



DYNAPAC
CONCRETE EQUIPMENT
FULL PRODUCT LINE

DYNAPAC



DYNAPAC is the founder of vibration technology.

The pendulum principle which made it possible to manufacture high-frequency poker vibrators was invented by our engineers some 50 years ago.

With constant developments in concrete equipment technology, **DYNAPAC** is one of the few full-liners in construction equipment worldwide.

Our engineers willingly stake their reputation on long-life products with solid reliability.

When designing equipment, one of our basic principles is to have only a few moving parts (pokers, external vibrators).

Our poker tubes and caps are made of special hardened steel. This provides that combination of strength and wear resistance which is typical of **DYNAPAC** pokers.

We believe in overall economy (longer life, less maintenance and spare parts needed) which makes **DYNAPAC** equipment more profitable to our customers.

From our long experience in construction sites worldwide we have learnt how to judge the correct frequency and amplitude which will suit your applications.

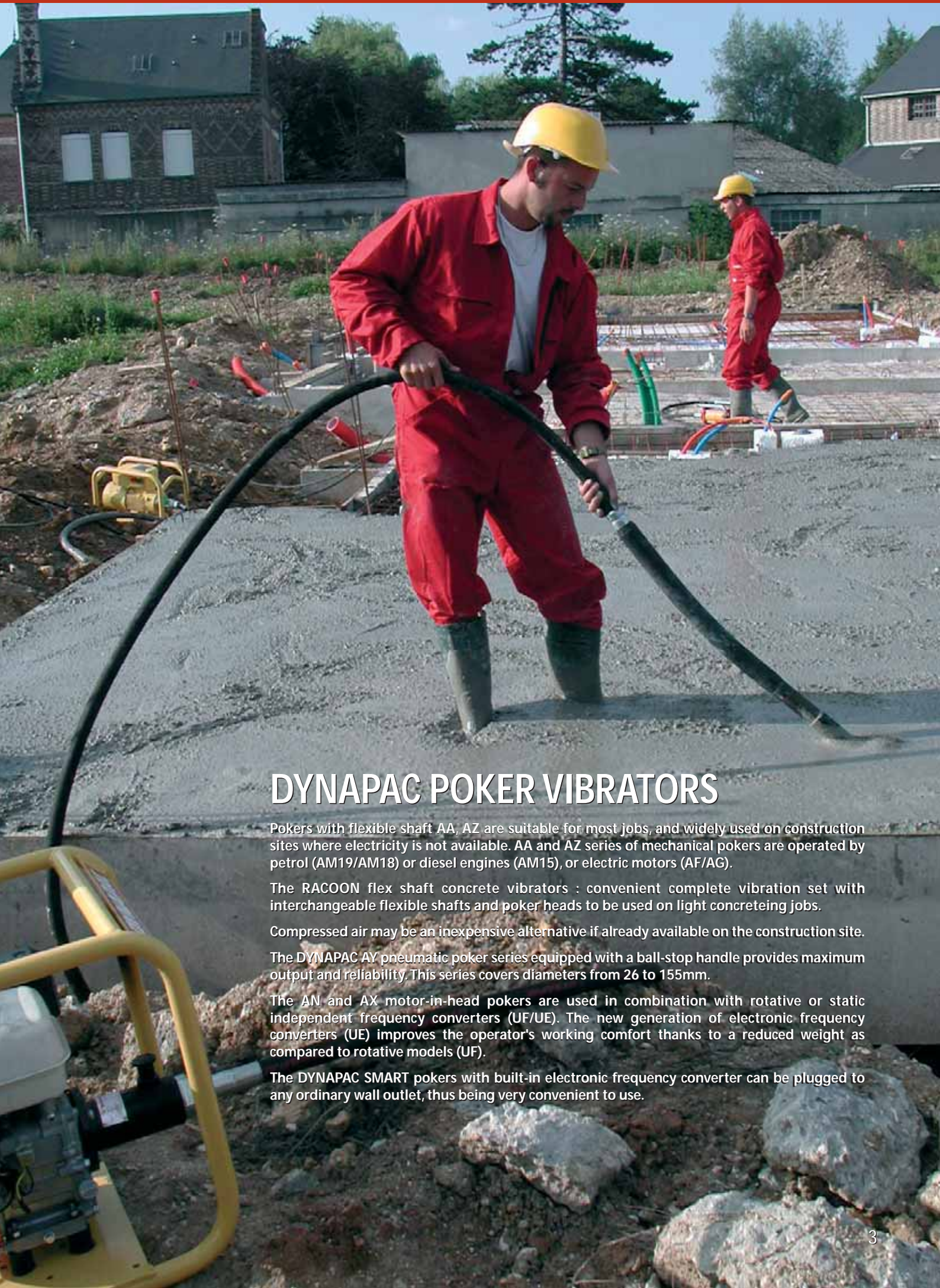
You can rely on **DYNAPAC CONCRETE** as a single supplier of equipment for all stages of concreting operations: pumping, internal / external vibration, beam vibration, trowelling, vacuuming, grinding, cutting.



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DYNAPAC

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DYNAPAC POKER VIBRATORS

Pokers with flexible shaft AA, AZ are suitable for most jobs, and widely used on construction sites where electricity is not available. AA and AZ series of mechanical pokers are operated by petrol (AM19/AM18) or diesel engines (AM15), or electric motors (AF/AG).

The RACOON flex shaft concrete vibrators : convenient complete vibration set with interchangeable flexible shafts and poker heads to be used on light concreteing jobs.

Compressed air may be an inexpensive alternative if already available on the construction site.

The DYNAPAC AY pneumatic poker series equipped with a ball-stop handle provides maximum output and reliability. This series covers diameters from 26 to 155mm.

The AN and AX motor-in-head pokers are used in combination with rotative or static independent frequency converters (UF/UE). The new generation of electronic frequency converters (UE) improves the operator's working comfort thanks to a reduced weight as compared to rotative models (UF).

The DYNAPAC SMART pokers with built-in electronic frequency converter can be plugged to any ordinary wall outlet, thus being very convenient to use.

D Y N A P A C P O K

AA / AZ PENDULUM POKERS: PERFORMANCE ON ALL JOBS WITH THE WIDEST CHOICE OF DRIVE UNITS !



