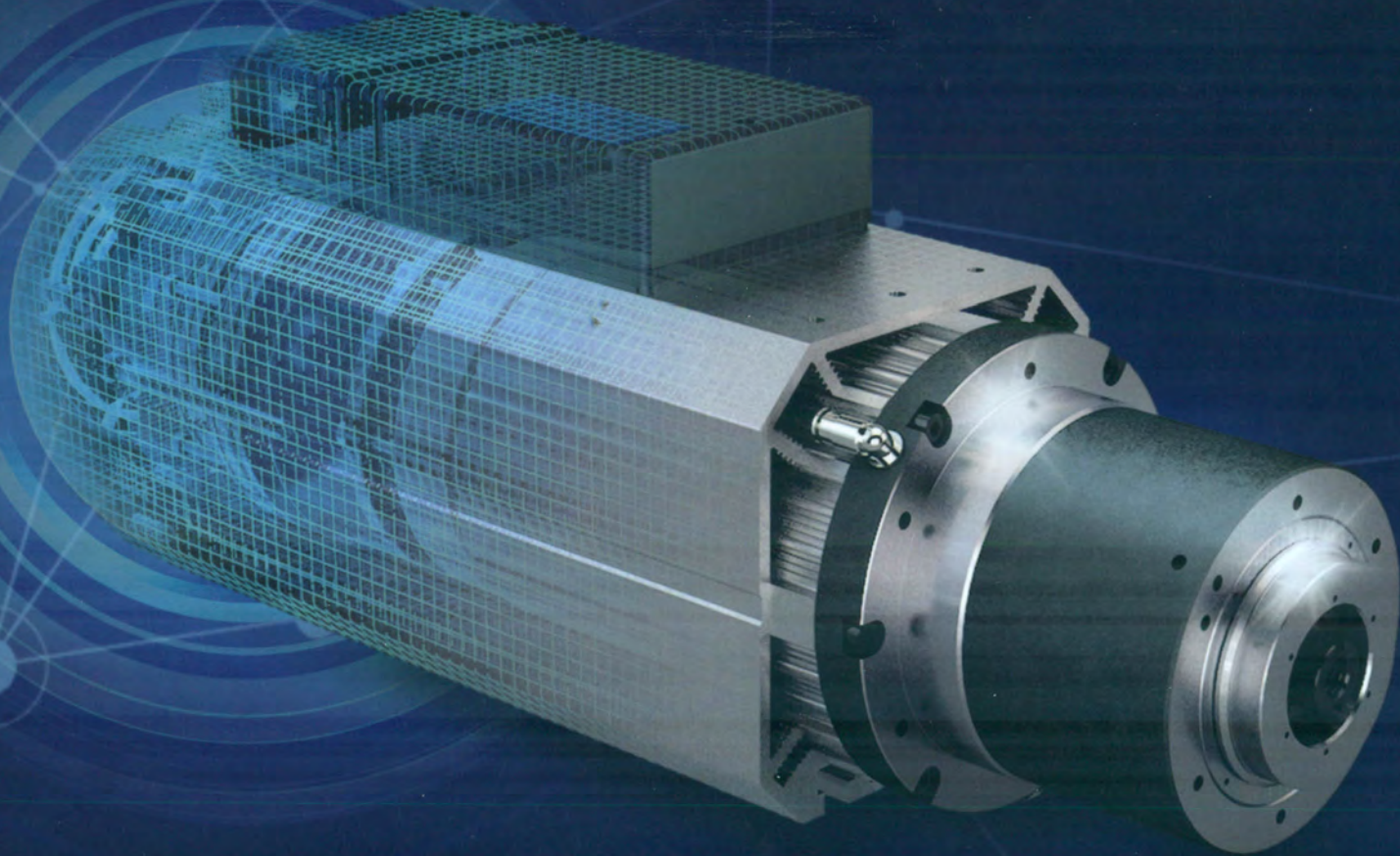


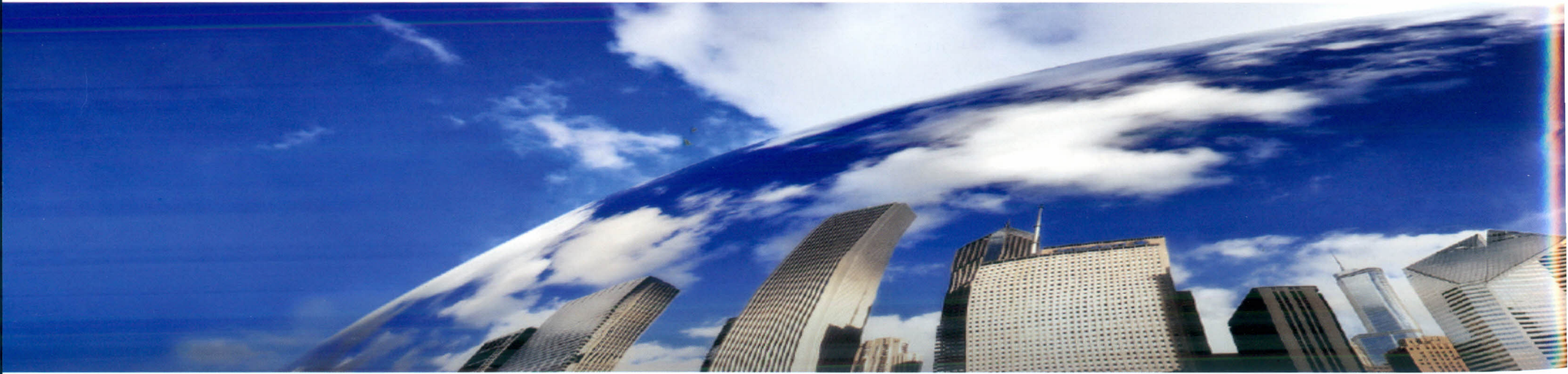


OLIspeed[®]
a **WOLONG** company



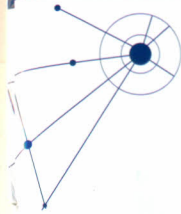
WYN-WYN
WHEN YOU NEED IT, WHERE YOU NEED IT

 [®] OLIspeed[®]
*a **WOLONG** company*



a member of

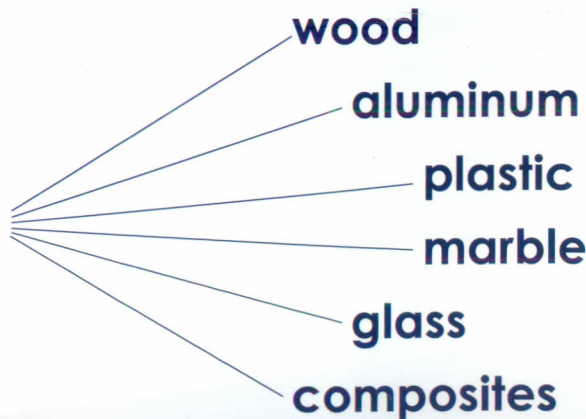
 [®] OLI[®] GROUP
*a **WOLONG** company*

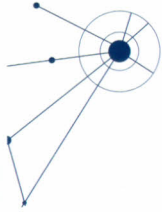


OLIspeed began from the resourcefulness of people with recognized technical, productive and commercial experience in the machine tool sector and Hi-Tech components necessary to guarantee or improve the machines performance. In addition it was the desire of the OLI group to expand its business in the industrial field.

OLIspeed is an independent company and is not a manufacturer of CNC machines nor directly or indirectly involved with any organization, corporation or group. OLIspeed's core business is to develop, produce, and market electro-spindles, milling heads and accessories suitable for machine tools. Used for processing various materials from all types of wood to aluminium, to plastic to glass, to marble and steel. OLIspeed, is part of the OLI group, a world leader in its sector and takes advantage of mass production of mechanical and electromechanical components, and its worldwide distribution network.

OLIspeed is specialized in the **production of electrospindles** for:





WHEN YOU NEED IT, WHERE YOU NEED IT

OLIspeed uses the OLI sales network consisting of 18 branches distributed around the world, to support our customers with pre and after sales service. Standard products are available upon request from our warehouses. "When you need it, where you need it."

OLI Australia
OLI Benelux
OLI Corporate
OLI Brasil
OLI China
OLI France
OLI Germany

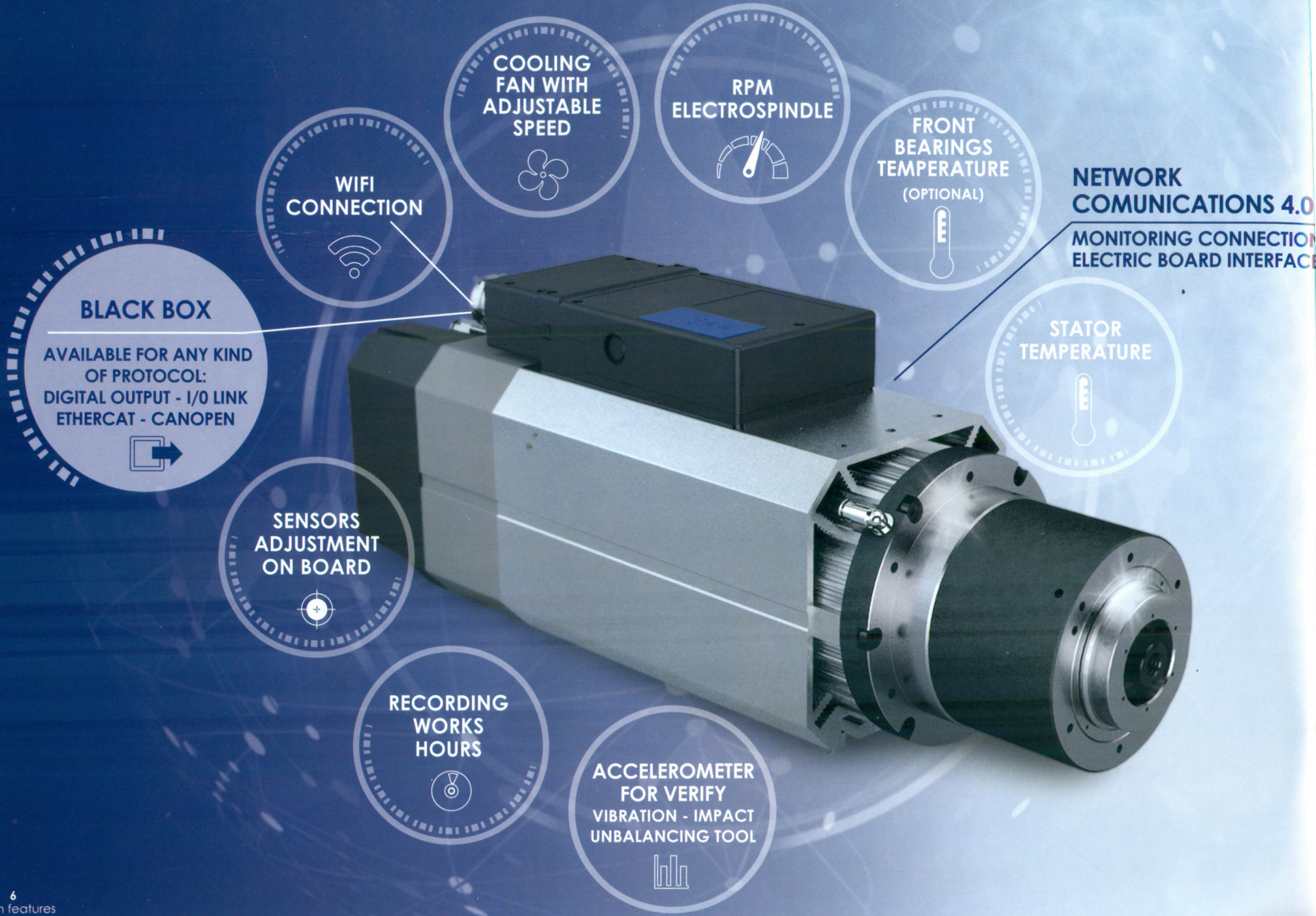
OLI India
OLI Italy
OLI Malta
OLI Middle East
OLI Nordic
OLI Russia
OLI South Africa

