



COUPLING ASSEMBLY	G	m [kg]	J [kgm ²]	DISC STIFFNESS MULTILAYER (5 PLATES) [Nm / rad]
SAE 14	40	37	0.68	1.98×10^8
SAE16	45	40	0.90	1.75×10^8
SAE 18	35	43	1.22	1.63×10^8
SAE 21	30	52	2.12	1.65×10^8

TYPE	SIZE	DIMENSIONS IN mm					FAN		MAIN CORE (SHAFT INCLUDED)		EXCITER CORE		TOTAL	
		A	B	C	L	D	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]
400 / 4	SA	1161.5	525	493	1213	141.5	14	0.599	545	9.30	28	0.26	587	10.16
	SB		555						605	11.20			647	12.06
	MA	1361.5	605	693	1413				715	13.70			757	14.56
	MB		650						845	16.10			887	16.96
	LA	1561.5	702	893	1613				945	18.40			987	19.26
	LB		755						1025	21.60			1067	22.46

THE SHAFT STIFFNESS IS REFERRED TO DIMENSION "B" INCLUDING THE HUB OF COUPLING. DISC IS CALCULATED AS SINGULAR (tk 7.5)

MJB 400 / 4		
SHAFT STIFFNESS WITH HUB INCLUDED (NO DISC)		
SIZE	WITH HUB FOR SAE 14 & SAE 21 [MNm / rad]	WITH HUB FOR SAE 16 & SAE 18 [MNm / rad]
SA	10.17	10.23
SB	9.51	9.56
MA	8.59	8.63
MB	7.90	7.93
LA	7.23	7.26
LB	6.65	6.68

MJB 400 / 6		
SHAFT STIFFNESS WITH HUB INCLUDED (NO DISC)		
SIZE	WITH HUB FOR SAE 14 & SAE 21 [MNm / rad]	WITH HUB FOR SAE 16 & SAE 18 [MNm / rad]
SA	10.66	10.72
SB	10.17	10.23
SC	9.51	9.56
MA	8.76	8.80
MB	7.97	8.01
LA	7.43	7.46
LB	6.86	6.88

TYPE	SIZE	DIMENSIONS IN mm					FAN		MAIN CORE (SHAFT INCLUDED)		EXCITER CORE		TOTAL	
		A	B	C	L	D	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]
400 / 6	SA	1161.5	505	493	1213	156.5	29	1.26	515	10.20	36	0.34	580	11.80
	SB		525						635	12.50			700	14.10
	SC	555	775	15.20	840				16.80					
	MA	1361.5	595	693	1413				855	16.30			920	17.90
	MB		645						915	17.80			980	19.40
	LA	1561.5	685	893	1613				995	19.30			1060	20.90
LB	735		1205			22.60	1270	24.20						

MJB 400 / 8		
SHAFT STIFFNESS WITH HUB INCLUDED (NO DISC)		
SIZE	WITH HUB FOR SAE 14 & SAE 21 [MNm / rad]	WITH HUB FOR SAE 16 & SAE 18 [MNm / rad]
SA	11.20	11.27
SB	10.41	10.47
SC	9.51	9.56
MA	8.76	8.80
MB	8.43	8.47
LA	7.19	7.22
LB	6.86	6.88

TYPE	SIZE	DIMENSIONS IN mm					FAN		MAIN CORE (SHAFT INCLUDED)		EXCITER CORE		TOTAL	
		A	B	C	L	D	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]	m [kg]	J [kgm ²]
400 / 8	SA	1161.5	485	493	1213	156.5	29	1.26	455	11.90	36	0.34	520	13.50
	SB		515						575	14.60			640	16.20
	SC	555	695	17.50	760				19.10					
	MA	1361.5	595	693	1413				755	19.00			820	20.60
	MB		615						1035	20.80			1100	22.40
	LA	1561.5	705	893	1613				1135	22.50			1200	24.10
LB	735		1225			23.80	1290	25.40						

C	UPDATE TABLE	G.Sartori	F.Saggin	I.Graizzaro	04/09/2020
B	ADDED STIFFNESS DATA	D.Pegoraro	F.Saggin	I.Graizzaro	27/01/2020
A			M.Dal Pozzolo		24/09/2015
REV	DESCRIPTION	PREP'D	CHK'D	APPR'D	DATE
ECO:	COMPONENT SUPPLIED IN ACCORDING TO:	MAT:		IND. ENG. CHK'D:	
JOB:	SURFACE TREATMENT: HEAT TREATMENT:	RAW MAT.CODE:			
		DIMENSIONS WITHOUT TOLERANCES PRECISION DEGREE: (TN F 3661)		DIMENSION: mm SCALE: 1:3	WEIGHT (kg): n/a
TORSIONAL ANALYSIS DATA MJB 400 SINGLE BEARING GENERATORS				M00AV427A	C SHEET: 1 OF: 1
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