

# POMONA

## Selfpriming drainage pumps

- Centrifugal pumps, selfpriming and insensitive to impurities.
- Suction lift up to 8 m. No foot valve required.
- Universal use with electric or internal combustion engines; mounted on carrying frame, base frame or carriage.
- Special motors and V-belt drive possible for bearing-pedestal type pump.



Type 32 R with diesel engine mounted on carriage



Type 23 R with three-phase a.c. motor on carrying frame



Type 07, 23 R, 32 R and 42 R with bearing pedestal and bare shaft end

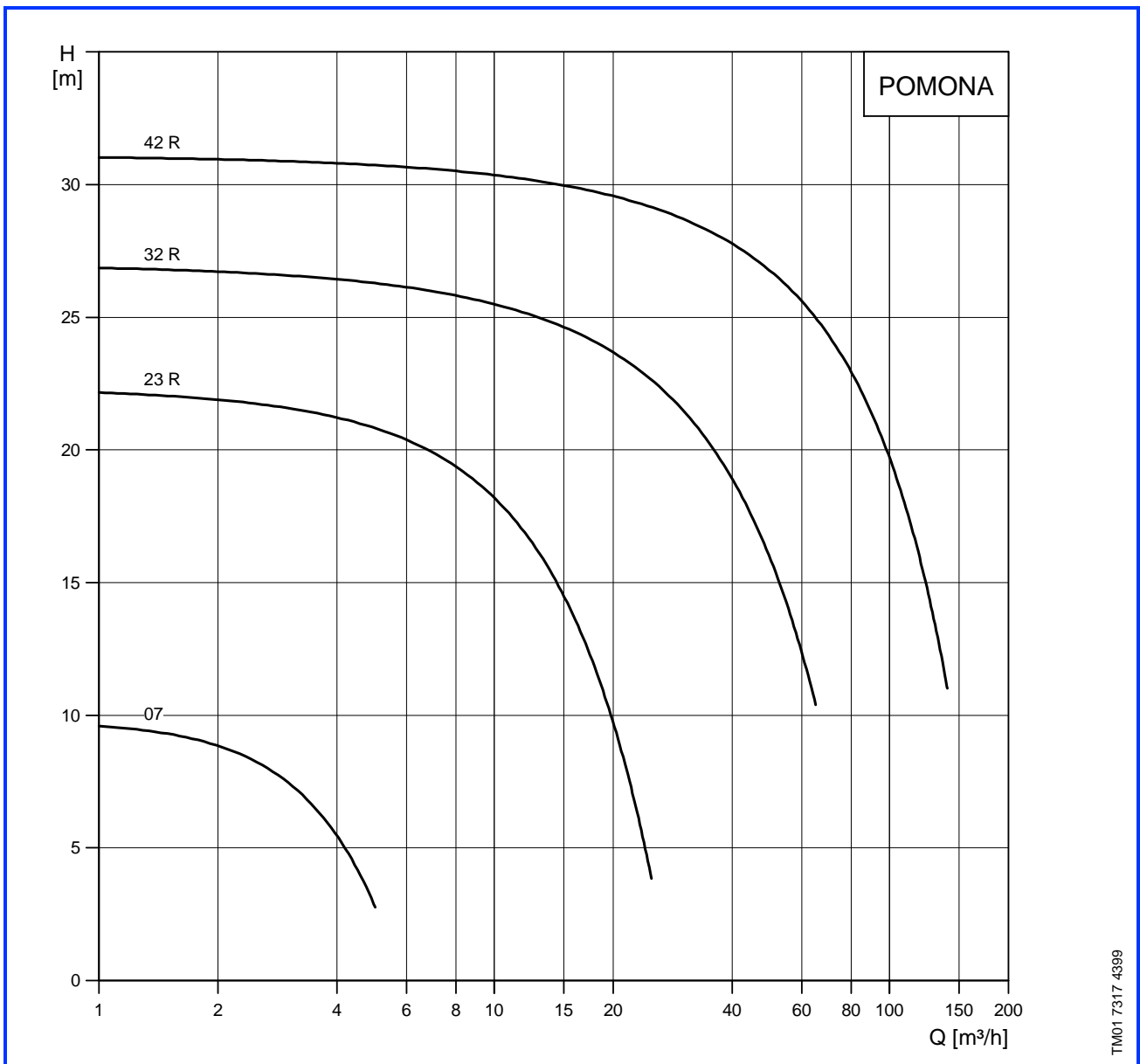


Type 32 R with diesel engine on base frame

TM00 0433 3092 - TM00 0434 3092 - TM00 0435 3092 - TM00 0436 3092

**GRUNDFOS**





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### Applications

The POMONA are true universal pumps because they are selfpriming and insensitive to impurities. Depending on the size, they can be used as portable units, mounted on a two-wheel carriage or stationary.