AA Pokers/AM19 HONDA

- High performance with maximum speed in the poker's head (12,000 RPM)
- AA pokers: top of the range poker series, suitable for demanding applications
- AZ pokers: economical alternative manufactured along DYNAPAC quality standards

QUALITY COMPONENTS:

Major wearing parts made of induction hardened magnesium steel alloy

- Galvanized pendulum specially shaped to obtain optimal centrifugal force and amplitude, galvanized tube, special steel reinforcement in the rubber hose
- No protruding parts for easy operation in concrete between reinforcement bars
- Compatibility with a wide choice of petrol, diesel or electric drive units.

RACON FLEX SHAFT CONCRETE VIBRATORS



A complete vibration system to match any job.

- Versatile : interchangeable flexible shafts and poker heads.
- Performant : 2hp electric drive unit 230 or 115V to be combined with 4 poker heads and 5 flexible shafts.
- Resistant and ergonomic case with built-in handle.
- Safe and trouble free operation.



OUR TIPS

- Permanently lubricated twin bearings. Only the shaft needs to be lubricated after 75 hours.
- Ordinary tools can be used to change tubes and end caps, and to replace brushes on the electric motor (brushes to be changed every 250 hours of work).
- One drive unit feeds all combinations.
- Adapters available to fit competitors models.

AY PNEUMATIC POKERS: COVER ALL DIAMETERS FROM 26 TO 155 MM !



- Large choice of diameters for extensive applications from test cubes to dam vibration.
- Based on the lamella principle.
- Features the new ball-stop handle to avoid air leakage and possible power loss.
- Equipped with a highly-resistant pre-treated tube and standard 2m hose (except for AY87 to AY157).
- 4m-hose upon request.
- Lubricator available as an option.

E R V I B R A T O R S

POKER VIBRATORS WITH FLEXIBLE SHAFT (PENDULUM TYPE)

	POKERS: AA SERIES					POKERS: AZ SERIES			
	AA27	AA37	AA47	AA67	AA77	AZ26	AZ36	AZ46	AZ56
Tube diameter (mm)	25	37	49	63	75	25	35	45	55
Tube length (mm)	335	385	440	480	500	295	330	375	390
Tube weight (Kg)	0.9	2.1	4.0	6.8	9.0	0.5	1.8	1.9	2.0
Flexible shaft length (m)	6.0					4.8			
Frequency (rpm)	12 000					14 000			



AM18

Energy	DRIVE UNITS				
	Diesel	Petrol	Petrol	Electric	
Model	AM15 HATZ or LOMBARDINI	AM18 HONDA	AM19 HONDA	AF21	AG21
Power (Kw)	3.1	3.0	3.0	1.3	1.1
Frequency (rpm)	2 900	2 900	2 900	2 850/3450	
Weight (Kg)	45	23	31.5	18.5	21



AF/AG 21

HIGH FREQUENCY POKER VIBRATORS

	POKERS: AT SERIES			
	AT29	AT39	AT49	AT59
Tube diameter (mm)	29	39	49	59
Tube length (mm)	332	315	311	306
Tube weight (Kg)	1.3	2.1	2.7	3.9
Frequency (rpm)	12 000			

RACOON DRIVE UNIT (FOR AT POKERS)	
RPM	12000
Voltage	115V or 230V-1-50/60 Hz
Input (hp)	2
Weight kg-(lb)	5 - (11)
Dimensions mm-(in)	370 x 125 x 190 - (14.5 x 4.9 x 7.5)

FLEXIBLE SHAFTS

Flexible	SUPERFLEX 10	SUPERFLEX 15	SUPERFLEX 20	SUPERFLEX 30	SUPERFLEX 40
Length (m)	1.0	1.5	2.0	3.0	4.0

PNEUMATIC POKERS

	AY SERIES								
	AY27	AY37	AY47	AY57	AY67	AY77	AY87	AY107	AY157
Tube diameter (mm)	26	36	47	56	67	77	87	108	155
Tube weight (Kg)	0.7	1.5	2.8	4.5	7.9	8.9	9.7	17.7	28
Tube length (mm)	254	267	316	344	365	398	410	415	430
Frequency (rpm)	21 000	19 000	18 000	18 000	17 500	16 000	15 900	15 000	12 000
Hose length (m)	2	2	2	2	2	2	1.5	1.5	0.8

D Y N A P A C P O K

SMART ELECTRONIC POKERS: HIGH LEVEL PERFORMANCE AND RELIABILITY



- Can be plugged straight into a standard wall socket
- A streamlined design of the electronic converter box ensures trouble-free operation
- Outstanding performance for optimum efficiency in any concrete mix
- Service-friendly: can be serviced with the minimum technical know-how
- Safe operation: thermal protections, switch protected against hazardous start-ups.
- Special ergonomic pistol upon request (SMART-E)

AN/AX ELECTRIC POKERS: OUTSTANDING COMPACTION POWER !



The AN and AX motor-in-head pokers are used in combination with rotative (UF) or electronic (UE) independent frequency converters. For demanding jobsites: we recommend the AN poker series.

The AN series also covers diameters up to 90mm

The AX series allows the use of converters with lower capacity.

- AN pokers include: a maintenance-free aluminium rotating switch, a helical copper rotor in oil bath
- AX pokers include: a standard on-off switch box and a steel eccentric weight

Both AN and AX series feature thermal protection.



AN poker rotating switch



AX poker membrane switch



AN poker vibrators standard (A) hose



AN poker vibrators pistol handle (D & E) available upon request

UF/UE FREQUENCY CONVERTERS



UE electronic frequency converter

A range of rotative frequency converters (UF) from 2 to 4 outlets, single or three-phased, completed with electronic models of the same capacity, but with a 40% gain in weight.

- UF rotative converters: 2 and 4 outlet-models with capacity of 1.8 and 4.7 kVA
- UF converters with more outlets and higher capacity: available upon request
- Special versions with protected outlets for the precast industry: available upon request.
- UE electronic converters: 2 and 4 outlets with capacity of 2 and 5 kVA



UF rotative frequency converter.

OUR TIPS

How to select a frequency converter ?

- The total intensity (in Amps) of poker vibrators connected to the frequency converter should not exceed the stated intensity of the converter itself.
- Add up intensities of the pokers you want to run with the converter, if the sum is below the converter's intensity, you have selected the correct model of converter.

