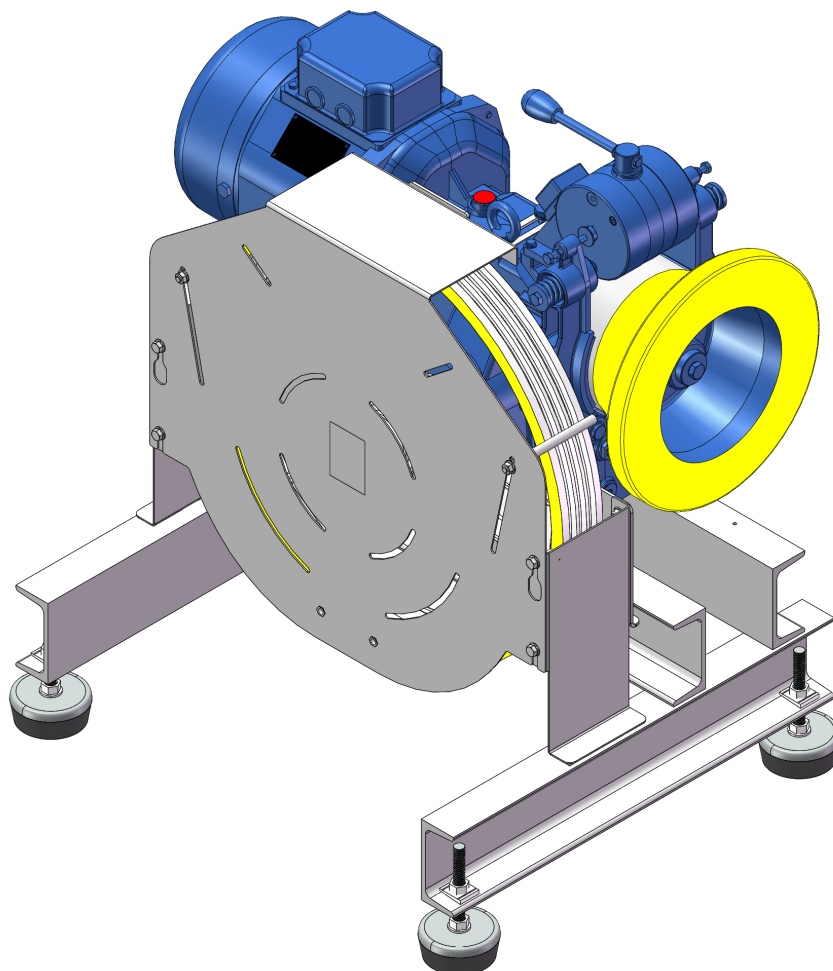


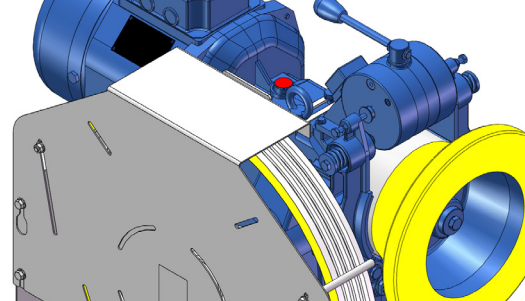


GENERAL DESCRIPTION

	MACHINE MODELS		
	HW134	HW135	HW140C
• MAXIMUM STATIC LOAD:	2300 kg (2000 kg for Ø 600 pulley)	2300 kg (2000 kg for Ø 600 pulley)	2800 kg
• LOAD Q	480 kg	480 kg	630 kg
• Gear ratio	1/37; 1/42; 1/53; 1/65	1/37; 1/42	2/47; 1/37; 1/44; 1/53; 1/58
• Ø of Pulleys	Ø 480; Ø 550; Ø 600	Ø 480; Ø 550; Ø 600	Ø 480; Ø 560; Ø 600
• Power range (4 poles - 50 Hz) 3VF	5,5 kW	5,5 kW	7,6 kW
• Power range (4/16 poles - 50 Hz) 2-speeds	4 - 5,5 kW	-	-
• Brake voltage	48; 60; 110; 200 Vdc	48; 60; 110; 200 Vdc	48; 60; 110; 200 Vdc
• Synthetic oil lubricated	3 l	2,9 l	3,5 l
• Machine weight	220 kg (sin bancada)	180 kg (without bedframe)	260 kg (without bedframe)
• Assembly versatility	with pulley to the right / left		
• Encoder	1024 pulses/revolution (power supply 5 Vdc)		
• Pulley protections	Protection kit of pulley as per EN 81-20/50		
• Forced ventilation	fan is standard (power supply 230 Vac)		