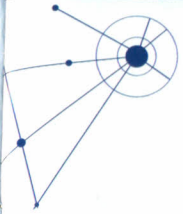
OLI Spain
OLI Thailand
OLI Turkey
OLI UK
OLI USA



Excellent customer service is one of OLIspeed's primary objectives which it guarantees through its vast worldwide distribution network of solely owned branches.



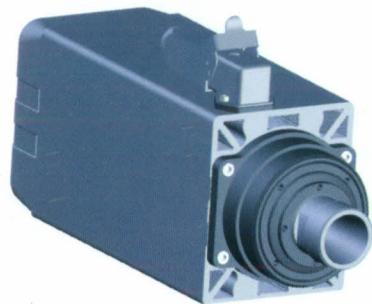




EXCLUSIVE CERTIFICATION



RANGE OF ELECTROSPINDLES WITH UL CERTIFICATION



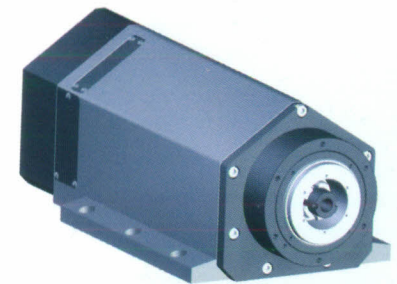
SME 070-103
From 0,8 to 6 Kw



SAE 103 / SAE 145
From 3,5 to 11 Kw

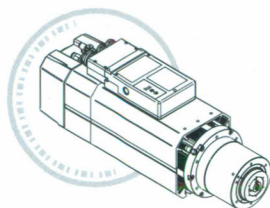


SAB150
From 10 to 15 Kw



SAB 132
From 15 to 16 Kw

automatic tool change



TECHNICAL DATA

Speed up to 24000 rpm
4/6 poles 800 / 1200 Hz motor
High torque at low rpm
Front and rear ceramic bearings
Bearing lubrication for life
Waterproof power connector
Waterproof signal connector
Shaft kit for quick replacement
Liquid cooling / Air forced cooling with 24 Volt fan
FEM designed Aluminum frame

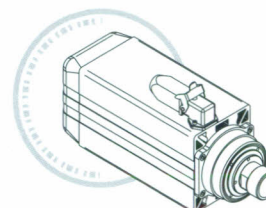
MAIN FEATURES

Pneumatic services:

- n°1 tool holder retain air inlet
- n°1 tool holder release air inlet
- n°1 pressurization and cone cleaning air inject

Front labyrinth incorporated into the shaft with air under pressure cleaning;
Aluminum frame;
Heat-treated shaft;
Encoder for vector control (optional);
High torque at low speed;
High efficiency electric motor

manual tool change

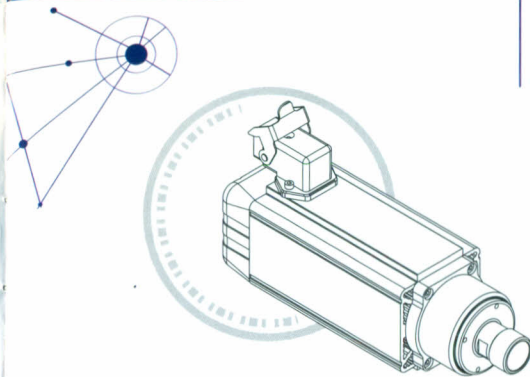


TECHNICAL DATA

FEM designed Aluminum frame
Extruded body for high thermal stability
Speed up to 24000 rpm
Bearing lubrication for life
Front Ceramic bearing
Rear Steel bearing

MAIN FEATURES

Connector on board - ILME type
Low noise electric fan
High torque at low speed (optional)
High efficiency electric motor



COLLET TYPE

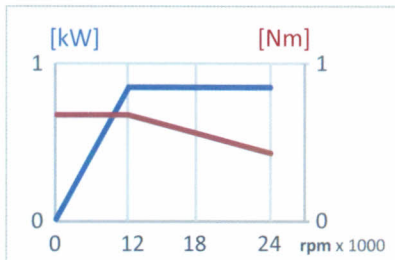
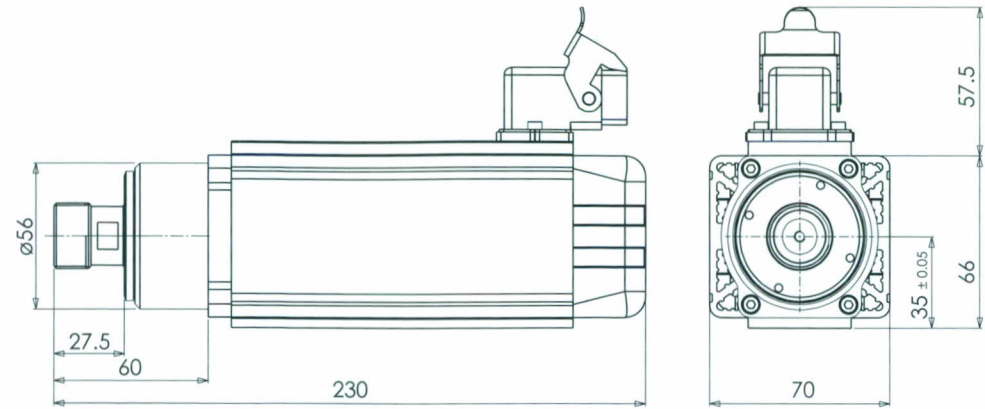


fig. 1

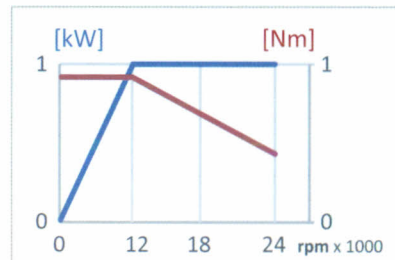


fig. 2

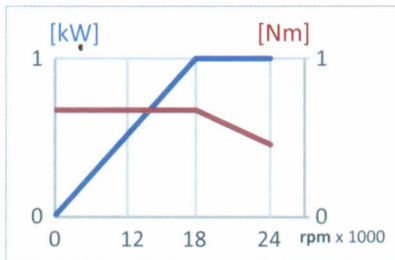
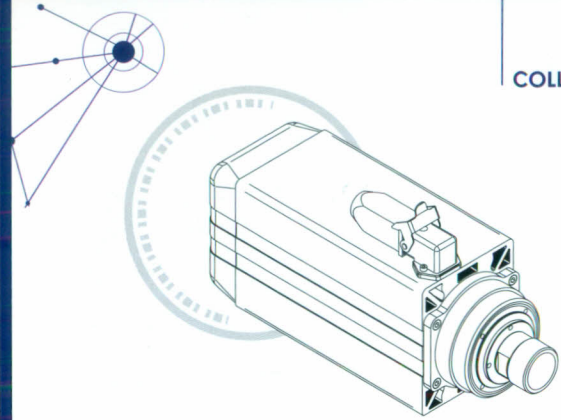


fig. 3

SME070 - manual tool change		
Base Dimension	extruded body	70 x 73 mm
Power S1/Speed	kW/rpm*1000	0.8 / 12 fig. 1
		1 / 12 fig. 2
		1 / 18 fig. 3
Torque S1	Nm	see chart
Maximum frequency	Hz	400
Motor poles	n°	2
Max. speed	rpm	18000 or 24000
Tool Clamping		manual
Tool Unlocking		no
Cylinder return		no
Front Bearings		18000 steel / 24000 ceramic
Rear Bearings		steel
Bearings lubrication		for life
Nominal tension	Volts	380
Cooling system		direct fan