E R V I B R A T O R S

ELECTRONIC POKERS

	SMART28	SMART40	SMART48	SMART56	SMART65
Tube diameter (mm)	25/40	40	48	56	65
Tube length (mm)	239/211	320	350	380	410
Hose length (m)	1	5	5	5	5
Cable length (m)	15				
Speed (r.p.m)	12 000				
Primary voltage (V) \pm /-10%	230V-1-50/60 Hz or 115V-1-50/60 Hz				
Dimensions of the converter L x W x H (mm)	310 x 105 x 110				



ELECTRIC POKER VIBRATORS

	POKERS: AN SERIES						POKERS: AX SERIES			
	AN28	AN40	AN48	AN56	AN65	AN90	AX40	AX48	AX56	AX65
Tube diameter (mm)	25/40	40	48	56	65	90	40	48	56	65
Tube length (mm)	239/211	320	350	380	410	566	320	350	380	410
Tube weight (Kg)	2.4	2.3	4.2	5.2	7.9	18	2.1	4.1	5.1	7.7
Frequency (rpm)	12 000	12 000	12 000	12 000	12 000	6 000	12 000			
Amperage at 42/115 V - (A)	4/1.5	5/1.9	11/4.1	13.5/5	21/7.8	21/7.8	4.5/1.7	10/3.7	11.7/4.5	19/7

FREQUENCY CONVERTERS

Model	ROTATIVE: UF SERIES			ELECTRONIC: UE SERIES		
	UF60	UF61	UF81	UE60	UE61	UE81
Power (Kva)	1.8	1.8	4.7	2	2	4
Intensity at 42V-(A)	25	25	67	28	28	68
Intensity at 115V-(A)	9.2	9.2	24.5	-	-	-
Number of phases (primary voltage)	1	3	3	1	3	3
Number of outlets	2	2	4	2	2	4
Weight (Kg)	42	42	81	24	24	52
Protection index	IP55	IP55	IP55	IP65	IP65	IP65

VACUUM TREATMENT FOR CONCRETE

The DYNAPAC vacuum treatment is a mechanical compaction technique reducing water and air contained in the concrete and enabling larger aggregates to move upwards and set in the concrete surface.

Using the BA41 vacuum pump and connected BB suction mats allows to use cement with a higher content of water (easier to pour and handle), while obtaining a strong concrete.

The vacuum treatment technique avoids the use of costly additives and plasticizers.

Used whenever the time-schedule is tight, when trowelling should start only a few hours after pouring, the BA41 allows to treat up to 60 sqm at once.

Vacuum treatment is used right after internal vibration or beam vibration has been performed, and trowelling can start immediately upon removing the suction mats.



DYNAPAC VACUUM TREATMENT UNIT

BA41

Prior to trowelling, the concrete can be vacuumed with the DYNAPAC BA41 / BB mats vacuum set in order to ensure quick concrete consolidation and obtain maximum compressive strength.

A highly efficient mechanical compaction technique reducing water and air contained in the concrete.

Enabling larger aggregates to move upward and set in the concrete surface.



BA41 vacuum pump with mat



- Lower cost (only standard concrete mix to be used).
- Faster production (trowelling can begin immediately after vacuuming).
- High capacity (up to 60 sqm at once with one single pump).
- High flatness accuracy.

OUR TIPS

As the use of Vacuum treatment results in highly-resistant concrete floors, and very accurate flatness, this technique is highly recommended when treating concrete surfaces used for automated picking or sensitive (high-tech) industries.

Energy	Electric
Model	BA41E
Voltage	400-3-50 Hz
Intensity at 50 Hz	9.5
Speed at 50 Hz (rpm)	2850
Output (at 50 Hz) hp	5.4
Maximum vacuum (%)	80
Weight (Kg)	125

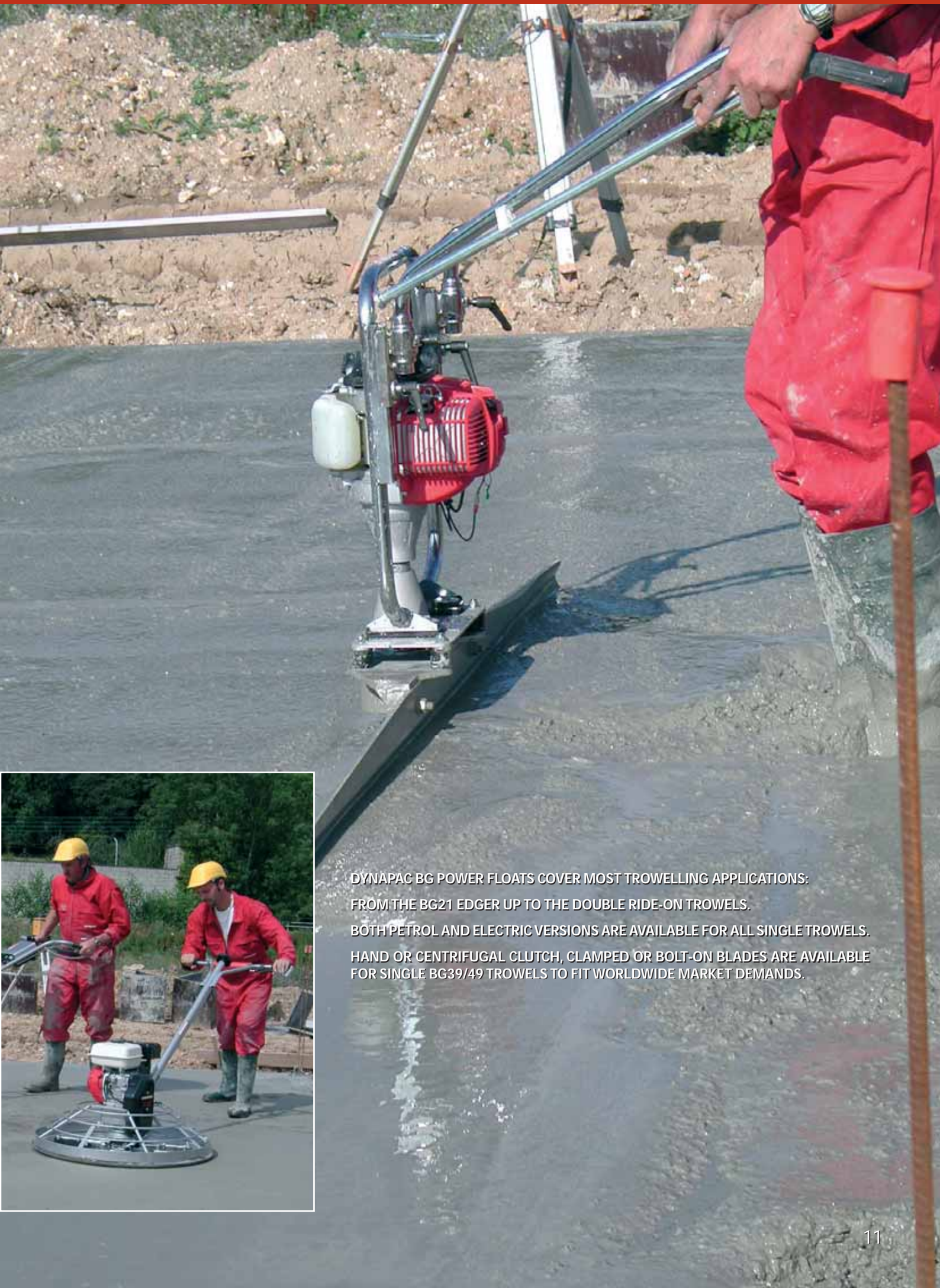
BB SUCTION MATS	
Suction mat	Length x width (m)
BB15	1.5 x 5.0
BB30	3.0 x 5.0
BB40	4.0 x 5.0
BB50	5.0 x 5.0
BB60	6.0 x 5.0
Bottom filter mat	30 x 1.2

