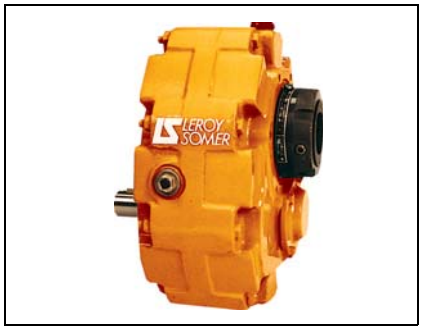
# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 2000 - Poulibloc 3000

CATEGORY 2
ZONE 21

## General information



Poulibloc 2000 geared motors with parallel gears are used to adapt the speed of the electric motor to that of the driven machine. Their size is therefore determined by the motor power ($P$) expressed in kilowatts (kW) and the output rotation speed of the gear box ($n_s$) in revolutions per minute ($min^{-1}$).
The main characteristic of the speed reducers is the rated output torque ($M_{nS}$) expressed in Newton-metres (N.m) :

$$M_{nS} = \frac{P \times 9550}{n_S} \text{ x efficiency}^{1}$$

*1. $\eta$ gearbox x $\eta$ belt-pulley.*

- A range of eight sizes for Pb 2000 series : 20, 21, 22, 23, 24, 25, 26, 27.
Rated output torque : from 100 N.m to 13 000 N.m.
Power rating : from 0.25 to 55 kW.
Reduction ratios : from 3 to 25.
From one to two reduction stages.
High efficiency : 96 % to 98 %.
Reversible.
- A range of three sizes for Pb 3000 series : 30, 31, 32, lubricated with grease.
Nominal output torque up to 820 N.m.
- A range of three sizes for Pb 3000 series : 31, 32, 33, llubricated with oil.
Rated output torque up to 1100 N.m.

Gearboxes within the Poulibloc range benefit from the ATEX **certification** : INERIS n° 03 ATEX 3005 X.

D

## Construction

### Description of Poulibloc (Pb) gearboxes - Zone 21

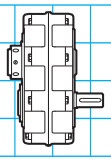
II 2D T 125 °C

| Component | Materials | Remarks |
|---|---|---|
| Housing | Cast iron | - use of FGL cast iron (flake graphite : tensile strength 150 MPa ) single component perlite to ensure the complete sealing of the unit<br>- monobloc with reinforced internal ribbing to absorb vibrations and noise, and to increase rigidity<br>- they are compact and meet industrial application-related requirements |
| Gears | Steel and C 45 | - cut by gear hob, they are heat treated by cementation, then undergo a final machining. The quality and the precision of the gear cutting allow maximum torque with minimum noise level |
| Shaft | Steel | - grinding of the sealing surfaces<br>- taper bush and tightening key<br>- diameter tolerances in accordance with IEC 72-1 (DIN 748) |
| Seals | Acrylonitrile | - anti-dust lipseals according to DIN 3760 AS form |
| Torque bracket | Steel | - can be orientated in three positions when mounting the belt tension arm<br>- delivered with Poulibloc 2000 |
| Lubrication | Oil | - in accordance with ISO 6743 / 6<br>- For Pb 2000 : delivered without oil, fill in accordance with the operating position. It is fitted with drain, level and vent plugs<br>- For Pbh 31 to Pbh 33 delivered without oil, fill in accordance with the operating position. It is fitted with drain, level and vent plugs |
| | Grease | - For Pb 30 to Pb 32 delivered lubricated for 10 000 hours operation |
| Mounting | | AP : gearbox with input shaft |
| Standard motor | | LSPX : multi-voltage 220/380 V - 230/400 V - 240/415 V<br>- IP 65 standard protection |
| Cast iron motor | | FLS PX : asynchronous motor with cast iron casing, IP 65 protection |
| Other motors | | LSMV PX : asynchronous motor optimised for variable speed |
| Finish | Paint | Shade : RAL 1007 (yellow), system I (1 polyurethane vinyl layer of 25/30 µm) |

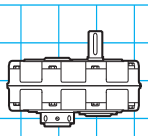
# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 2000