COLLET TYPE

PINZA FISSA

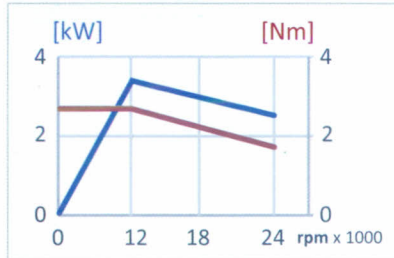
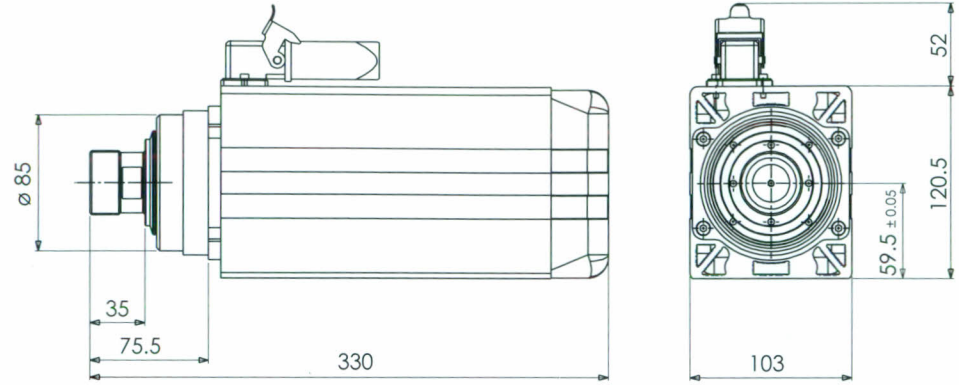


fig. 1

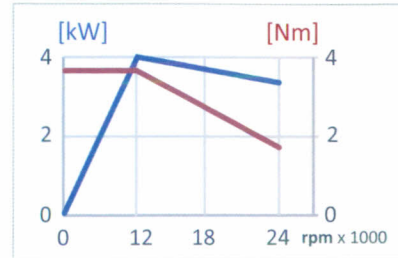


fig. 2

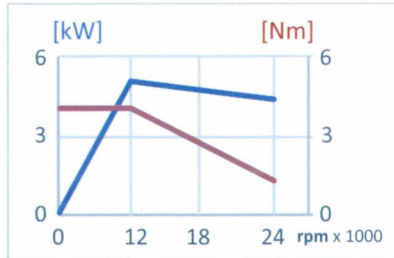


fig. 3

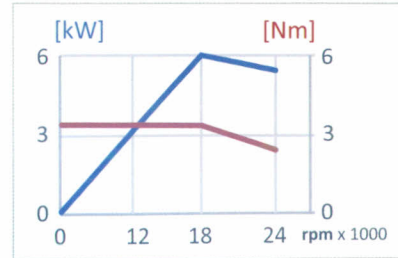


fig. 4

SME103 - manual tool change		
Base Dimension	extruded body	103 x 122 mm
Power S1/Speed	kW/rpm*1000	3.5 / 12 fig. 1
		4 / 12 fig. 2
		5 / 12 fig. 3
		6 / 18 fig. 4
Torque S1	Nm	see chart
Maximum frequency	Hz	400
Motor poles	n°	2
Max. speed	rpm	18000 or 24000
Tool Clamping		manual
Tool Unlocking		no
Cylinder return		no
Front Bearings		18000 steel / 24000 ceramic
Rear Bearings		steel
Bearings lubrication		for life
Nominal tension	Volts	380
Cooling system		direct fan

AIR COOLED

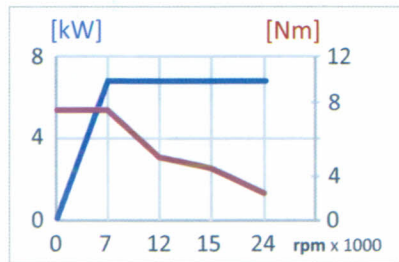
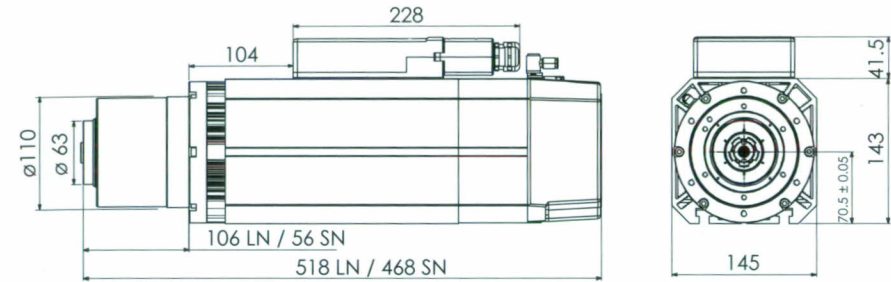
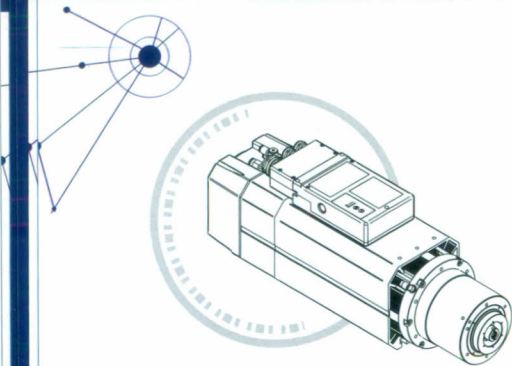


fig. 1

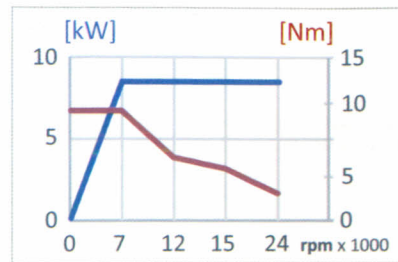


fig. 2

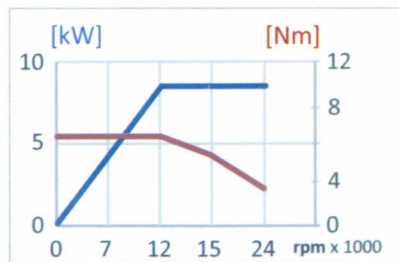


fig. 3

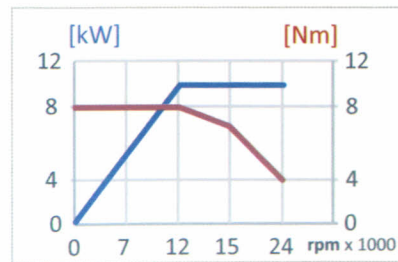


fig. 4

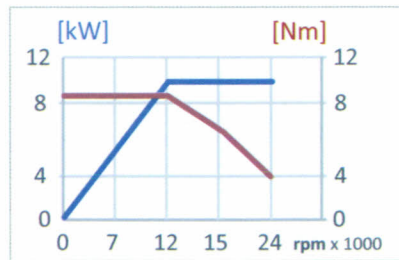
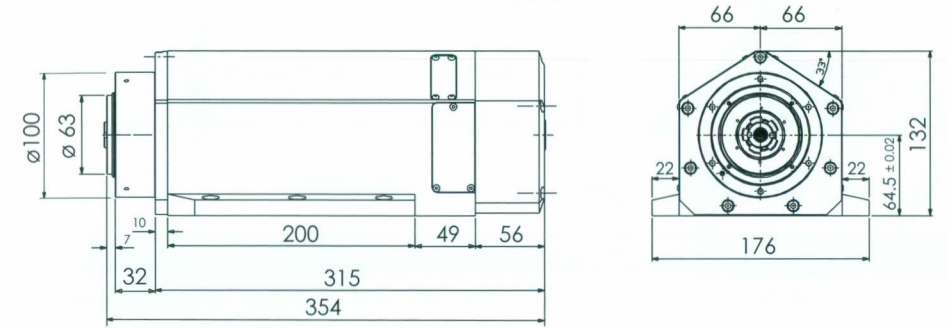
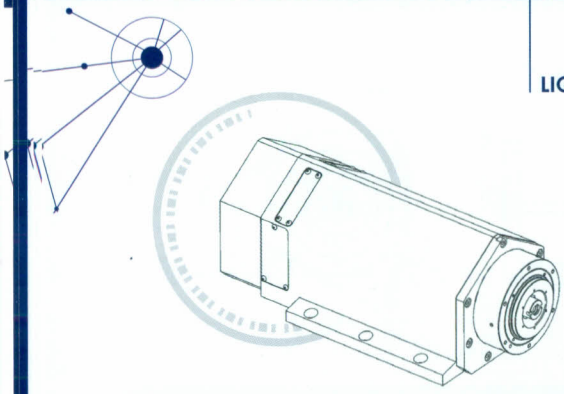


fig. 5

SAE145 - automatic tool change air cooling

Base Dimension	extruded body	145 x 145 mm
Power S1/Speed	kW/rpm*1000	6.5 / 7 fig. 1
		8.5 / 7 fig. 2
		8 / 12 fig. 3
		10 / 12 fig. 4
		11 / 12 fig. 5
Tool taper		ISO30
		HSK F63
Nose		LN-Long nose
		SN-Short nose
Torque S1	Nm	see chart
Maximum frequency	Hz	800
Motor poles	n°	4
Max. speed	rpm	18000 or 24000
Tool Clamping		springs
Tool Unlocking		pneumatic (min. 3 bar)
Cylinder return		pneumatic or spring
Front Bearings		ceramics
Rear Bearings		18000 steel / 24000 ceramic
Bearings lubrication		for life
Nominal tension	Volts	380
Cooling system		electric fan 24 Volts
Electric Board 4.0	base	digital
	available protocols	can bus - can open - ethercat - i/o link - etc...
Encoder - 1Vpp o TTL		opt
Vibration Sensor		opt
Bearing Temperature Sensor		opt

LIQUID COOLED



SYNCHRONOUS

ASYNCHRONOUS

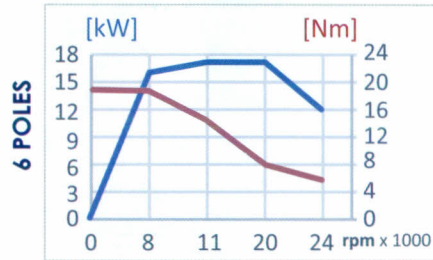


fig. 1

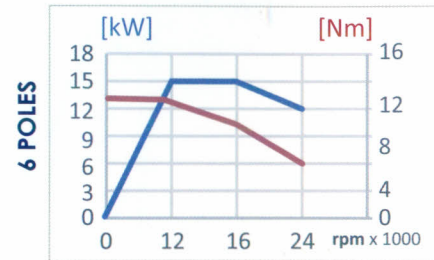


fig. 2

SYNCHRONOUS

ASYNCHRONOUS

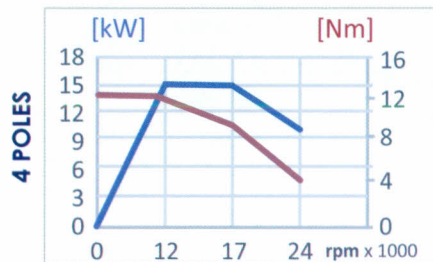


fig. 3

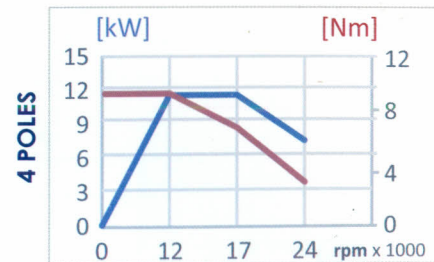


fig. 4

SAB 132 - automatic tool change

Base Dimension		176 x 132 mm
Power S1/Speed	kW/rpm*1000	16 / 8 (Synchronous) 6P fig. 1
		15 / 11 (Asynchronous) 6P fig. 2
		15 / 12 (Synchronous) 4P fig. 3
		11,5 / 12 (Asynchronous) 4P fig. 4
Tool taper		HSK F63
Torque S1	Nm	see Chart
Maximum frequency	Hz	1200 / 800
Motor poles	n°	6 / 4
Max. speed	rpm	24000
Tool Clamping		springs
Tool Unlocking		pneumatic (min. 3 bar)
Cylinder return		pneumatic or spring
Front Bearings		ceramics
Rear Bearings		ceramics
Bearings lubrication		for life
Nominal tension	Volts	380
Cooling system		liquid
Encoder -1Vpp o TTL		opt

