	118	52	55
	315	118	52	55
	400	150	40	65
	500	190	5	70
FXC-IV	400	150	40	65
	500	190	5	70
	600	236	(-)31	80
	630	236	(-)31	80
FXC-V	500	190	70	70
	600	236	34	70
	630	236	34	70
	710	265	25	90

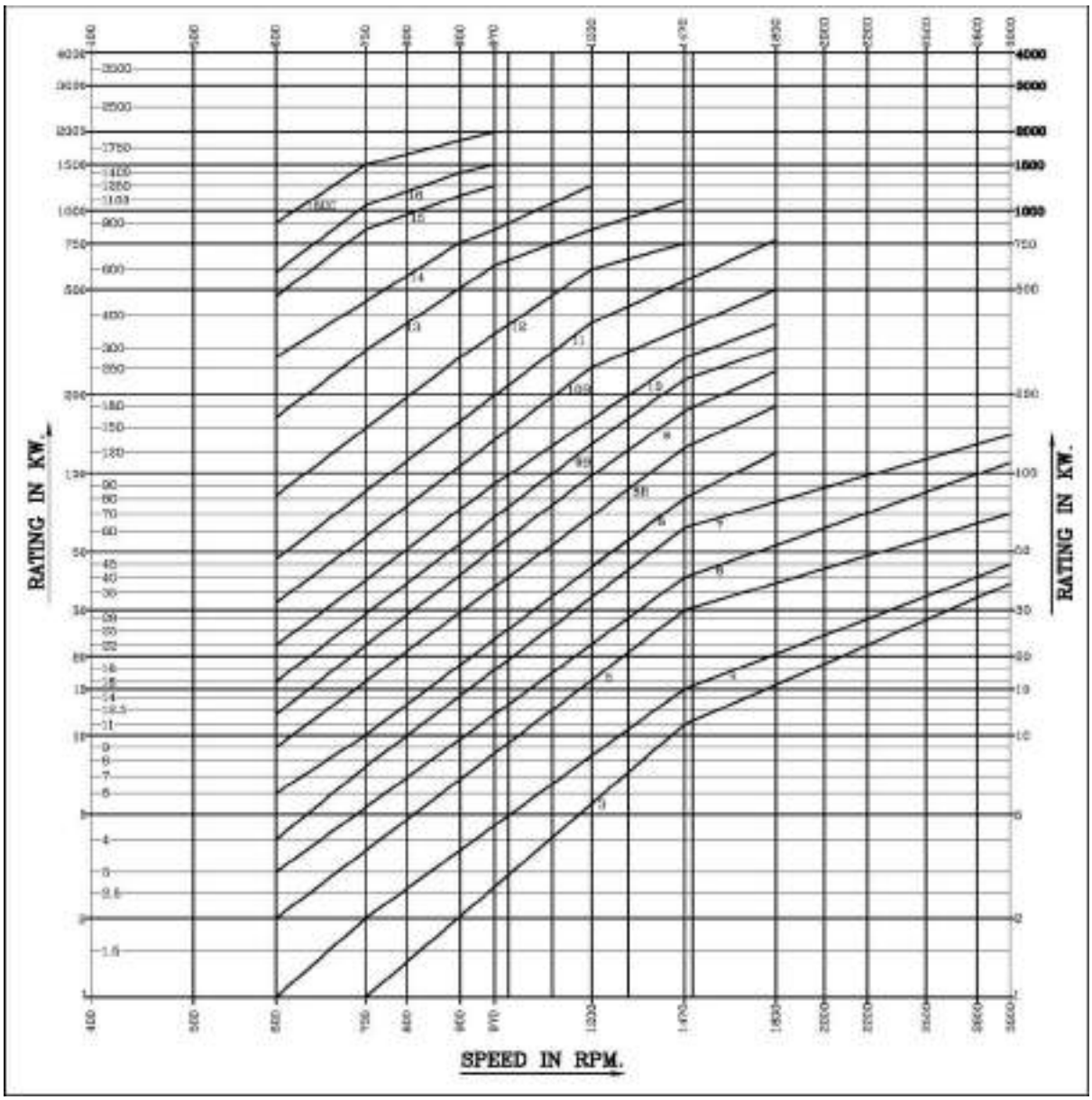
- *For Radial Displacement of Fluid Coupling the Brake Drum shall need to be shifted by dimension 'K' as shown. The machine/G. B shaft length / space should be adequate for this shift of B.D.

Mass Moment Of Inertia "J" With Oil in Kg M2:

Flexible Coupling Model	Spider Type Coupling				
	øE	**C**	**Z**	**ι 2**	**L2**
FFX-1	200	75	20	75	130
	250	95	0	75	130
FFX-2	250	95	20	90	150
	300	118	5	90	158
	315	118	5	90	158
FFX-3	300	118	17	110	170
	315	118	17	110	170
	400	150	5	110	190
FFX-4	300	118	42	120	195
	315	118	42	120	195
	400	150	10	120	195
	500	190	5	120	230
***FFX-5**	400	150	29	150	230
	500	190	5	150	246

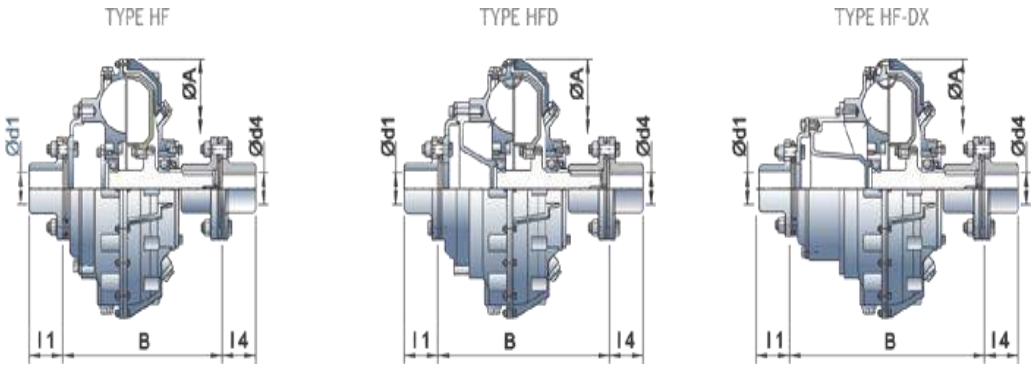
- For fluid Coupling Model SM/SMD/SM-DX - 9B & 10.

HF/HFD/HF-DX Rating Chart Model:



Type HF/HFD/HF-DX:

Type HF



Brake Drum Mounting

Type Hf/HFD/HF-DX With Brake Drum (Outer Wheel Drive)