DYNAPAC SURFACING: VIBRATING BEAMS AND TROWELS

A WIDE CHOICE OF COMPACTION BEAMS WITH THE BM/BR DOUBLE VIBRATING BEAMS AND BT90 MODULAR SCREEDS, COMBINED WITH BV FINISHING BEAMS (SINGLE OR TWIN-HANDLE) MAKES THE DYNAPAC RANGE A TRULY UNIQUE COMPREHENSIVE OFFER ON THE MARKET !

VARIOUS TYPES OF ENERGY AVAILABLE:
DOUBLE AND FINISHING BEAMS: ELECTRIC OR PETROL
MODULAR SCREEDS: PNEUMATIC, ELECTRIC OR PETROL
WORKING WIDTH UP TO 25m WITH THE MODULAR SCREEDS !





DYNAPAC BG POWER FLOATS COVER MOST TROWELLING APPLICATIONS:
FROM THE BG21 EDGER UP TO THE DOUBLE RIDE-ON TROWELS.
BOTH PETROL AND ELECTRIC VERSIONS ARE AVAILABLE FOR ALL SINGLE TROWELS.
HAND OR CENTRIFUGAL CLUTCH, CLAMPED OR BOLT-ON BLADES ARE AVAILABLE
FOR SINGLE BG39/49 TROWELS TO FIT WORLDWIDE MARKET DEMANDS.

D Y N A P A C B E A

BR/BM DOUBLE BEAMS: IN-DEPTH COMPACTION EFFECT.



- BM: petrol-driven (BE10 drive with HONDA engine)
- BR: electric-driven (ER505 electric vibrator)
- Self-propelled.
- Double-profile with an in-depth action down to 200 mm !
- Made of non-corrosive aluminium alloy
- Perfectly balanced to achieve even floors
- Provide good consolidation of the concrete and an even surface.
- The BM/BR can be bent up to 2% from its center to compensate negative flexion of floors.
- Capacity of BM/BR: Approximately 2 linear meters / minute.

BT90: MODULAR SCREEDS DESIGNED FOR LARGE PAVING WIDTHS.

- Up to 15m working width with electric / petrol versions
- Up to 25m working width with pneumatic version
- Principle: assembly of modules (drive section + screed sections) to get the exact working width required.
- Designed for quick and easy mounting
- Suit all types of energy: electric, petrol, compressed air.
- Slabs can be finished flat, parabolic, rooftop or inverted
- Rigidity is ensured by triangular-shaped screed sections
- Unique turnbuckle system



OUR TIPS

- Recommended compressor capacity for pneumatic BT90: 3.5m³/mn for 10 m screed at full vibration.
- Working pressure 3-6 bars.
- 0.26m³/mn per meter at full speed for BT90 screeds.
- Over 15 m, we recommend to use a compressor and pneumatic drive section at each end

BV20A / BV21C

Floor-finishing with the right tools !

- Light and very convenient to operate
- Intended for floor finishing and correcting operations.
- The articulated handle for smooth rotation forward and backward.
- The handle can be lengthened so that the operator stands outside the slab.



BV30

- Interchangeable bottom plates make this light finishing beam versatile
- 5 different working widths: 1.8, 2.4, 3.0, 3.6, (4.8m equipped with 2 drive units upon request) .
- Simple operation thanks to an adjustable-in-height twin handle,
- Foldable devibrated handle for easy transport.
- Adjustable centrifugal force for operation on different types of concrete
- Variable speed



BV30 finishing beam on stick

M S & S C R E E D S

BM/BR DOUBLE VIBRATING BEAMS

Energy	Electric							Petrol			
	BR61	BR62	BR63	BR64	BR66	BR67	BR68	BM61	BM62	BM63	BM64
Model											
Working width (m)	3.25	4.25	5.25	6.25	7.25	8.25	10.50	3.25	4.25	5.25	6.25
Weight (Kg) (including vibrating unit)	76	100	110	118	163	174	212	96	121	131	143
Vibrating unit: - Electric vibrator	Vibrator ER 505							—			
- Petrol engine	—							BE10 HONDA			
Rating (W)	750							2,400			

BT90 MODULAR SCREEDS

Element	Screed sections			Drive units			Free-end section
	1m section	2m section	3m section	Electric	Petrol	Pneumatic	
Length (mm)	1095	2095	3095	720	720	278	200
Width (mm)	420	420	420	535	620	585	520
Height (mm)	376	376	376	980	980	970	970
Frequency (rpm)				2,865	2,900		
Input (Kw)				3	5.5		
Powered by				Electric motor 230V-3-50 Hz or 400V-3-50Hz	HONDA GX270	Compressor	