**LIQUID COOLED
ASYNCHRONOUS MOTOR
SHORT NOSE**

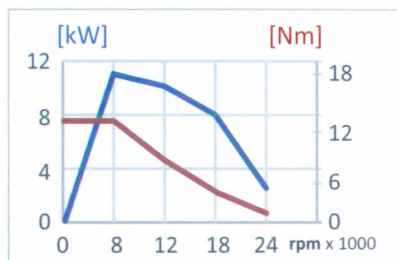
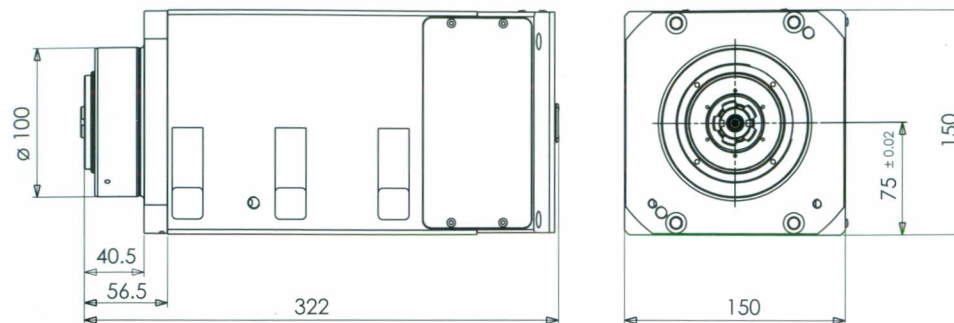
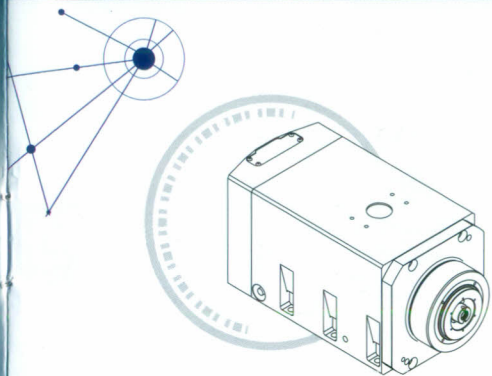


fig. 1

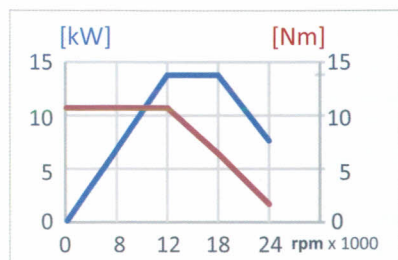


fig. 2

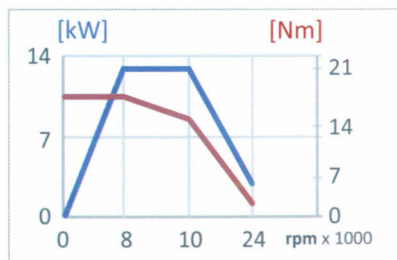


fig. 3

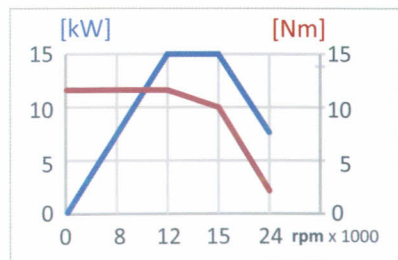


fig. 4

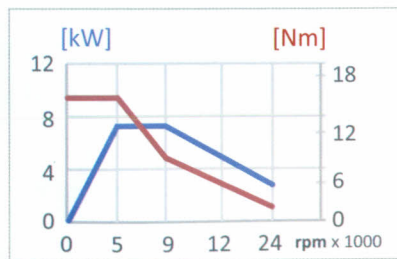


fig. 5

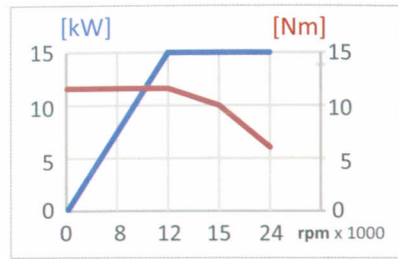
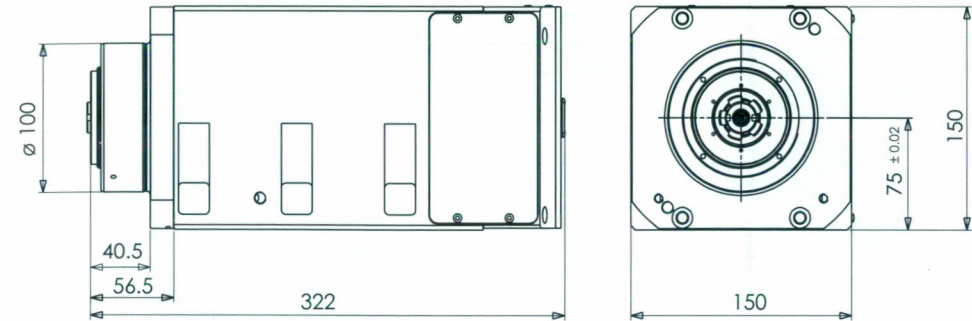
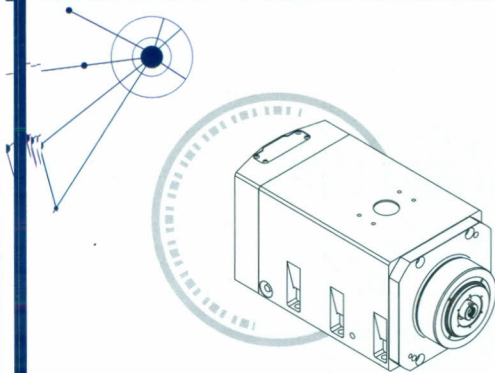


fig. 6

SAB150 - automatic tool change		
Base Dimension	block	150 x 150 mm
Power S1/Speed	kW/rpm*1000	10 / 7.5 fig. 1
		13.5 / 12 fig. 2
		13 / 7.5 fig. 3
		15 / 12 fig. 4
		7 / 4.5 fig. 5
		15 / 15 fig. 6
Tool taper		HSK F63
Torque S1	Nm	see chart
Maximum frequency	Hz	800
Motor poles	n°	4
Max. speed	rpm	18000 or 24000
Tool Clamping		springs
Tool Unlocking		pneumatic (min. 3 bar)
Cylinder return		pneumatic or spring
Front Bearings		ceramics
Rear Bearings		18000 steel / 24000 ceramic
Bearings lubrication		for life
Nominal tension	Volts	380
Cooling system		liquid
Encoder -1Vpp o TTL		opt

SAB150

LIQUID COOLED
SYNCHRONOUS MOTOR
SHORT NOSE



HIGH PERFORMANCE SYNCHRONOUS MOTOR

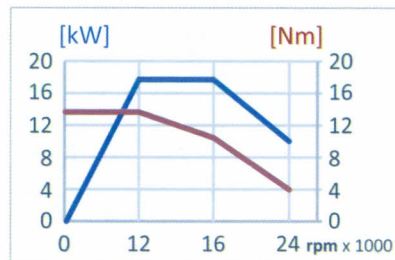


fig. 1

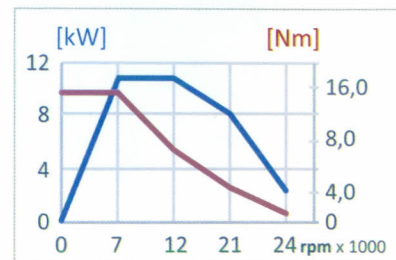
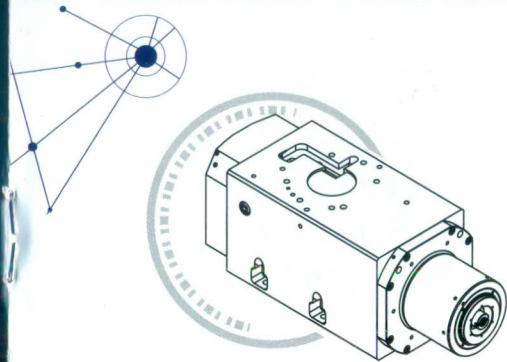


fig. 2

SAB150 - automatic tool change

Base Dimension	block	150 x 150 mm
Power S1/Speed	kW/rpm*1000	17 / 12 fig. 1
		10.5 / 7 fig. 2
Tool taper		HSK F63
Torque S1	Nm	see chart
Maximum frequency	Hz	800
Motor poles	n°	4
Max. speed	rpm	18000 or 24000
Tool Clamping		springs
Tool Unlocking		pneumatic (min. 3 bar)
Cylinder return		pneumatic or spring
Front Bearings		ceramics
Rear Bearings		18000 steel / 24000 ceramic
Bearings lubrication		for life
Nominal tension	Volts	380
Cooling system		liquid
Encoder -1Vpp o TTL		opt