GEARED MACHINE HW



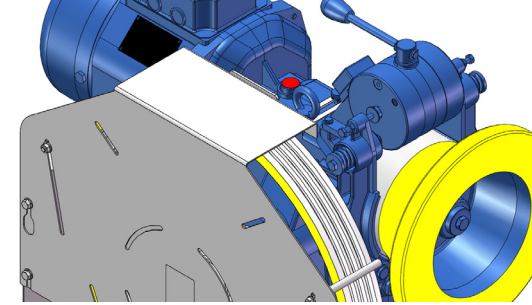
TECHNICAL FEATURES

3VF 1500 rpm 4 polos 50 Hz Suspension 1:1

Motor (kW)	Synchronous speed (m/s)	Ø Pulley (mm)	Gear ratio	Model	unbalanced load (kg)
					Shaft efficiency: 0,8
5,5	0,58	480	1/65	HW134	319
	0,66	550	1/65		279
	0,71	480	1/53		336
	0,72	600	1/65		256
	0,82	550	1/53		294
	0,89	600	1/53		269
	0,90	480	1/42	HW135	348
	1,02	480	1/37		313
	1,03	550	1/42		304
	1,12	600	1/42		279
	1,17	550	1/37		273
	1,27	600	1/37		250
7,6	0,65	480	1/58	HW140C	421
	0,71	480	1/53		421
	0,76	560	1/58		361
	0,81	600	1/58		337
	0,83	560	1/53		361
	0,86	480	1/44		411
	0,89	600	1/53		337
	1,00	560	1/44		352
	1,02	480	1/37		411
	1,07	600	1/44		329
	1,19	560	1/37		352
	1,27	600	1/37		329
	1,60	480	2/47		272

2-speeds 1500/375 rpm 4/16 polos 50 Hz Suspension 1:1

Motor (kW)	Synchronous speed (m/s)	Ø Pulley (mm)	Gear ratio	Model	unbalanced load (kg)
					Shaft efficiency: 0,8
4	0,58	480	1/65	HW134	306
	0,66	550	1/65		267
	0,71	480	1/53		299
	0,72	600	1/65		245
	0,82	550	1/53		261
	0,89	600	1/53		239
	0,90	480	1/42		257
	1,02	480	1/37		229
	1,03	550	1/42		224
	1,12	600	1/42		205
	1,17	550	1/37		200
	1,27	600	1/37		183
5,5	0,58	480	1/65	HW134	319
	0,66	550	1/65		279
	0,71	480	1/53		336
	0,72	600	1/65		256
	0,82	550	1/53		294
	0,89	600	1/53		269
	0,90	480	1/42		348
	1,02	480	1/37		313
	1,03	550	1/42		304
	1,12	600	1/42		279
	1,17	550	1/37		273
	1,27	600	1/37		250



FEATURES OF TRACTION PULLEYS

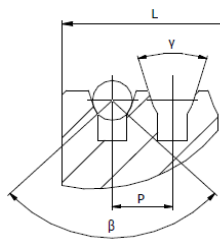
- Pulley groove:**

Semi-circular undercut: $\gamma = 25^\circ \div 40^\circ$, $\beta = 85^\circ \div 105^\circ$.

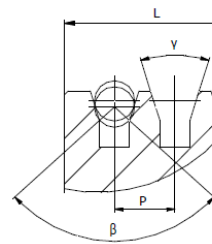
V-shaped trapezoidal: $\gamma = 35^\circ \div 40^\circ$, $\beta = 85^\circ \div 105^\circ$.

- Groove types:**

Semi-circular undercut groove



V-shaped trapezoidal groove



- Number and diameter of ropes, depending on the pulley diameter, the width and the pitch (dimension P):

Ø Pulley (mm)	Width L (mm)	MAXIMUM NUMBER OF GROOVES				
		Ø 8, 9 and 10-Rope			Ø 11 and 12-Rope	
		Pitch 15	Pitch 18	Pitch 21	Paso 18	Pitch 21
Ø 480	70	4	3	3	3	3
	100	6	5	4	5	4
Ø 550	70	4	3	3	3	3
Ø 560	100	6	5	4	5	4
Ø 600	70	4	3	3	3	3
	100	6	5	4	5	4

FEATURES OF DEFLECTION PULLEYS

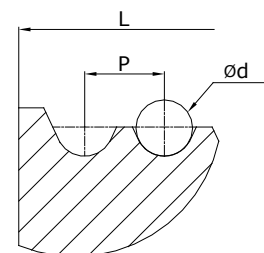
- Pulley Ø400

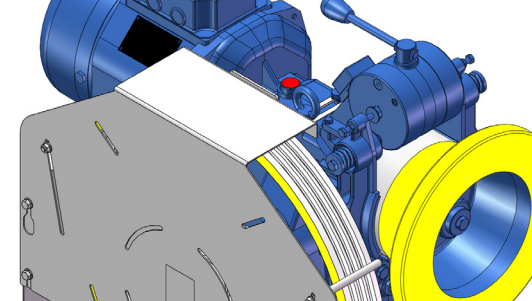
- Number and diameter of ropes, depending on the pulley width and the pitch (dimension P):