BV20/BV21 FINISHING VIBRATING BEAMS

	BV20A	BV21C
Working width (m)	2.0	2.0
Weight (Kg)	21	18
Articulated handle	Yes	Yes
Energy	Electric	Petrol
Motor	10 500 RPM vibrator	4-stroke engine HONDA GX25

BV30 FINISHING VIBRATING BEAMS

	BV30				
Working width (m*)	1.8	2.4	3.0	3.6	4.2
Weight incl.					
Bottom plate (Kg)	21	23	25	27	30
Vibrating unit	HONDA 4-stroke engine OHC GX35				
Power kw - (hp)	1.2 - (1.6) at 7000 rpm				

* the beam is available with 5 possible bottom plates of various standard lengths, and upon request in 4.8m

D Y N A P A C P O



BG21 EDGER: ELECTRIC OR PETROL VERSIONS !

- Designed for trowelling small surfaces, edges and corners
- Equipped with a rotative flywheel, allowing smooth operation even in tight corners.
- Foldable arm with belly-cushion
- Specially-engineered DYNA-PITCH for fine adjustment of the blade angle.

BG39/49: VERSATILITY

- New generation of compact power floats
- Durable design ensuring maximum lifetime.
- Equipped with belly-cushion



BG39 single trowel equipped with petrol engine

BG33/42 ELECTRIC VERSIONS

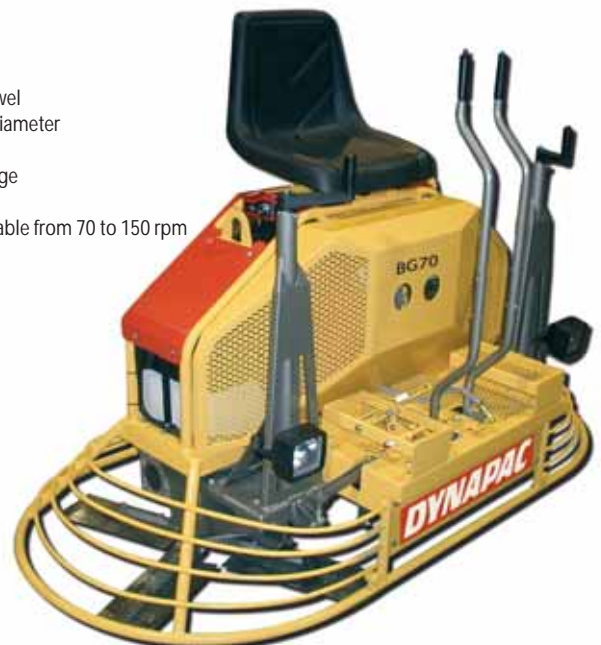
- Designed for maximum ergonomoy and capacity.
- Long and foldable galvanized handle and wheels
- Direct-driven blade rotor.
- Two-stage helical gear giving the gear box 100% efficiency.
- Safety handle stopping the engine within a quarter-turn when the handle is released

OUR TIPS

- The first pass (rough trowelling) with smoothing disk can take place as soon as the concrete can be walked on.
- The second pass (fine trowelling) with multi-purpose blades can take place as soon as you can press the concrete with the hand without collecting concrete on it.
- Average wear of the multi-purpose blades with standard concrete mix: 1500 sqm. All our blades are reversible !

BG70

- High-capacity ride-on double trowel
- BG70 : 1780 mm (70 in) working diameter
- Equipped with 2 sets of blades
- 2 optional smoothing disks for large floor finishing requirements
- High-speed blade rotation adjustable from 70 to 150 rpm
- Retardant spray system
- Halogen lights



DYNAPAC BG70 non-overlapper ride-on trowel.



W E R T R O W E L S

SINGLE HAND-GUIDED POWER TROWELS: PETROL VERSIONS

	BG21G HONDA	BG39GS HONDA	BG39GL HONDA	BG49GS HONDA	BG49GL HONDA
Operating weight (kg)	56	76	88	107	119
Rotor diameter (mm)	600	890	890	1140	1140
Blade speed (rpm)	50 to 110	50 to 120	50 to 120	50 to 120	50 to 120
Type of handle	Foldable	Short	Long	Short	Long
POWER UNIT					
Engine brand	HONDA	HONDA	HONDA	HONDA	HONDA
Model	GX120	GX160 QX	GX160 QX	GX270 QX	GX270 QX
Rated power kW - (hp)	2.4 - (3.1)	4.0 - (5.5)	4.0 - (5.5)	6.6 - (9.0)	6.6 - (9.0)
At (rpm)	3000	3600	3600	3600	3600
Fuel	Petrol	Petrol	Petrol	Petrol	Petrol
Gasoline tank capacity (l)	2.50	3.60	3.60	6	6
Transport wheel kit, lifting eye	I.e: optional	optional	optional	optional	optional
DIMENSIONS					
LxWxH-(mm)	900 x 700 x 900	1 800 x 930 x 1 010	2 530 x 930 x 1 010	2 176 x 1196 x 1 010	2 796 x 1 196 x 1 010



Single trowel equipped with electric engine

SINGLE HAND-GUIDED POWER TROWELS: ELECTRIC VERSIONS

	BG21E	BG33E	BG42E
Operating weight (kg)	58	77	88
Rotor diameter (mm)	600	830	1020
Blade speed (rpm)	110	50 to 100	50 & 100
Type of handle	Foldable	Long foldable	Long foldable
Motor	Electric		
Voltages available	230V-1-50 Hz	230V-3-50 Hz Or 400-3-50 Hz	230V-3-50 Hz Or 400-3-50 Hz
Power (kW)	1.1	1.35/2.0 Or 1.6/2.4	1.35/2.0 Or 1.6/2.4
Protection index	IP54	IP44	IP44
Dimensions L x W x H (mm)	900x700x900	2550x870x950	2665x1070x950

RIDE-ON DOUBLE TROWEL

BG70

Type	Mechanical
Working width (mm)	1780
Engine type	HONDA
Model	GX620
Power at 3600 rpm Kw - (hp)	15 - (20)
Blade speed (rpm)	70 to 150
Overlapping	No
Weight (Kg)	300



DYNAPAC





CONCRETE GRINDERS AND CUTTERS

Cutters / floor saws (ORKA) and grinders (BS50) are being used

- to finish concrete surfaces (to make reservation for expansion joints or grinding raised joint edges).
- for concrete / Asphalt repair jobs

Used in the building industry to cut trenches and make expansion joints, ORKA floor saws are also extensively used in road repair works to cut asphalt stripes.