SAB150



LIQUID COOLED
ASYNCHRONOUS MOTOR
LONG NOSE

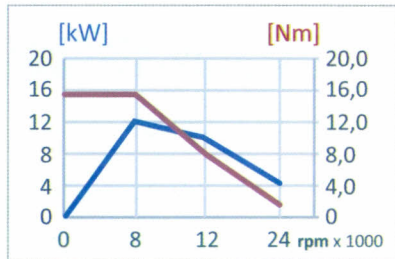
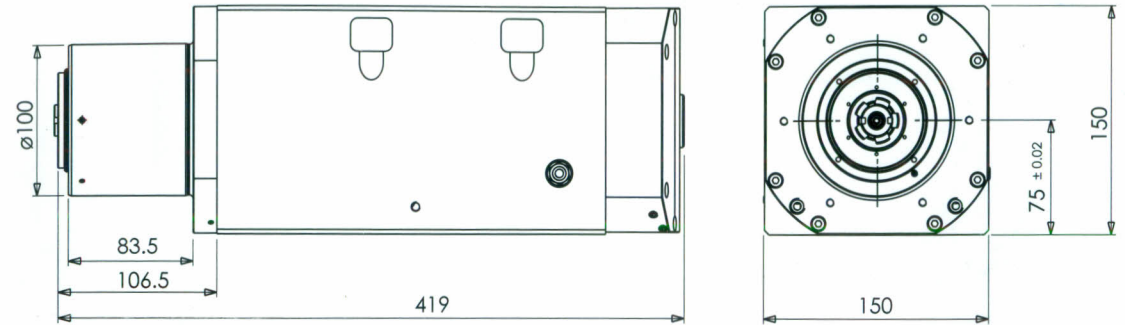


fig. 1

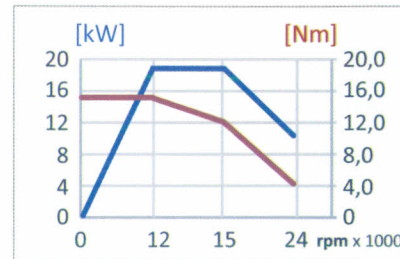


fig. 2

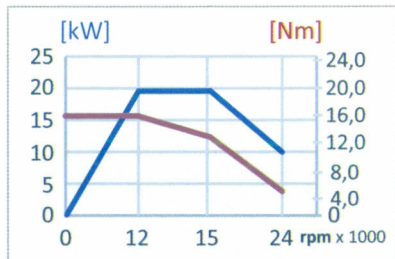


fig. 3

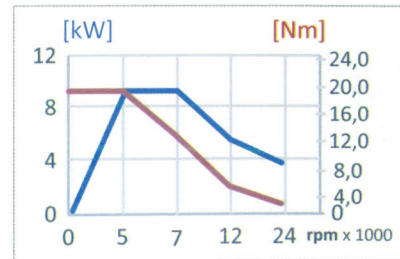


fig. 4

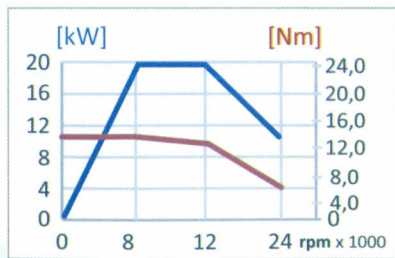
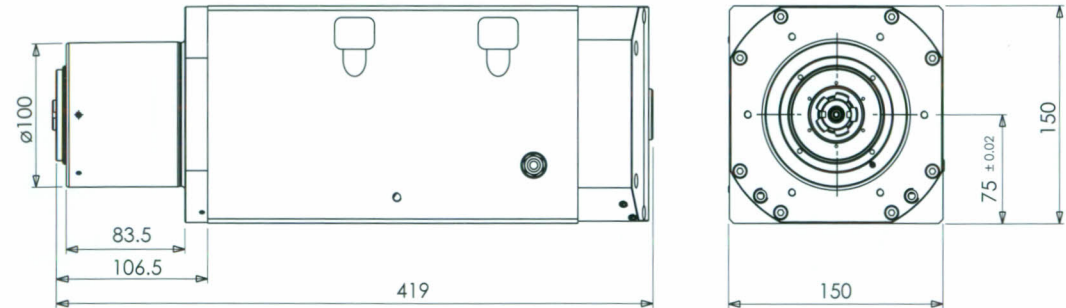
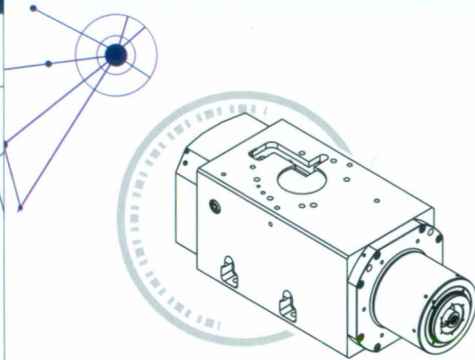


fig. 5

SAB150 - automatic tool change		
Base Dimension	block	150 x 150 mm
Power S1/Speed	kW/rpm*1000	12 / 7.5 fig. 1
		18.5 / 12 fig. 2
		20 / 12 fig. 3
		10 / 4.5 fig. 4
		20 / 15 fig. 5
Tool taper		HSK F63
Torque S1	Nm	see chart
Maximum frequency	Hz	800
Motor poles	n°	4
Max. speed	rpm	18000 or 24000
Tool Clamping		springs
Tool Unlocking		pneumatic (min. 3 bar)
Cylinder return		pneumatic or spring
Front Bearings		ceramics
Rear Bearings		18000 steel / 24000 ceramic
Bearings lubrication		for life
Nominal tension	Volts	380
Cooling system		liquid
Encoder -1Vpp o TTL		opt

LIQUID COOLED
SYNCHRONOUS MOTOR
LONG NOSE



HIGH PERFORMANCE SYNCHRONOUS MOTOR

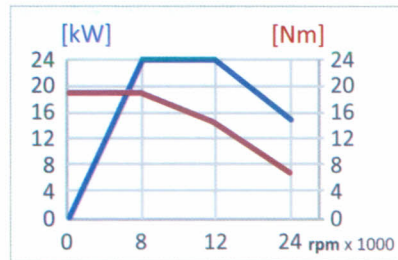


fig. 1

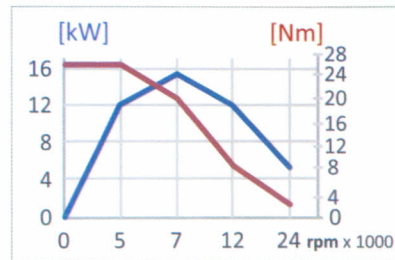
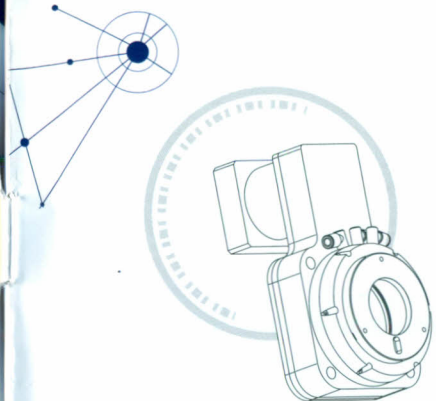


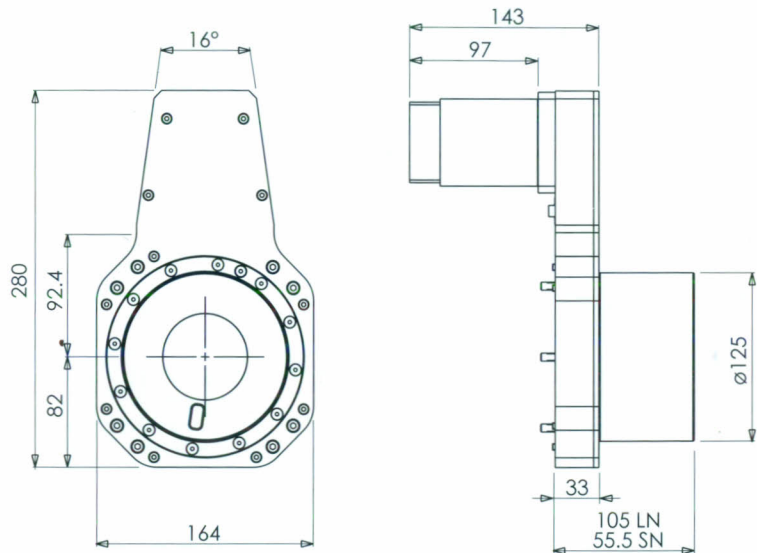
fig. 2

SAB150 - automatic tool change

Base Dimension	block	150 x 150 mm
Power S1/Speed	kW/rpm*1000	24 / 12 fig. 1
		15 / 7 fig. 2
Tool taper		HSK F63
Torque S1	Nm	see chart
Maximum frequency	Hz	800
Motor poles	n°	4
Max. speed	rpm	18000 or 24000
Tool Clamping		springs
Tool Unlocking		pneumatic (min 3 bar)
Cylinder return		pneumatic or spring
Front Bearings		ceramics
Rear Bearings		18000 steel / 24000 ceramic
Bearings lubrication		for life
Nominal tension	Volts	380
Cooling system		liquid
Encoder -1Vpp o TTL		opt



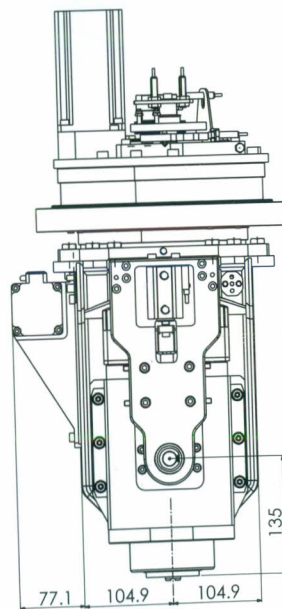
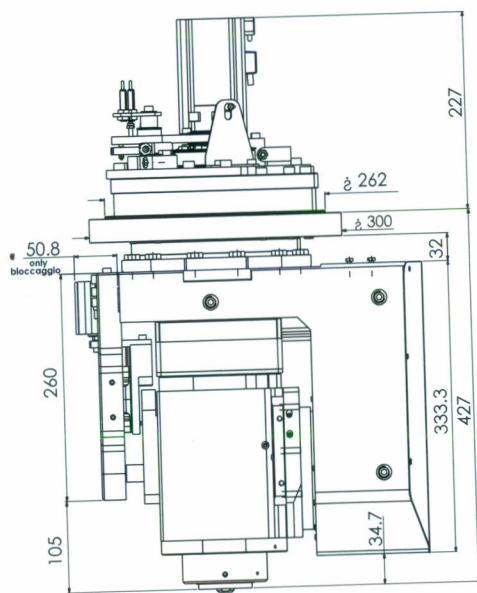
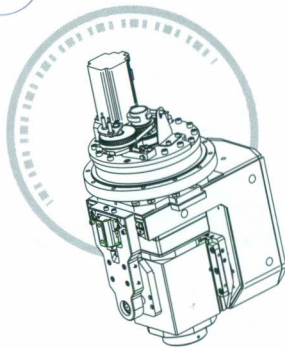
C AXIS



CLR400 / CSR400 - axes C			
Code		CLR400	CSR400
Rotation Degrees	Grade	continuous	
Nominal Torque	Nm	50	70
Max. Torque	Nm	120	
Motor Power	Watt	400 / 800 w (yaskawa - delta)	
Nominal rpm	rpm	3000 / 5000	
Zero Sensor	rpm	n° 1 PNP-NC	
Gearbox Type		epicyclic	
Reduction Ratio		1:7	1:10
Lubrication		for life	
Pneumatic Services		0 / 1 / 2 / 3	no
Nose		LN-Long nose	SN-Short nose
Precision	Arc/min	0,01	