Ø Pulley (mm)	Pulley width L (mm)	MAXIMUM NUMBER OF GROOVES		
		Ø Cable 8, 9 y 10 mm		
		Pitch 15	Pitch 18	Pitch 21
Ø 400	68	4	3	3
	98	6	5	4

- Codification of deflection pulleys:**

Example	DE	68	S	4	10
Deflection pulley					
DE (deflection pulley)					
Pulley width L (mm)					
68: 68 mm					
98: 98 mm					
Pitch P (mm)					
S:15 T:18 V:21					
Number of grooves					
3: 3 grooves 4: 4 grooves 5: 5 grooves 6: 6 grooves					
Ø Rope (Ø d en mm)					
08: Ø8 09: Ø9 10: Ø10					

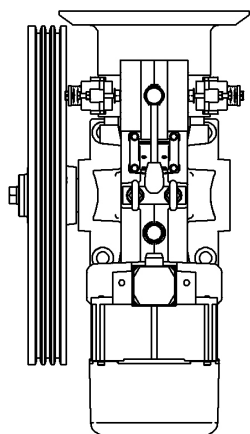
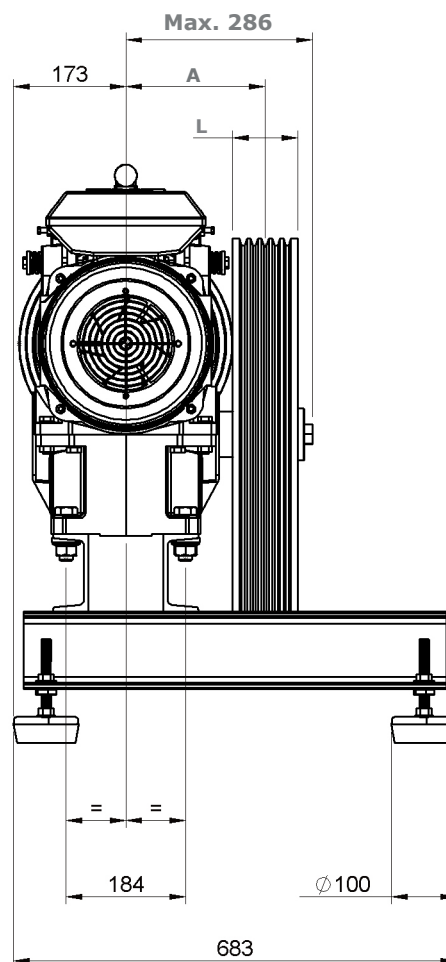
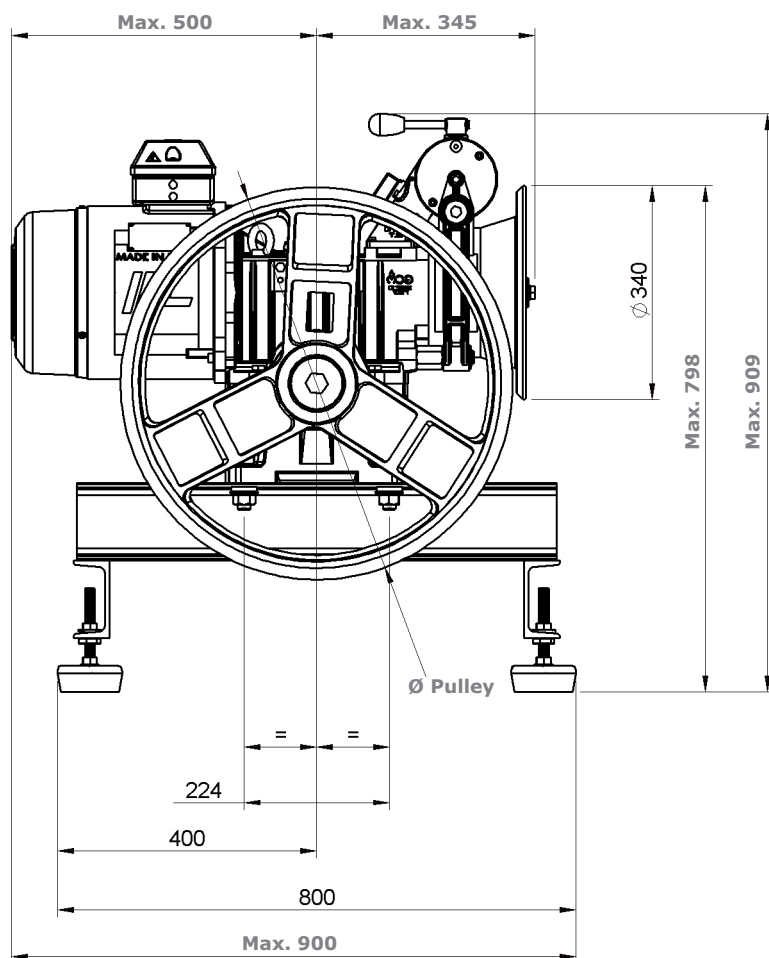