For draining of excavations,  
for lowering subsoil water levels,  
for irrigation of gardens and parks,  
for water supply for agriculture and horticulture,  
for injection of well tubes,  
for pumping fuel oils and gasoils,  
for emergency service in case of inundations, as fire fighting, stripping and deck wash pump for shipping, on yachts and motor boats (conditionally seawaterproof with impeller of special bronze).

Special version upon request.

### Pumped liquids

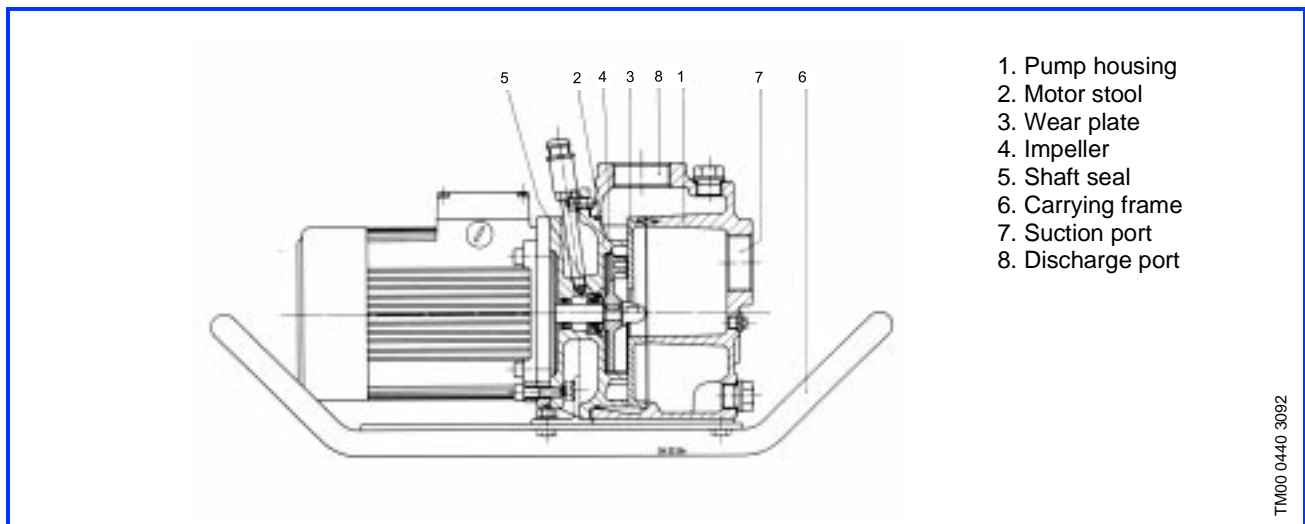
POMONA are insensitive to impurities, such as mud, dirt or sand. Without danger of clogging, solids in the water can be pumped up to a grain size of:

POMONA 07: 3 mm      POMONA 32 R: 20 mm  
POMONA 42 R: 30 mm      POMONA 23 R: 10 mm

### Operating conditions

Capacities: up to 130 m<sup>3</sup>/h.  
Heads: up to 49 m.  
Suction lift: up to 8 m manometric.  
Fuel oil: up to 6.5 m.  
POMONA 07: max. 5 m manometric,  
(2,950 RPM) no prime loss.  
Temperature: max. 100°C.  
POMONA 07: max. 60°C.  
Casing pressure: max. 6 bars (casing pressure = positive suction head + pump head against colsed discharge valve).

### Sectional drawing



1. Pump housing
2. Motor stool
3. Wear plate
4. Impeller
5. Shaft seal
6. Carrying frame
7. Suction port
8. Discharge port

TM00 0440 3092

### Pump

POMONA can be supplied with electric motors or internal combustion engines. Pump and driver form a robust and compact close-coupled unit with small overall dimensions. The pump has no valves nor non-return flaps; a reliable mechanical seal is used as shaft seal. The pump requires no maintenance. Priming of suction hose is not necessary and a foot valve can be dispensed with.

For use with drivers of other makes or designs, for belt drive or drive from a tractor power take-off etc. the POMONA are selfpriming, need not be reprimed after first start-up and prime fast without foot valve.

The pumps have tapped suction and discharge connections:

POMONA 07: 3/4"      POMONA 32 R: 3"  
POMONA 42 R: 4"      POMONA 23 R: 2"

### Materials

Pump components	Materials
Pump housing, motor stool	GG 25 cast iron
Wear plate, bearing pedestal	GG 25 cast iron
Screw plugs	Stainless steel
Impeller	GG 25 cast iron or G-CuSn10

Special version upon request: POMONA for pumping petrol and benzol, POMONA 42 L with diesel engine mounted on bedplate. POMONA with bearing pedestal mounted on bedplate with explosion-proof motors or other POMONA in special version upon request.