With a decisive edge over other techniques they economically perform a very accurate job.

The DYNO 350 T table saw completes the cutting & grinding range.

The BS50 grinding machine has a 3 to 5 times greater capacity than other concrete grinders. It is really versatile thanks to a choice of cutting / grinding tools.

Covering a larger surface with 500 mm grinding head.

Comparative tests with other machines on the market have shown that the DYNAPAC BS50 performs the job at a cost 50% lower per sqm (saves man hours).

D Y N A P A C G R I N D

DYNAPAC floor saws: a compact range covering most common cutting applications.

Floor saws feature:

- A fork-watering device, i.e: constant cooling of the diamond disk on both sides, improved evacuation of dust and waste while in operation.
- HONDA engine with a cyclonic filter improving the engine's lifetime.
- Lombardini engine for the Diesel version
- Optimal balance of the machine for accurate cutting



ORKA 350/450D

**ORKA 350/450:
PETROL OR DIESEL VERSION**

- Combined diameter 350/450 mm in one machine (suitable for diamond blades up to 450 mm)
- Equipped with a 13 hp HONDA petrol engine or a 7 hp diesel engine
- Reversible handle: reduced height and width for transportation
- "V-poly"
- Fork-watering device



ORKA 350/450

DYNO 350T TABLE SAW: DESIGNED TO CUT NATURAL STONE, CONCRETE, BRICKS, TILES.



DYNO 350T (tiltable)

- Used with a 350 mm diamond blade
- DYNO 350T is tiltable from 90° to 45° to adjust the angle cut with multiple positions.
- 600 mm maximum cutting length
- Equipped with an electric single-phased motor
- Fitted with a trash pump to permanently recycle the water used for wet-cutting.



BS50: A HIGH-CAPACITY, MULTI-PURPOSE MACHINE FOR CONCRETE AND ASPHALT CUTTING AND GRINDING.



- Designed for wet and dry floor grinding
- Equipped with 3 wheels vs 2 wheels for most machines on the market
- High-precision and less tiring work (2 wheels fixed and one steering)
- Large grinding / cutting head: 500 mm.
- Outlet for water and dust collector
- Hydraulically-adjusted head
- A wide choice of cutting / grinding tools (see page 17)
- **3 to 5 times greater capacity than any other concrete grinding machine:** owing to a greater surface capacity, and adjustable grinding load (with removable weights)

E R S & C U T T E R S

	FLOOR SAWS	
	ORKA 350/450	ORKA 350/450D
Standard disk size (mm)	350 or 450	
Max. cutting depth (mm)	175	175
Engine	HONDA GX390 QXC4	LOMBARDINI 15 LD 350
Fuel	Petrol	Diesel
Power Kw - (hp)	9.6 - (13)	5.1 - (7)
Water tank capacity (l)	30	30
Weight (Kg)	98	108

DIAMOND DISKS

- Laser-welded disks
- Reliability and optimised cutting speed
- 4 sizes: 300 mm, 350 mm, 450 mm and 500 mm.
- Available for fresh concrete, cured concrete or asphalt.



DIAMOND DISKS FOR FLOOR SAWS

SUITABLE FOR	FRESH CONCRETE	CURED CONCRETE	ASPHALT
350 mm	MURENA 350F	MURENA 350C	MURENA 350A
450 mm	-	MURENA 450C	MURENA 450A
500 mm	-	MURENA 500C	MURENA 500A

TABLE SAWS

	DYNO 350T TILTABLE
Max. blade size (mm)	350
Max. cutting depth (mm)	110
Max. cutting length (mm)	600
Tilteable	Yes. From 90° to 45°
Power KW - (hp)	2.2 (3)
Power supply	230V-1-50 Hz
Water pan capacity (l)	32
Total weight (kg)	69

DIAMOND DISKS FOR TABLE SAWS

	UNIV350	GRAN350	ABRA350	CERA350
Type of blade	Universal	Granite	Abrasive	Ceramic
Diameter (mm)	350	350	350	350
Suitable for	Masonry, Concrete tiles, Bricks, Sandstone Limestone	Granite, Porphyry, Paving blocks	Abrasive bricks and Stones, Sandstone	Marble, Decoration tiles

GRINDING MACHINE

	BS50E
Grinding width (mm)	500
Weight (Kg)	280
Adjustable grinding load (Kg)	80 to 200
Grinding speed (rpm)	450
Engine	Electric motor 220 or 380V -3- 50Hz or 60Hz
Power (KW)	7.5
Speed (rpm)	1 450

TOOLS FOR BS50 GRINDER





DYNAPAC EXTERNAL VIBRATORS

DYNAPAC offers one of the widest ranges of external vibrators on the market. DYNAPAC provides technical support to calculate vibrators' force required, their number and positioning.

DYNAPAC provides on-site assistance to start up the equipment

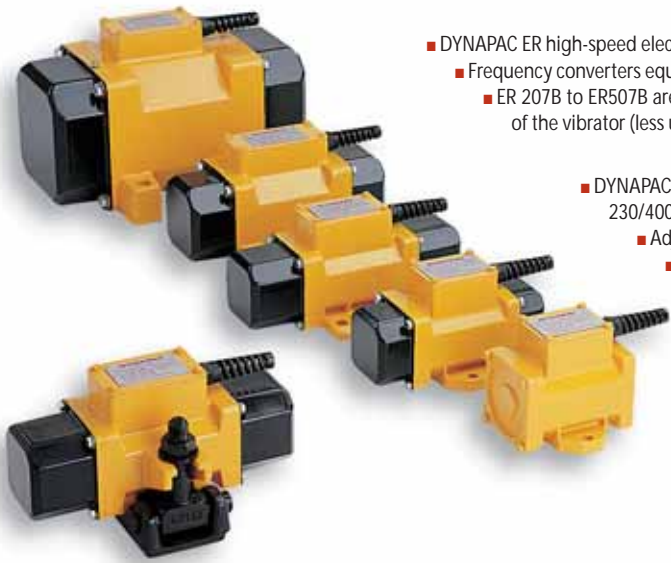
- All DYNAPAC external vibrators feature an adjustable centrifugal force
- Available in electric version (ER series) or pneumatic version (EP / EB)
- Special voltages upon request
- Quick-release bracket available for certain models

6000 rpm high-speed external vibrators (ER207B to 507B) are used for concrete jobs: formworks, pre-cast industry.