HAS420 - HAS421

SINGLE SHOULDER

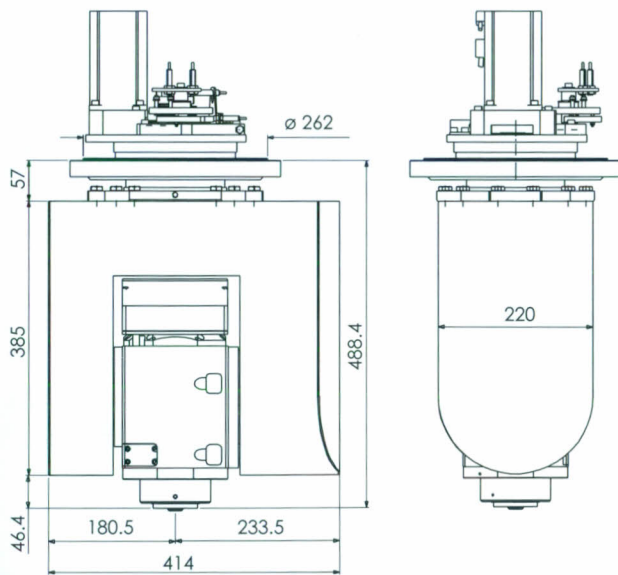
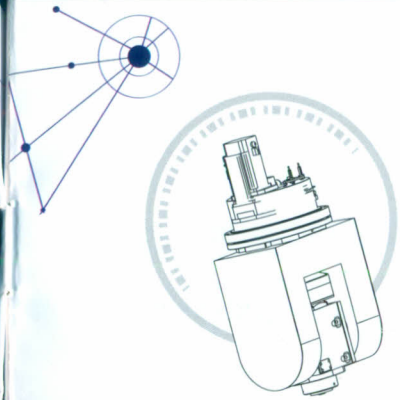


HAS420 - HAS421 - 2 axis heads

Code		HAS420	HAS421
Spindle Power	kW	see ELM SAB150	
AXIES A			
Rotation range	Grade	+ 110 / - 90	
Continuous Torque	Nm	320 Nm	
Max Torque	Nm	600 Nm	
Servomotor Power	Watt	400 w (yaskawa - delta - other type on request)	
Max motor speed	rpm	3000 / 5000	
Limit Switch sensor		n° 2 PNP-NC	
Gearbox type		Harmonic drive	
Ratio		1 / 363	
AXIES C			
Rotation range	Grade	+ 365 / - 365	
Continuous Torque	Nm	320	700
Max Torque	Nm	600	800
Servomotor Power	Watt	800 w (yaskawa - delta - other type on request)	
Max motor speed	rpm	3000/5000	
Limit Switch sensor		n° 2 PNP-NC	
Gearbox type		Harmonic drive 40	Harmonic drive 58
Ratio		1 / 363	
Vertical pneumatic locking		no	yes
Weight		95	95

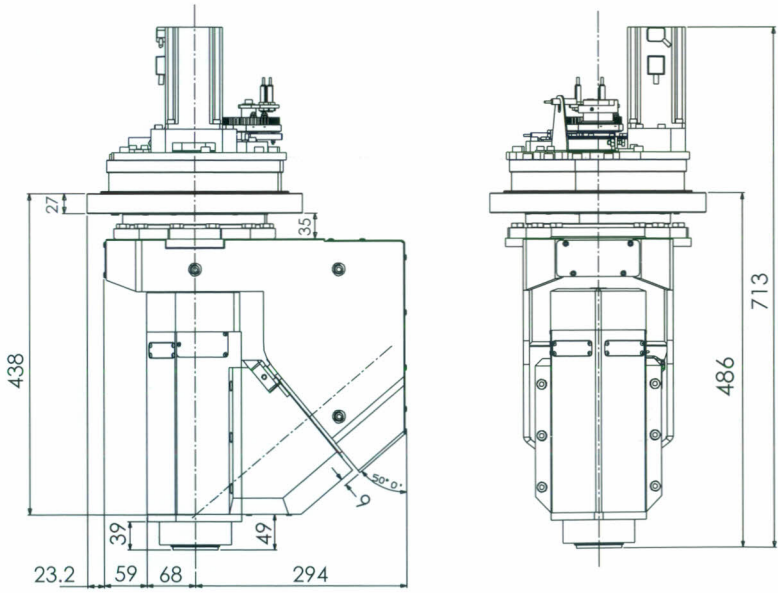
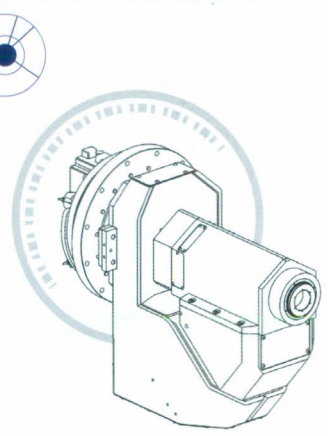
HDS490-HDS491

DOUBLE SHOULDER



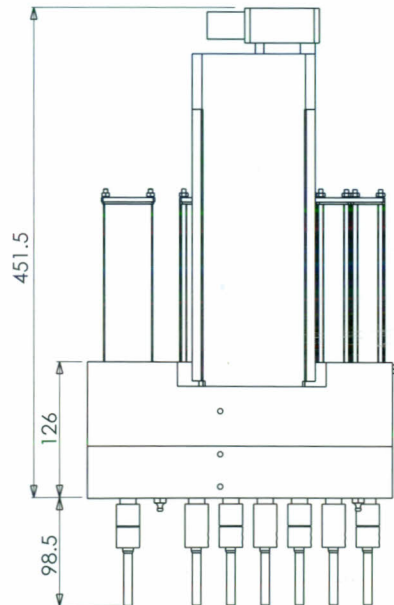
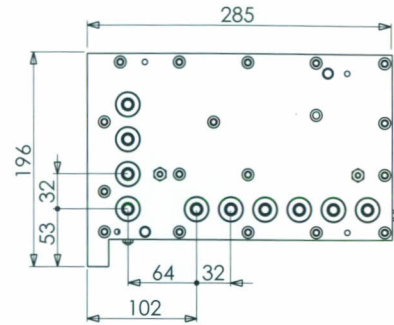
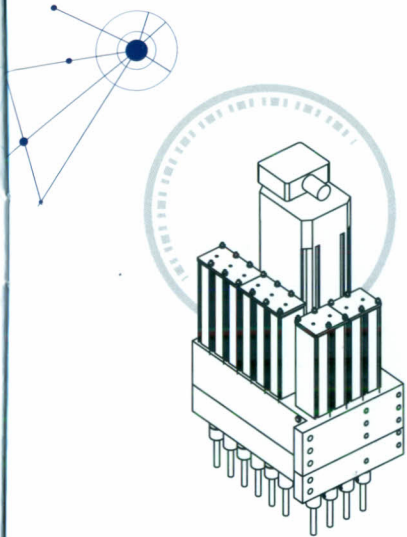
HDS491 - 2 axis heads			
Code		HDS490	HDS491
Spindle Power	kW	see ELM SAB150	
AXIES A			
Rotation range	Grade	+ 110 / - 110	
Continuous Torque	Nm	320 Nm	
Max Torque	Nm	600 Nm	
Servomotor Power	Watt	400 w (yaskawa - delta - other type on request)	
Max motor speed	rpm	3000 / 5000	
Limit Switch sensor		n° 2 PNP-NC	
Gearbox type		Harmonic drive	
Ratio		1 / 363	
AXIES C			
Rotation range	Grade	+ 365 / - 365	
Continuous Torque	Nm	320	700
Max Torque	Nm	600	800
Servomotor Power	Watt	800 w (yaskawa - delta - other type on request)	
Max motor speed	rpm	3000/5000	
Limit Switch sensor		n° 2 PNP-NC	
Gearbox type		Harmonic drive 40	Harmonic drive 58
Ratio		1 / 363	
Vertical pneumatic locking		no	no
Weight		120	120

50 DEGREE



HDS491 - 2 axis heads		
Code		HDS490
Spindle Power	kW	see ELM SAB150
AXIES A		
Rotation range	Grade	+ 110 / - 110
Continuous Torque	Nm	320 Nm
Max Torque	Nm	600 Nm
Servomotor Power	Watt	400 w (yaskawa - delta - other type on request)
Max motor speed	rpm	3000 / 5000
Limit Switch sensor		n° 2 PNP-NC
Gearbox type		Harmonic drive
Ratio		1 / 363
AXIES C		
Rotation range	Grade	+ 365 / - 365
Continuous Torque	Nm	500
Max Torque	Nm	700
Servomotor Power	Watt	800 w (yaskawa - delta - other type on request)
Max motor speed	rpm	3000/5000
Limit Switch sensor		n° 2 PNP-NC
Gearbox type		Harmonic drive 50
Ratio		1 / 363
Vertical pneumatic locking		yes
Weight		120

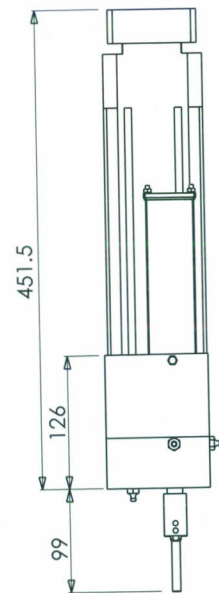
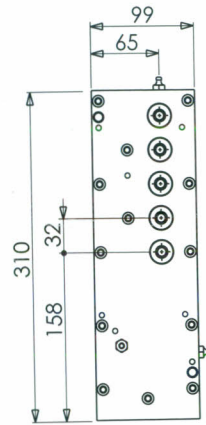
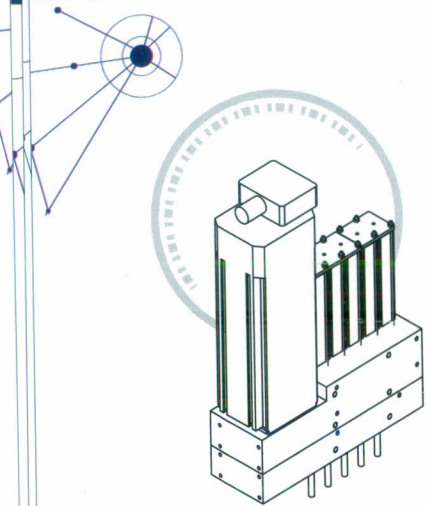
BORING UNIT



BUB 196		
Vertical Spindles		4+6
Toll Connection	mm	Dia 10-H7
Distance Between Centers	mm	32
Vertical Spindles Stroke	mm	60
Vertical Spindles Thrust	N (bar)	638 (6)
Motor Power	HP/kW	2.3 / 1.7
Rared Voltage	Volt	230/400
Motor Rated Speed	rpm	2800
Motor Rotation	rpm	4000
Rated Frequency	Hz	50-60
Vertical Spindle Speed	rpm	4000
SX Rotation		black
DX Rotation		white

