


SH160T

GEARED MACHINES SH SERIES



Model	For rated loads up to	Speed range synchronous		Traction sheaves diameter	Max Static Load
		50Hz [m/s]	60Hz [m/s]		
SH160T 	400 [kg]	0,63	--	400 [mm]	-- [kN-kg]

Roping 1 : 1



SH160T



Power Range 50 Hz 4 poles VVVF **9 - 11 kW**

Ratio **1/43**

Speed synchronous **0,63 m/s**

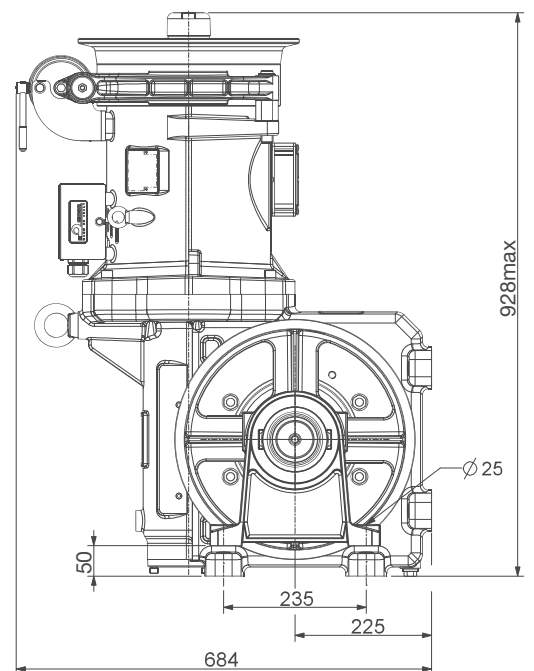
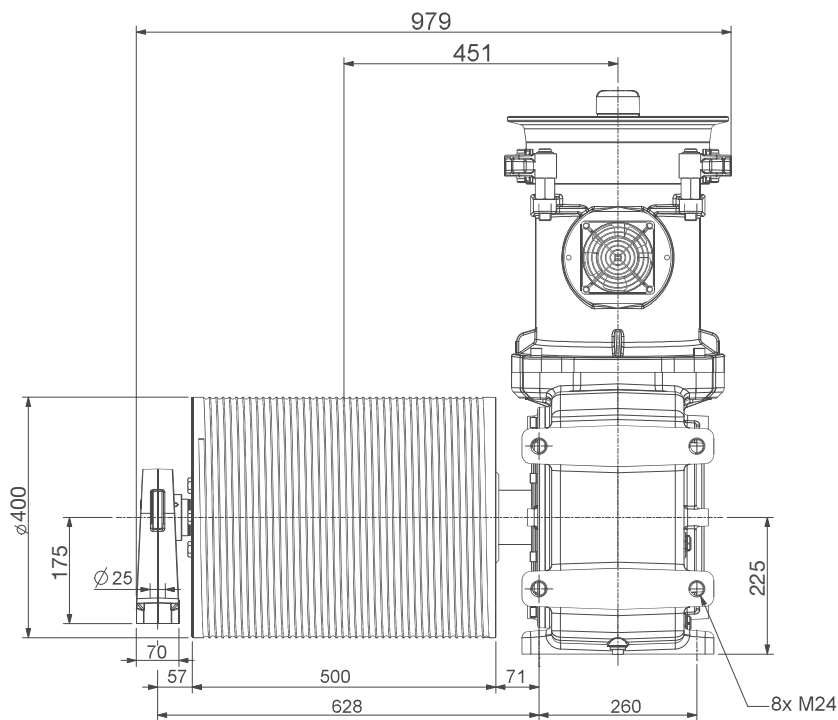
Geared Weight **550 kg**

Oil capacity **9 l**

Geared machine Rh o Lh (from motor side) **Image ref. to Lh geared**

DIMENSIONS

Brake Electromagnet		
[V]	[A]	[W]
24	9,71	233
48	4,85	233
60	3,96	238
80	2,70	216
110	1,83	201
200	1,05	210



DUTY TABLE

Roping 1:1

		50Hz					
		VVVF 1500 rpm 4 Poles		Motor Output [kW]			
		VVVF 9		VVVF 11			
R.R.	Traction Drum Ø	Installation frequency	Max Rated Load		Max cabin load	Ropes Nr x diameter Ø	Max travel with 2 parallel ropes
[i]	[mm]	[Hz]	[kg]	[kg]	[kg]	[mm]	[m]
1/43	400	43	225	--	500	2 x Ø8 (*)	29
						2 x Ø9 (*)	26
						2 x Ø10	23
		43	320	--	400	2 x Ø8 (*)	29
						2 x Ø9 (*)	26
						2 x Ø10	23
43	--	400	500	2 x Ø9 (*)	26		
				2 x Ø10 (*)	23		

Rated load values listed in the table include the weight of the ropes.

To know the theoretical load, subtract the weight of the ropes.

Position Of The Geared = Top Plant efficiency = 0,80

(*) high tensile strenght ropes

ELECTRIC MOTOR DATA

		50Hz			
		VVVF 1500 rpm 4 Poles		Asynchronous Rated Power [kW]	
		VVVF 9		VVVF 11	
		Motor Parameters			
Rated Voltage (star connection) ⁽¹⁾⁽³⁾	[V]	400		400	
Frequency	[Hz]	50		50	
Synchronous Speed	[rpm]	1500		1500	
Asynchronous Speed	[rpm]	1471		1470	
Rated Current ⁽²⁾	[A]	19		22	
Rated Torque	[Nm]	58		72	
Cos φ Power Factor	[]	0,8		0,81	
Starting Current	[A]	87		94	
Starting Torque	[Nm]	80		86	
Duty Cycle	[%]	60		60	
Starts per Hour	[s/h]	240		240	
Insulation Class	[]	F		F	
Degree of Protection IP	[]	IP21		IP21	

(1) The motors are standard supplied with star connection (Y), the customer can arrange a delta connection (Δ).

(2) The indicated current values are related to 400V voltage. For current values with delta connection, multiply the values by 1,732.

(3) The standard supply voltage is suitable for 380-400V/220-230V power supplies.

The geared machine includes a fan, 1~220...240V, 50/60Hz.

Available on request 115V supply voltage.





by
SICOR ITALY
AN  ELEVANTIS COMPANY

Sicor Italy S.R.L.

Viale Caproni, 32 Rovereto (TN) - Italy · Tel: +39 0464 484 111 · info@sicoritaly.com

www.sicoritaly.com