

MODEL		TU16H	TU32H
Maximum lifting capacity		t	1.6
Nominal pressure* max. load 1 channel		Mpa	10
Weight			
Group hoist	kg	28	54.1
Extending lever	kg	2.4	2.4
Standard 20 m wire rope, equipped	kg	13	25
Machine dimensions			
Length	mm	788	1070
Length with optional hook	mm	-	1290
Height	mm	360	430
Thickness	mm	185	204
Lever: retracted / extended	cm	68 / 119	68 / 119
Genuine supertirfor™ wire rope			
Diameter	mm	11.5	16.3
Guaranteed tensile strength**	daN	9600	19200
Weight per meter	kg	0.54	1.06
Type		5 X 26	5 X 31
supertirfor™ wire rope feed			
Forward operation with no load	mm	45	32.5
Forward operation at max. lifting capacity	mm	37	14
Reverse operation with no load	mm	42	35
Reverse operation at max. lifting capacity	mm	44	25
Level**** of weighted equivalent continuous acoustic pressure A, LAeq (in dBA) at 1 m from unit		66	80
Level**** of guaranteed acoustic power LwA (in dBA)		86	93

* This value can vary from one unit to another and can also vary when 2 or 4 channels are used.

** Including terminations on supertirfor™ wire rope.

*** supertirfor™ wire rope feed by complete forward and return action on lever.

**** Measurement performed with no load, at maximum flow rate, in FWD operation and in REV. operation.

2.1.2 Hydraulic power packs

Number of rams to be supplied		1	2	4
Control block		BC S	BC 2d	BC 4d
Number of hoses		2	4/2**	8
Flow rate per ram		8 13*	6.5 13*	3.25
Speed of supertirfor™ wire rope at nominal load				
FWD operation with max. lifting capacity TU16H	m/min	2	1.5	0.75
REV. operation with max. lifting capacity TU16H	m/min	2.3	2	1
FWD operation with max. lifting capacity TU32H	m/min	0.7**	0.35/0.7**	0.17
REV. operation with max. lifting capacity TU32H	m/min	1.6**	0.8/1.6**	0.4

* NEVER CONNECT A TU16H TO THE "13 L/min" OUTLET.

** Connected to "13 L/min" outlet (only for TU32H).

2.1.3 Hydraulic hoses

Nominal diameter	mm	10
Outside diameter	mm	17.4
Max. service pressure	MPa	18
Min. yield pressure	MPa	72
PARKER reference		421SN-6

2.1.4 Hydraulic power pack with electric motor

Dimensions L X L X H	mm	460 X 550 X 580
Weight (without oil)	kg	46.5 (1 channel) / 47.2 (2 channels) / 48.2 (4 channels)
Motor type		Three-phase
Power	kW	3
Power supply voltage and current with full load		Δ 230 V – 11.9 A / Y 400 V – 6.86 A
Degree of protection of electric motor		IP55
Degree of protection of power connector		IP44
Frequency	Hz	50
RPM speed with full load	Tr/min	2830
Poles		2
Level* of weighted equivalent continuous acoustic pressure A, LAeq (in dBA) at 1 m from unit		69
Level * of guaranteed acoustic power LwA (in dBA)		87

*: Measurement on machine alone, null flow rate.

2.1.5 Hydraulic power pack with gasoline engine

Dimensions L X L X H	mm	460 X 550 X 550
Weight (without power pack oil, without gasoline)	kg	43.5 (1 channel) / 44.1 (2 channels) / 45.1 (4 channels)
Engine type		Air-cooled
Max torque.		10.77 N-m at 2400 tr/min
Displacement	mm³	190
Fuel		Lead-free gasoline (octane index ≥ 85)
Tank capacity	L	0.8
Level* of weighted equivalent continuous acoustic pressure A, LAeq (in dBA)		81
Level * of guaranteed acoustic power LwA (in dBA)		97

Refer also to the engine user and maintenance instructions.

The engine fuel tank is supplied empty and the crank case contains engine oil

*: Measurement on machine alone, null flow rate, gas throttle set to maximum position.

2.1.6 Hydraulic pump

Type		Gear type
Maximum pressure	MPa	25
Flow rate		13 L/min
Direction of rotation		Clockwise
Maximum rpm speed		3000 tr/min
Hydraulic oil*		TOTAL AZOLLA ZS32

*: Technical data sheet and safety data sheet available on request. On delivery, power pack housing (page 7, figure 1, item 10) is