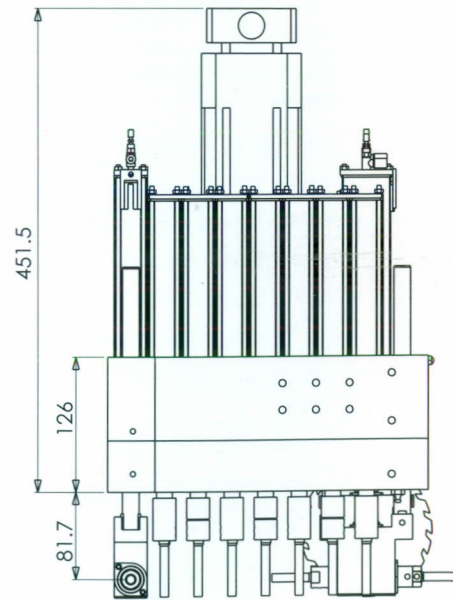
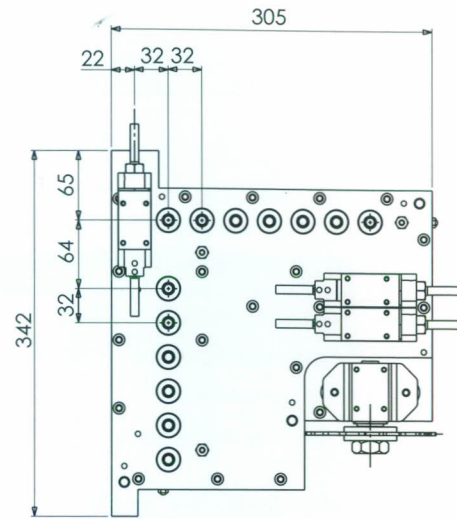
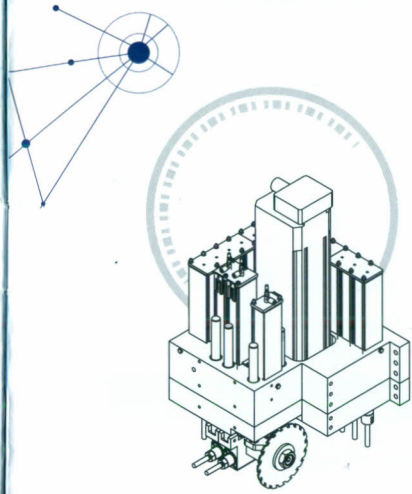
BUB310

BORING UNIT



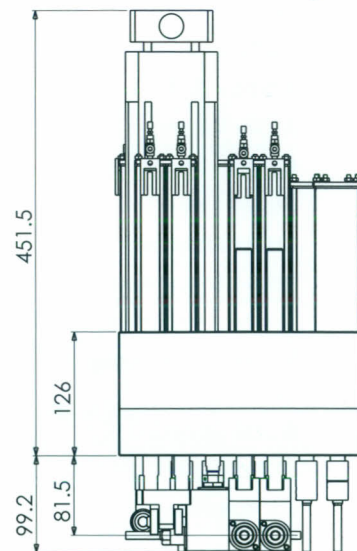
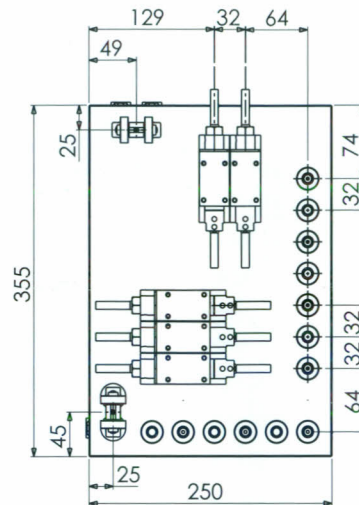
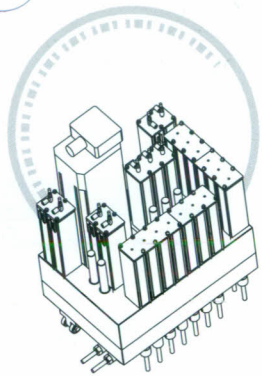
BUB 310		
Vertical Splindles		5
Toll Connection	mm	Dia 10-H7
Distance Between Centers	mm	32
Vertical Splindles Stroke	mm	60
Vertical Splindles Thrust	N (bar)	638 (6)
Motor Power	HP/kW	2.3 / 1.7
Rared Voltage	Volt	230/400
Motor Rated Speed	rpm	2800
Motor Rotation	rpm	4000
Rated Frequency	Hz	50-60
Vertical Spindle Speed	rpm	4000
SX Rotation		black
DX Rotation		white

BORING UNIT



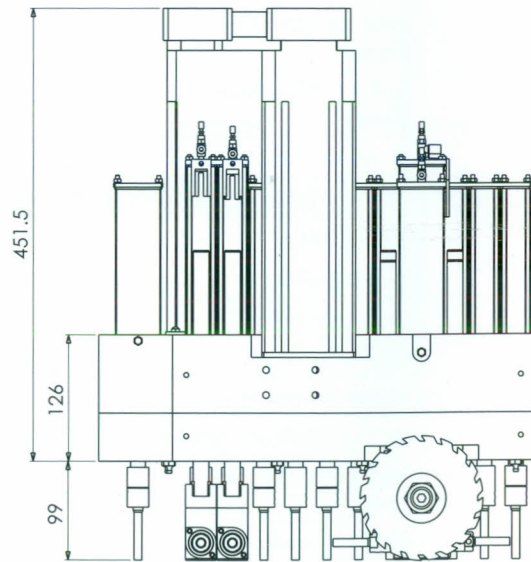
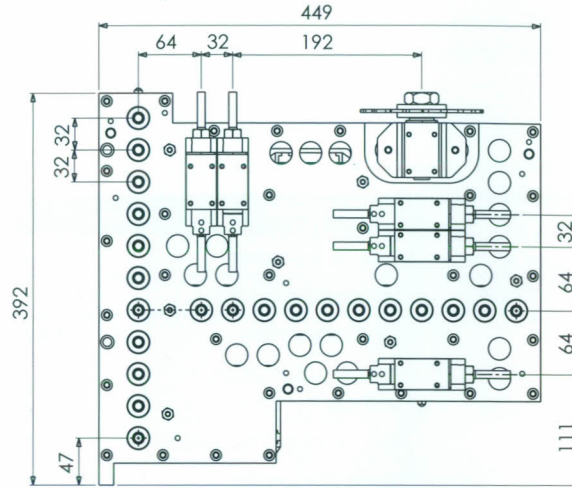
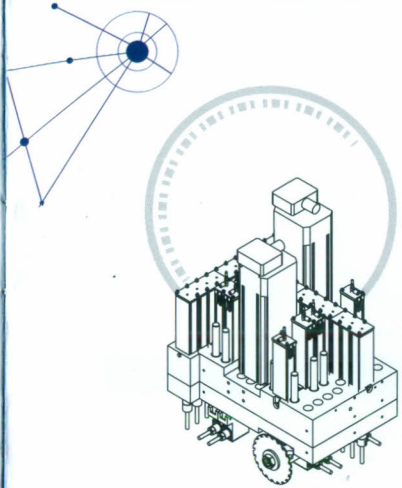
BUB 342		
Vertical Spindles		6+7
Horizontal Spindles		2+4
Toll Connection	mm	Dia 10-H7
Distance Between Centers	mm	32
Max. Boring Bits Length	mm	70
Blade Dimension	mm	Dia 125
Blade Shaft	mm	Dia 20
Vertical Spindles Stroke	mm	60
Horizontal Spindles Stroke	mm	75
Blade Unit Stroke	mm	50
Vertical Spindles Thrust	N (bar)	638 (6)
Motor Power	HP/kW	2.3 / 1.7
Rared Voltage	Volt	230/400
Motor Rated Speed	rpm	2800
Motor Rotation	rpm	4000
Rated Frequency	Hz	50-60
Vertical Spindle Speed	rpm	4000
Horizontal Spindles Speed	rpm	4000
Blade Speed	rpm	4000
SX Rotation		black
DX Rotation		white

BORING UNIT



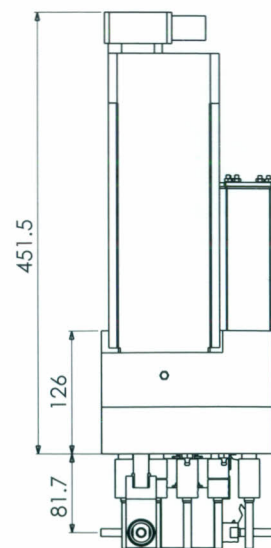
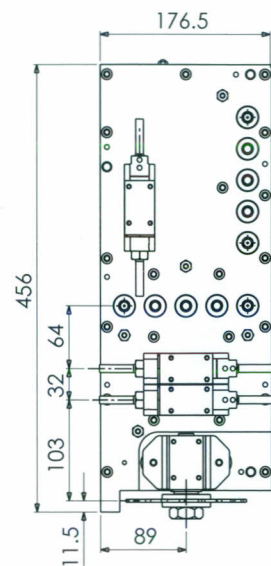
BUB 355		
Vertical Splindles		7+6
Horizontal Splindles		2+3*
Toll Connection	mm	Dia 10-H7
Distance Between Centers	mm	32
Max. Boring Bits Lenght	mm	70
Vertical Splindles Stroke	mm	60
Horizontal Splindles Stroke	mm	75
Vertical Splindles Thrust	N (bar)	638 (6)
Motor Power	HP/kW	2.3 / 1.7
Rared Voltage	Volt	230/400
Motor Rated Speed	rpm	2800
Rated Frequency	Hz	50-60
Vertical Spindle Speed	rpm	4000
Horizontal Splindles Speed	rpm	4000
Pressure Wheels		1+1
Pressure wheels Stroke	mm	70
SX Rotation		black
DX Rotation		white