Normal and low-frequency external vibrators are mainly intended for industrial applications

- For screening bulk material
- To compact material
- To ease material flowing in hoppers
- For vibrating tables, moulds
- In transport, food and pharmaceutical industries where vibration is needed to prevent material blockage.

D Y N A P A C E X T E R



- DYNAPAC ER high-speed electric vibrators should be used together with a frequency converter (UF/UE).
- Frequency converters equipped with protected outlets are recommended for such applications
- ER 207B to ER507B are mounted with a quick-release bracket, allowing easy positioning and move of the vibrator (less units required, lower investment)

- DYNAPAC ER normal and low-frequency vibrators are supplied in standard voltage: 230/400V-3-50 Hz, but can be delivered in other voltages upon request.
- Adjustable centrifugal force
 - Most external vibrators are bolt-mounted, but ER 305, 405 and 505 can be equipped with mounting kits for easy positioning and move.



ER high-frequency vibrator together with frequency converter



Quick-release bracket



Adjustable centrifugal force

OUR TIPS

You may refer to our excellent Guide of Vibration (CB 107) telling you how to calculate the required centrifugal force and speed, and how to optimize the vibrators position.

N A L V I B R A T O R S

HIGH SPEED ELECTRIC VIBRATORS: 6000 RPM

	ER207B	ER407B	ER507B
Speed (rpm)	6000		
Max. centrifugal force (N)	6500	12000	17000
Voltage	42 V - 3 - 200 Hz*		
Intensity (A)	11	16.5	23.5
Weight (Kg)	10.5	15.5	23.2
Bracket attachment	VT2	VT4	VT4

*250 V available upon request.

NORMAL SPEED ELECTRIC VIBRATORS: 3000 RPM

	ER105	ER205	ER305	ER405	ER505	ER605	ER705
Speed (rpm)	3000						
Max. centrifugal force (N)	500	1400	3000	6000	8000	12000	16000
Standard voltage*	230/400 V - 3 - 50 Hz						
Intensity at 230/400V (A)	0.16/0.09	0.3/0.18	0.7/0.4	1.8/1.09	2.2/1.3	3.3/1.9	4.2/2.5
Weight (kg)	2.7	4.3	11	20	22	44.6	46.8

* other voltages upon request

LOW SPEED ELECTRIC VIBRATORS: 1500 RPM

	ER113S	ER123S	ER143S	ER203S	ER303S	ER403S	ER503S	ER533	ER623
Speed (rpm)	1500								
Max. centrifugal force (N)	310	780	2080	4040	7090	10990	14510	27210	38250
Standard voltage*	230/400 V - 3 - 50 Hz								
Intensity at 230/400V (A)	0.20	0.21	0.45	0.66	0.92	1.16	1.50	5.7	7.9
	0.11	0.3	0.45	0.6	0.9		1.7	3.3	4.6
Weight (kg)	4.7	5.6	10.8	24.5	34.5	40.7	51.0	85	115

* other voltages upon request

LOW SPEED ELECTRIC VIBRATORS: 1000 RPM

	ER422	ER522	ER622	ER722	ER822	ER922	ER1022	ER1122	ER1222
Speed (rpm)	1000								
Max. centrifugal force(N)	9230	18200	29000	45700	69760	85500	96710	120150	134310
Standard voltage*	230/400 V - 3 - 50 Hz								
Intensity at 230/400V (A)	2.4/1.4	3.9/2.3	7.6/4.4	8.6/5.0	18.1/10.5	24.9/14.4	25.9/15.0	29.4/17.0	29.7/17.2
Weight (kg)	57	95	138	192	274	318	400	470	485

* other voltages upon request

D Y N A P A C E X T E R



EP pneumatic vibrators

- DYNAPAC EP are high-speed pneumatic external vibrators
- Suitable for vibration of all concrete mixes on civil-engineering sites and pre-cast factories
- Quick-release bracket for easy mounting and quick move
- Trouble-free operation : the bearingless turbine is the only moving part
- Super-silent models for increased working comfort



Typical industrial application: hopper discharge using external vibrator.

- EB ball-vibrators are mainly designed for industrial applications to allow substantial savings while easing material flowing without
- Centrifugal force adjusted by the air pressure (min. 2 bars)
- No lubrication is required
- Self-starting
- Can be operated in any position
- Bolts or clamp-bracket for quick and easy mounting



EB ball vibrators

OUR TIPS

You may refer to our excellent Guide of Vibration (CB 107) telling you how to calculate the required centrifugal force and speed, and how to optimize the vibrators position.

N A L V I B R A T O R S

HIGH SPEED PNEUMATIC VIBRATORS

	EP121B	EP271B	EP371B	EP601B
Speed (rpm)	9000	9350	9350	8800
Max. centrifugal force (N)	8100	10350	26800	31500
Air consumption (l/mn)	1200	1200	1400	1400
Weight (Kg)	9.5	10	16.5	18
Bracket attachment	VT2	VT2	VT4	VT4