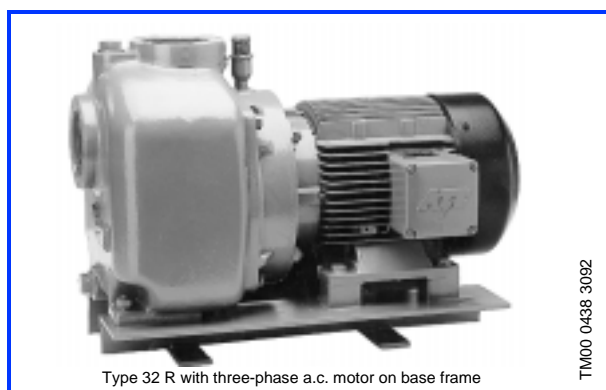
### Motor

POMONA are supplied with three-phase a.c. motors or with 4-stroke petrol engines or 4-stroke diesel engines.

Pump type	Min. RPM	Max. adm. RPM
POMONA 07	2,500	7,500
POMONA 23 R	2,500	4,500
POMONA 32 R	2,500	3,700
POMONA 42 R	2,500	3,000

### Range

Pump version	Product number	Driver	Dimensions l x w x h [mm]	Material of impeller
POMONA 07 with bearing pedestal and bare shaft end. Connections S + D: ¾" tapped. Weight: approx. 6 kgs.	L6126667	Required 0.25 kW for 2900 RPM Required 1.1 kW for 6000 RPM	240 x 140 x 180	GG 25
POMONA PO 07 end-suction pump with 1-phase a.c. motor, with handle, mounted on a common base, G ¾ suction and discharge connection. Weight: approx. 13 kgs.	L6126659	1-phase 230 V, 50 Hz, 0.25 kW 2900 RPM, protection IP 54	435 x 270 x 350	G-CuSn8Ni2
POMONA PO 07 end-suction pump with 3-phase a.c. motor, with handle, mounted on a common base, G ¾ suction and discharge connection. Weight: approx. 13 kgs.	L6126661	3-phase a.c. 220/380 V, 50 Hz, 0.25 kW 2900 RPM, protection IP 54	435 x 270 x 350	G-CuSn8Ni2
POMONA 23 R with 3-phase a.c. motor, mounted on carrying frame. Connections S + D: 2" tapped. Weight: approx. 35 kgs.	L6124672 L6124674	3-phase a.c. 230/400 V, 50 Hz, 1.25 kW 2900 RPM, protection IP54	670 x 280 x 300	GG 25 or G-CuSn10
POMONA PO 23 R end-suction pump with 1-phase a.c. motor, with handle, mounted on a carriage, G 2 suction and discharge connection. Weight: approx. 37 kgs.	L6124673	1-phase 230 V, 50 Hz, 1.25 kW 2900 RPM, protection IP 54	720 x 270 x 300	GG 25
POMONA 23 R with bearing pedestal and bare shaft end. Connections S + D: 2" tapped. Weight approx. 30 kgs.	L6124737 L6124710	Required 1.5 kW for 2900 RPM	420 x 230 x 270	GG 25 or G-CuSn10
POMPONA 23 R with 4-stroke Briggs & Stratton petrol engine, with recoil starter and RPM governor on carrying frame. Connections S + D: 2". Weight approx. 35 kgs.	L6124435	Petrol engine 4-stroke 2.5 kW 3600 RPM	670 x 390 x 320	GG 25
POMONA 32 R with three-phase a.c. motor, mounted on carrying frame. Connections S + D: 3". Weight approx. 92 kgs.	L6125628 L6125629	3-phase a.c. 380 V delta 50 Hz, 4.0 kW 2900 RPM, protection IP54	550 x 290 x 400	GG 25 or G-CuSn10
POMONA 32 R with three-phase a.c. motor, mounted on carriage. Connections S + D: 3". Weight approx. 110 kgs.	L6123986	3-phase a.c. 380 V delta 50 Hz, 4.0 kW 2900 RPM, protection IP54	1270 x 620 x 710	GG 25
POMONA 32 R with 4-stroke diesel engine, starting crank, automatic decompressor, oil bath air filter, on carrying frame. Connections S + D: 3". Weight approx. 115 kgs.	L6125156 L6125157	Diesel engine 4-stroke 4.4 kW 2900 RPM	900 x 400 x 570	GG 25 or G-CuSn10
POMONA 32 R with 4-stroke diesel engine, starting crank, automatic decompressor, oil bath air filter, on carriage. Connections S + D: 3". Weight approx. 133 kgs.	L6125423	Diesel engine 4-stroke 4.4 kW 2900 RPM	1270 x 620 x 720	GG 25
POMONA 32 R with bearing pedestal and bare shaft end. Connections S + D: 3". Weight approx. 45 kgs.	L6124290 L6124273	Required 4.0 kW for 2900 RPM	500 x 270 x 350	GG 25 or G-CuSn10
POMONA 42 R with bearing pedestal and bare shaft end. Connections S + D: 4". Weight approx. 60 kgs.	L6123439 L6123412	Required 11.0 kW for 2900 RPM	580 x 360 x 400	GG 25 or G-CuSn10



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Repl. V7 01 62 29 01 91	

Subject to alterations.