BORING UNIT



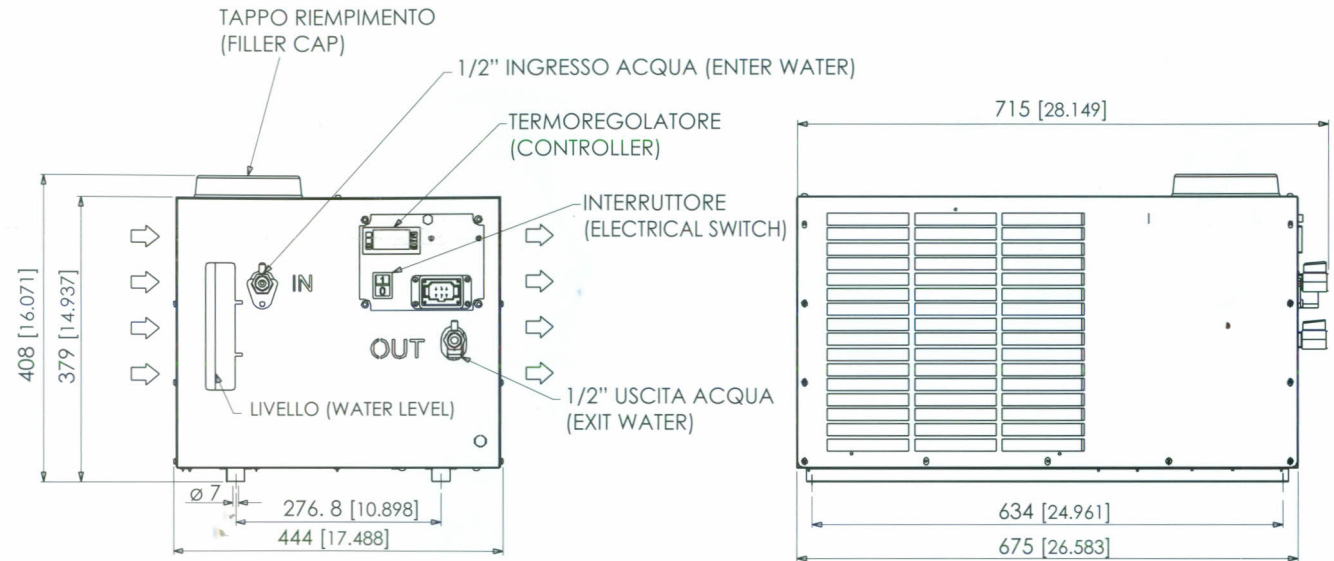
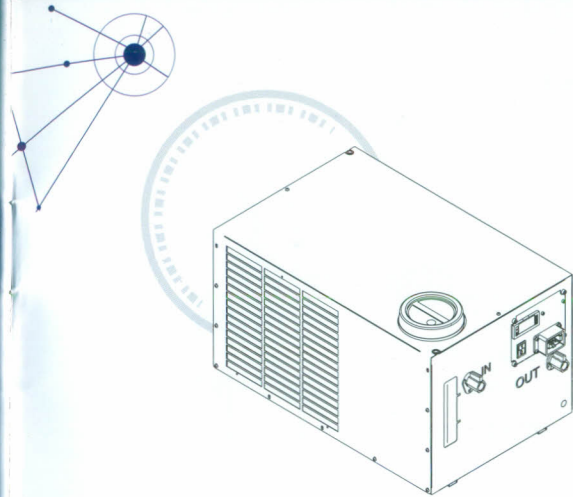
BUB 392		
Vertical Spindles		11+11
Horizontal Spindles		4+6
Toll Connection	mm	Dia 10-H7
Distance Between Centers	mm	32
Max. Boring Bits Length	mm	70
Blade Dimension	mm	Dia 125
Blade Shaft	mm	Dia 20
Vertical Spindles Stroke	mm	60
Horizontal Spindles Stroke	mm	75
Blade Unit Stroke	mm	50
Vertical Spindles Thrust	N (bar)	638 (6)
Motor Power	HP/kW	2.3 / 1.7
Rared Voltage	Volt	230/400
Motor Rated Speed	rpm	2800
Motor Rotation	rpm	4000
Rated Frequency	Hz	50-60
Vertical Spindle Speed	rpm	4000
Horizontal Spindles Speed	rpm	4000
Blade Speed	rpm	4000
SX Rotation		black
DX Rotation		white

BORING UNIT



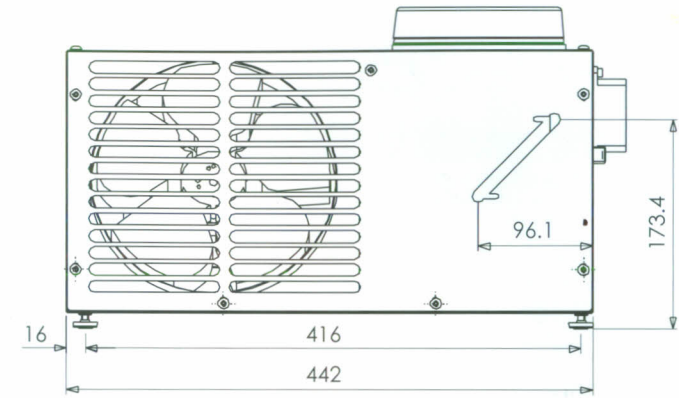
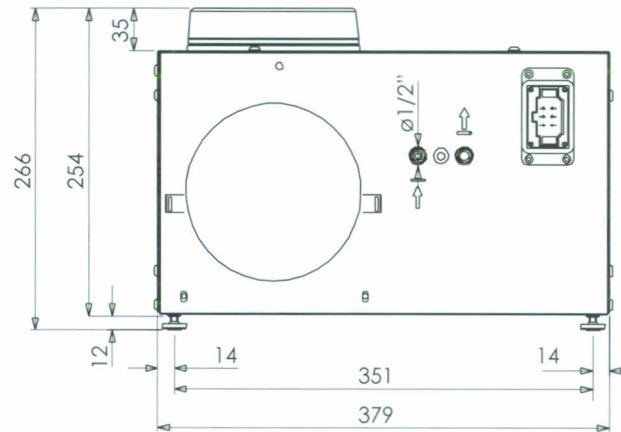
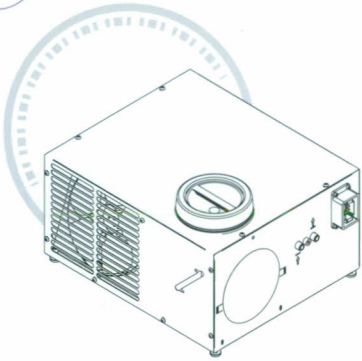
BUB 465		
Vertical Spindles		5+5
Horizontal Spindles		2+4
Toll Connection	mm	Dia 10-H7
Distance Between Centers	mm	32
Max. Boring Bits Length	mm	70
Blade Dimension	mm	Dia 125
Blade Shaft	mm	Dia 20
Vertical Spindles Stroke	mm	60
Horizontal Spindles Stroke	mm	75
Blade Unit Stroke	mm	50
Vertical Spindles Thrust	N (bar)	638 (6)
Motor Power	HP/kW	2.3 / 1.7
Rared Voltage	Volt	230/400
Motor Rated Speed	rpm	2800
Motor Rotation	rpm	4000
Rated Frequency	Hz	50-60
Vertical Spindle Speed	rpm	4000
Horizontal Spindles Speed	rpm	4000
Blade Speed	rpm	4000
SX Rotation		black
DX Rotation		white

CHILLER



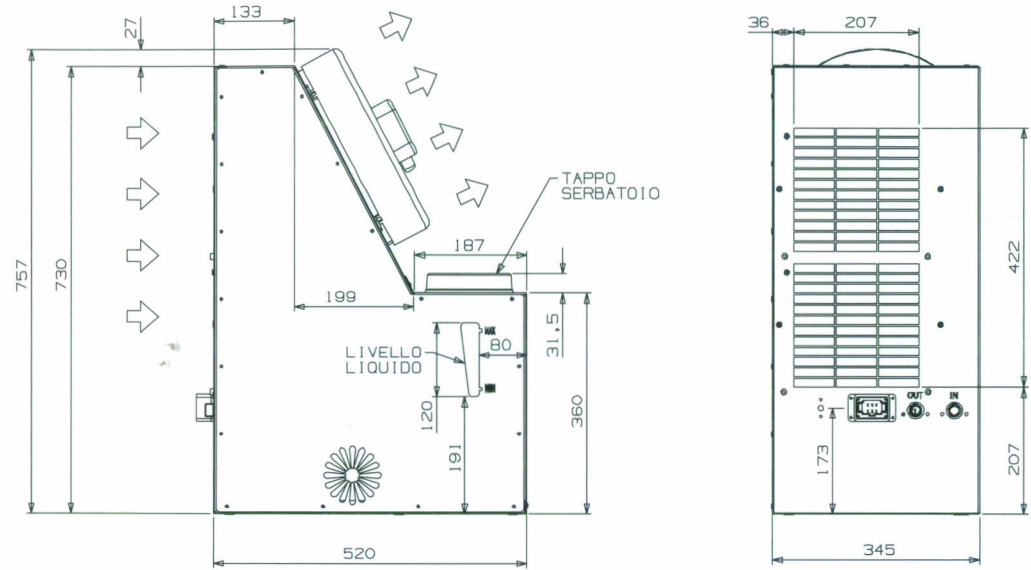
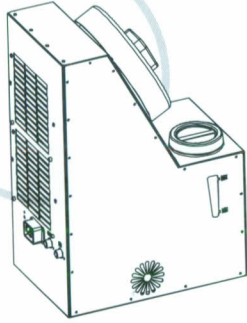
R..016 - R..032 - R..042 - refrigerator						
Power refrigeration		016	032		042	
Phase		Single Phase	Single Phase	3 Phase	Single Phase	3 Phase
Frequency	Hz	50 - 60 - 50 / 60	50	50 - 60 - 50 / 60	50	50
Voltage	V	220	220	380	220	380
Water flow / pressure	L / min - Bar	40 - 5 / 0.5 - 3.8	40 - 5 / 0.5 - 3.8		40 - 5 / 0.5 - 3.8	
		18 - 2 / 1 - 8	18 - 2 / 1 - 8		18 - 2 / 1 - 8	
Tank capacity	Lt	10				
Dimension	H x L x P	420 x 700 x 450				

HEAT EXCHANGER



E015 - exchanger				
Power refrigeration		015	015	015
Phase		Single Phase	3 Phase	Single Phase
Frequency	Hz	50 / 60	50 / 60	50 / 60
Voltage	V	220	380	115
Water flow / pressure	L / min - Bar	8 - 0.8 / 4 - 0.5	8 - 0.8 / 4 - 0.5	8 - 0.8 / 4 - 0.5
Tank capacity	Lt	5	5	5
Dimension	H x L x P	270 x 450 x 390		

HEAT EXCHANGER



E..072 - exchanger			
Power refrigeration		072	
Phase		Single Phase	3 Phase
Frequency	Hz	50 / 60 - 50 - 60	
Voltage	V	220	380
Water flow / pressure	L / min - Bar	4.75 / 3.5	4.75 / 3.5
Tank capacity	Lt	11	
Dimension	H x L x P	762 x 520 x 345	