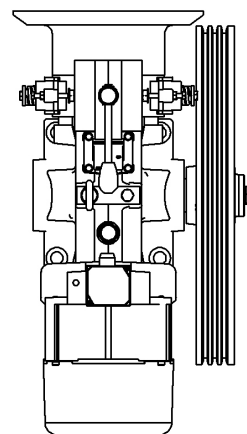
DIMENSIONS

MACHINE INSTALLATION WITH LOW BEDFRAME

L (mm)	A (mm)
70	191
100	215

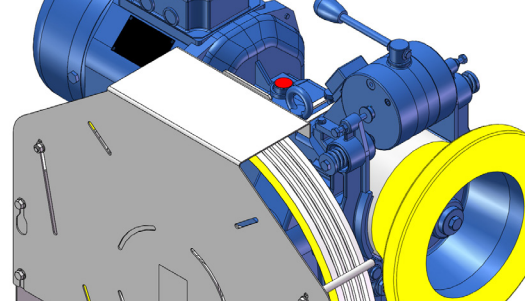


MACHINE ASSEMBLY WITH
PULLEY AT LEFT SIDE

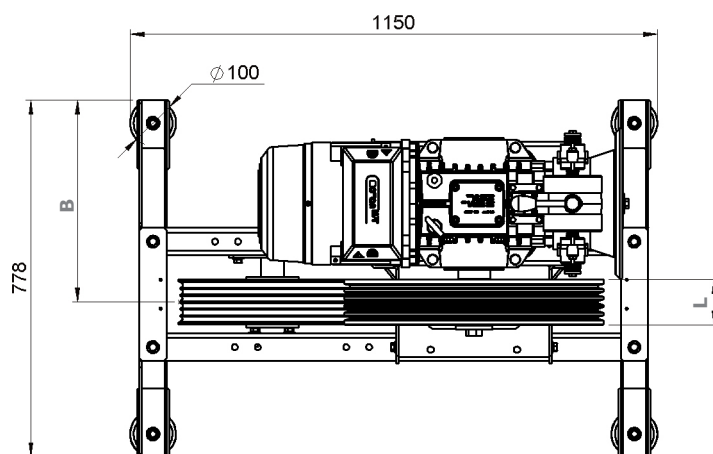
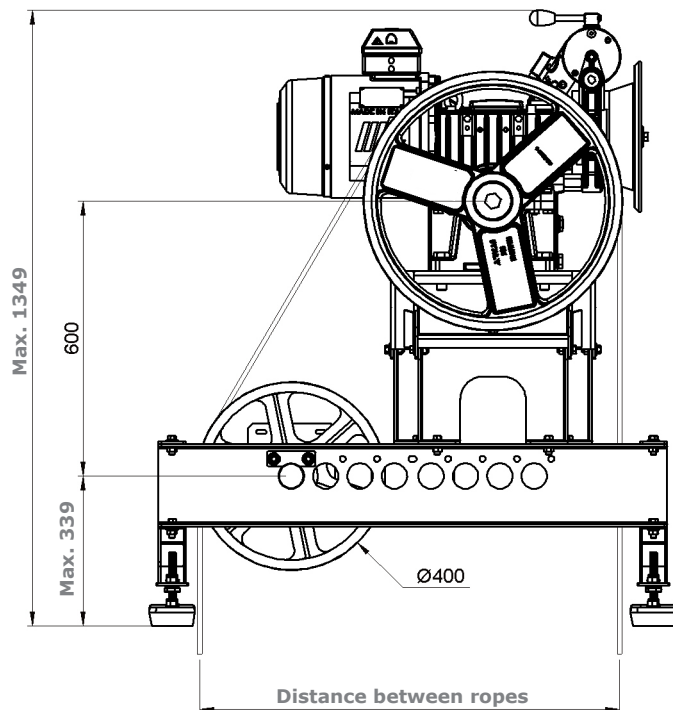


MACHINE ASSEMBLY WITH
PULLEY AT RIGHT SIDE

Low bedframe weight: 35 kg



MACHINE INSTALLATION WITH DEFLECTION BEDFRAME



L (mm)	B (mm)
70	417
100	441

Bancada de desvío	Traction Pulley Ø 480	Traction Pulley Ø 550
Min. distance between ropes (mm)	655	690
Max. distance between ropes (mm)	930	915

Deflection bedframe weight: 75 kg

Deflection bedframe removable with a maximum weight of 20 kg per each spare part