CONSTANT FILL / FIXED SPEED COUPLING

TYPE T-12

Specifications:

Rating Table T-12

COUPLING MODEL T12	KW ratings at different input speeds (RPM)		
	730 RPM	970 RPM	1470 RPM
01	0.6	1.4	5.0
02	0.9	2.1	7.5
03	1.1	2.6	9.3
04	1.8	4.3	15.0
05A	3.3	7.5	27.0
05	4.6	11.0	37.5
06	7.3	17.4	60.0
07	9.8	23.2	80.0
08	19.0	45.0	153.0
08B	28.3	65.0	228.0
09	37.0	90.0	265.0
10A	64.0	150.0	373.0
10	90.0	209.0	485.0
11	148.0	348.0	-
12	260.0	610.0	-
13	500.0	850.0*	-
14	850.0	1000.0*	-

T-12 With Brake Drum:

Flexible Coupling Model	Metallic Disc Coupling			
	ΦE	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	05	70
FXC-IV	400	150	40	65
	500	190	05	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.

Dimension Table T-12:

Model T-12	A	B	ø d1 Maximum	l 1	ø d4 Maximum	l 4	Dry Weight KG.	Maximum Oil Filling In Litres	Connected Flexible Coupling Model
01	280	167	35	50	55	70	17	1.5	FXC-I
02	310	181	35	50	55	70	20	3	FXC-I
03	330	199	50	80	55	70	26	2.9	FXC-I
04	350	216	50	80	60	70	31	3.7	FXC-II
05A	395	237	50	80	60	70	48	5.1	FXC-II
05	420	276	75	110	75	95	67	5.9	FXC-III A
06	465	290	75	110	75	95	75	8.4	FXC-III A
07	510	314	75	110	80	95	85	11	FXC-III
08	570	347	110	140	90	110	138	15	FXC-III
08B	615	353	110	140	110	125	176	18.6	FXC-IV A
09	650	371	110	140	110	125	183	22.2	FXC-IV A
010A	700	368	110	140	110	125	198	26.3	FXC-IV A
010	750	414	110	140	115	125	234	33	FXC-IV
011	860	488	125	210	145	200	395	50	FXC-V
012	970	568	150	210	145	200	480	75	FXC-V
013	1104	594	150	210	195	200	598	108	FXC-VI
014	1230	655	175	210	195	200	995	160	FXC-VI

Mass Moment Of Inertia "J" With Oil in Kg M2 - T12:

Model	Outer Wheel	Inner Wheel
T12-01	0.11	0.02
2	0.15	0.03
3	0.19	0.04
4	0.27	0.05
05A	0.57	0.12
5	0.78	0.25
6	1.32	0.34
7	1.72	0.47
8	2.44	0.65
08B	4.11	1.69
9	5.01	2.11

10A	8.57	2.82
10	10.18	3.43
11	20.95	8.37
12	35.74	14.25
13	61.35	24.1
14	93.13	37.24

T12 Fluid Coupling Type & T12 With Brake Drum: