

servogearless

beamer 2

EN														
		WSG-TB	WSG-TR	WSG-SF	WSG-S2	WSG-S3	WSG-MF	WSG-LF	WSG-08	WSG-21	WSG-25	WSG-29	WGG-29	WSG-52
Suspension 2:1	Rated load up to [kg]	1,200	1,000	1,500	1,600	2,750	1,800	3,000	1,600	3,000	4,000	5,000	5,000	9,800
	Rated speed [m/s]	0.5 ... 1.6	0.5 ... 1.6	0.5 ... 2.0	0.5 ... 2.0	0.63 ... 3.5	0.5 ... 2.0	0.63 ... 3.5	0.63 ... 2.5	1.0 ... 5.0	1.0 ... 5.0	1.0 ... 5.0	1.0 ... 5.0	1.0 ... 6.0
Suspension 1:1	Rated load up to [kg]	630	500	675	650	1,350	850	1,500	800	1,500	2,000	2,500	2,500	5,000
	Rated speed [m/s]	1.0 ... 2.0	1.0 ... 2.0	0.5 ... 2.5	0.5 ... 2.5	1.0 ... 5.0	0.5 ... 3.0	1.0 ... 5.0	1.0 ... 5.0	1.0 ... 10.0	2.0 ... 10.0	2.0 ... 10.0	2.0 ... 10.0	2.0 ... 12.0
Shaft load up to [kN]		24	24	26	25 ... 45	63	45	100	55	140	200	300	300	520
Traction sheave diameter [mm]		100	120	160, 210, 240, 320	160, 210, 240, 320, 400	320, 400, 480, 520	240, 270, 320, 400	400, 480, 520	340, 400	530, 610, 650, 686	530, 650, 686	650	650	650, 800
EU type examination certification		EU-BD 948 EU-BD 862	EU-BD 948 EU-BD 862	EU-BD 1034 EU-BD 1051 EU-BD 1056	EU-BD 851 EU-BD 859 EU-BD 881	EU-BD 881	EU-BD 1052 EU-BD 1053 EU-BD 1054	in preparation	EU-BD 715	Inspecta 15656	EU-BD 908	EU-BD 1030	EU-BD 1030	EU-BD 1030
UL/CSA approved		no	no	no	yes	yes	no	no	yes	yes	yes	yes	yes	no
Motor		synchronous, 12 poles	synchronous, 12 poles	synchronous, 16 poles	synchronous, 16 poles	synchronous, 20 poles	synchronous, 20 poles	synchronous, 20 poles	synchronous, 22 poles	synchronous, 22 poles	synchronous, 22 poles	synchronous, 22 poles	synchronous, 22 poles	synchronous, 20 poles
Dimension (approx.) [mm]		237 x 295 x 746	237 x 295 x 693	313 x 320 x 660	360 x 466 x 673	480 x 575 x 988	360 x 447 x 804	475 x 586 x 987	836 x 720 x 404	893 x 942 x 1054	1000x1092x1275	1220x1110x1380	1220x1110x1380	1350x1355x2392
Weight (approx.) [kg]		111 ... 123	104 ... 124	121 ... 167	260 ... 474	619 ... 772	241 ... 315	570 ... 825	298 ... 420	1,120 ... 1,300	1,775 ... 1,925	2,610 ... 2,825	2,780 ... 3,000	7,920 ... 8,351
Key Characteristics		Especially developed for Polyropes/ belts; compact design for reduced headroom	Especially developed for ropes with plastic sheathing; compact design for reduced headroom	Especially developed for machine-room-less (MRL) solutions; rope tension in all directions	Phased-out model; will be replaced by WSG-MF	Phased-out model; will be replaced by WSG-LF	A new innovation developed especially for machine-room-less (MRL) solutions; rope tension in all directions	A new innovation developed especially for machine-room-less (MRL) solutions; rope tension in all directions	Flat design for MRL and MR solutions; rope tension in all directions	Intensive use lifts and health-care lifts; rope tension in all directions	Mid- and High-Rise applications; rope tension in all directions	Mid- and High-Rise applications; rope tension in all directions	Patented split housing gearless for High-Rise mod; rope tension in all directions	The top of the range, heavy-duty, high-rise gearless traction machine; rope tension in all directions

PRODUCT RANGE

MOTOR		for rated loads up to [kg]	rated speed [m/s]	traction sheaves Ø [mm]	perm. shaft load [kN]
WSG-TR		1200	0,5 ... 1,6	100, 120	24
WSG-TO		675	0,5 ... 1,0	160	20
WSG-S1.3		1000	0,5 ... 1,75	160, 210, 240, 320	16 ... 20
WSG-S1.5		1400	0,5 ... 2,0	160, 210, 240	24 ... 26
WSG-S2.2		1350	0,5 ... 1,75	240, 270, 320	27 ... 30
WSG-S2.3		1275	0,5 ... 2,0	320, 400	33
WSG-S2.4		1600	0,5 ... 2,0	320, 400	45
WSG-S3.5		2050	0,63 ... 3,5	320, 400, 480, 520	55
WSG-S3.6		2750	0,63 ... 3,5	320, 400, 480, 520	63

GEARLESS SYNCHRONOUS TRACTION MACHINES

WSG-S1.3

Especially developed for
MRL application



Motor		WSG-S1.3											
torque, S3-40%, 240 S/h	M_N [Nm]	230											
max. torque	M_{max} [Nm]	575											
brake torque	M_{br} [Nm]	2 x 280											
traction sheave	$\varnothing D_T$ [mm]	160			210			240			320		
for rated loads	Q [kg]	up to 1000			up to 750			up to 630			up to 480		
suspension		table applies for 2:1											
Motor currents applicable to 500...620 V DC link voltage (Serie 'ECO')	v [m/s]	n_N [rpm]	P_N [kW]	I_N [A]	n_N [rpm]	P_N [kW]	I_N [A]	n_N [rpm]	P_N [kW]	I_N [A]	n_N [rpm]	P_N [kW]	I_N [A]
	0,5	119	2,9	94	91	2,2	7,6	80	1,9	6,8	60	1,4	5,6
	0,63	150	3,6	104	115	2,8	9,4	100	2,4	7,6	75	1,8	6,8
	1,0	239	5,8	14,5	182	4,4	11,4	159	3,8	10,4	119	2,9	9,4
	1,6							255	6,1	14,5	191	4,6	11,4
	1,75										209	5,0	12,5

All technical data, outputs, dimensions and weights stated in this catalogue can be changed without notice. The illustrations are not binding.

Sospensione - Roping 1 : 1