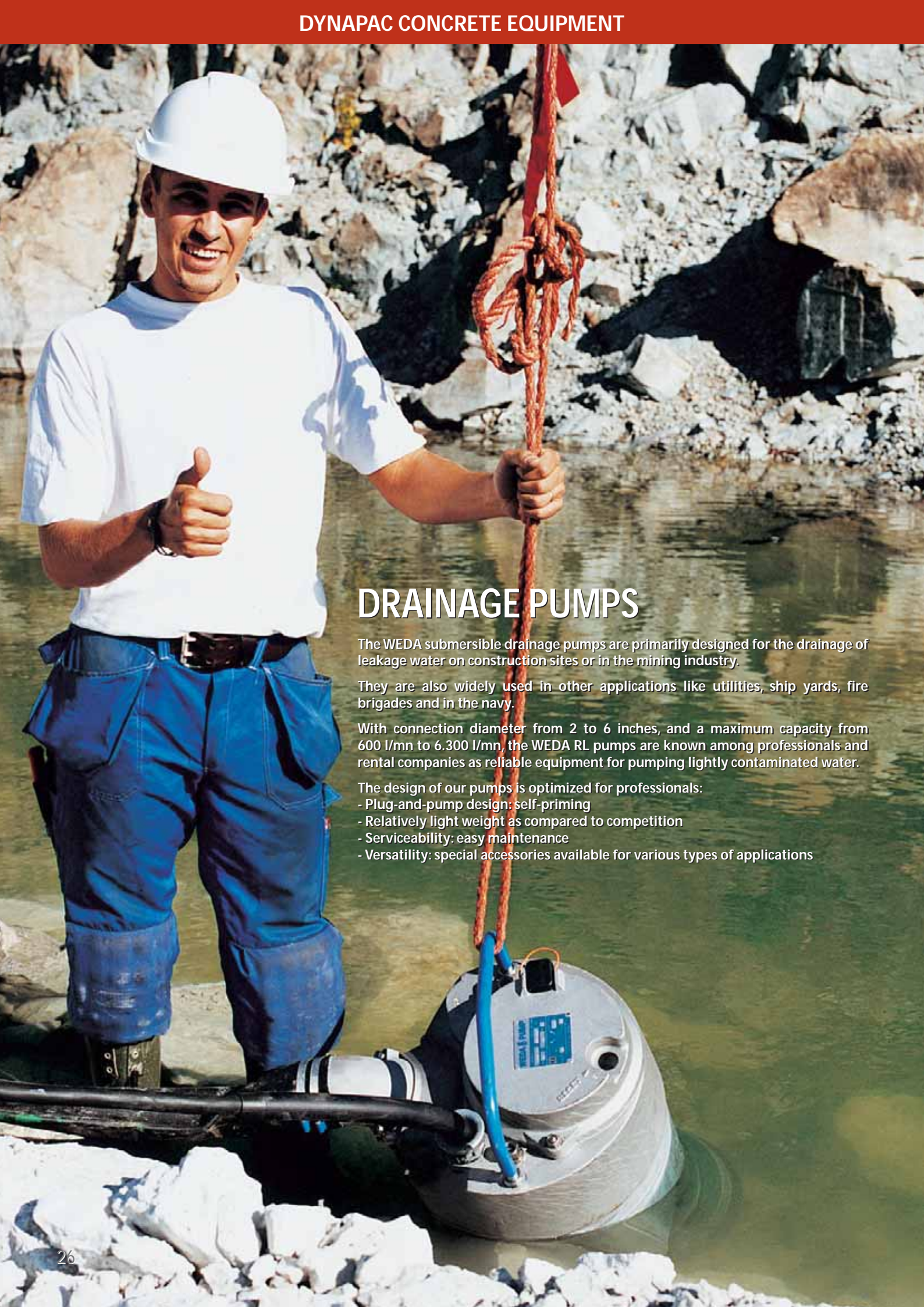
EP vibrators : bearingless turbine, lamella principle

EB BALL VIBRATORS

	EB10	EB13	EB19	EB25	EB35	EB41
At 2 bar - 29 PSI						
Frequency (rpm)	20 000	16 000	11 000	10 000	7 600	5 000
Centrifugal force (N)	228	303	1 232	1 628	2 596	2 332
Air consumption (l/mn)	112	112	196	280	392	420
At 4 bar - 60 PSI						
Frequency (rpm)	22 000	18 000	13 000	11 000	8 200	6 500
Centrifugal force (N)	273	383	1 716	1 980	3 080	4 004
Air consumption (l/mn)	168	168	308	392	504	560
At 6 bar - 80 PSI						
Frequency (rpm)	-	-	14 000	11 900	8 800	7 000
Centrifugal force (N)	-	-	1 980	2 376	3 564	4 620
Air consumption (l/mn)	-	-	420	504	616	728



Cut-through EB ball vibrator.



DRAINAGE PUMPS

The WEDA submersible drainage pumps are primarily designed for the drainage of leakage water on construction sites or in the mining industry.

They are also widely used in other applications like utilities, ship yards, fire brigades and in the navy.

With connection diameter from 2 to 6 inches, and a maximum capacity from 600 l/mn to 6.300 l/mn, the WEDA RL pumps are known among professionals and rental companies as reliable equipment for pumping lightly contaminated water.

The design of our pumps is optimized for professionals:

- Plug-and-pump design: self-priming
- Relatively light weight as compared to competition
- Serviceability: easy maintenance
- Versatility: special accessories available for various types of applications

WEDA PUMP

RL: THE DYNAPAC RANGE OF SUBMERSIBLE PUMPS.
WHENEVER WATER IS A KEY FACTOR ON THE JOB SITE!
ALSO WIDELY USED FOR IRRIGATION PROJECTS AND FLOODS.

- Submersible pumps with max. capacity from 600 to 6300 l/mn, total head: from 15.1 to 45 m
- Plug-and-Pump design
- Control level by automatic float switch or NVB electronic device, upon request
- Safe and reliable
- Long and trouble-free operation life



ELECTRIC SUBMERSIBLE PUMPS							
	RL2010	RL2030	RL4140	RL4150	RL4060	RL6070	RL6090
Connection diameter	2	3 or 4	3 or 4	4 or 3	4 or 3	6 or 4	6 or 4
BSP thread in - (mm)	(50)	(80 or 100)	(80 or 100)	(100 or 80)	(100 or 80)	(150 or 100)	(150 or 100)
Max. total head (m)	15.1	14.5	20.5	14	30	35	45
Max. capacity l/mn	600	1500	1610	2700	3400	4700	6300
m ³ /h	36	90	96	162	204	282	378
Optional control level	Float switch			NVB electronic level control			
Weight (Kg)	12.5	20	25	55 or 63	55 or 63	95	180

OUR TIPS

- When considering the total head of a pump, please keep in mind that hose diameter, length and any bend create losses.
- If pumping salt water, RL pumps should be equipped with a special protection (zinc anodes or epoxy painting).

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DYNAPAC

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