CATEGORY 2
ZONE 21

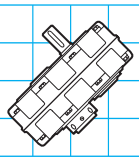
## Mounting positions



Horizontal shaft

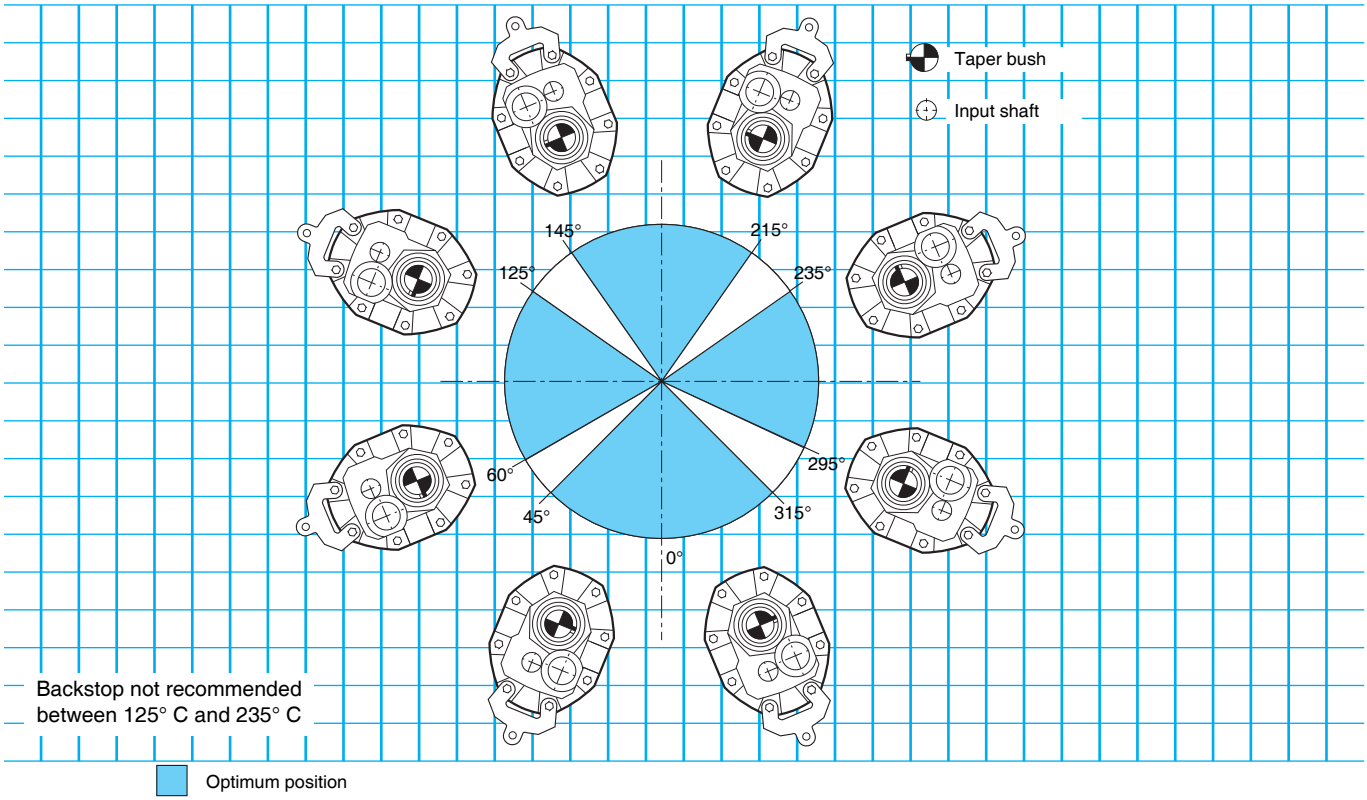


Vertical shaft

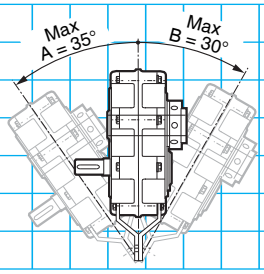


Other positions : see below

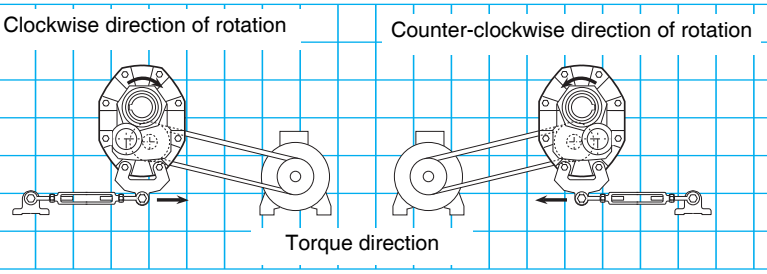
### Other positions




### Limits to mounting arrangements




### Torque arm



# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 2000

CATEGORY 2
ZONE 21

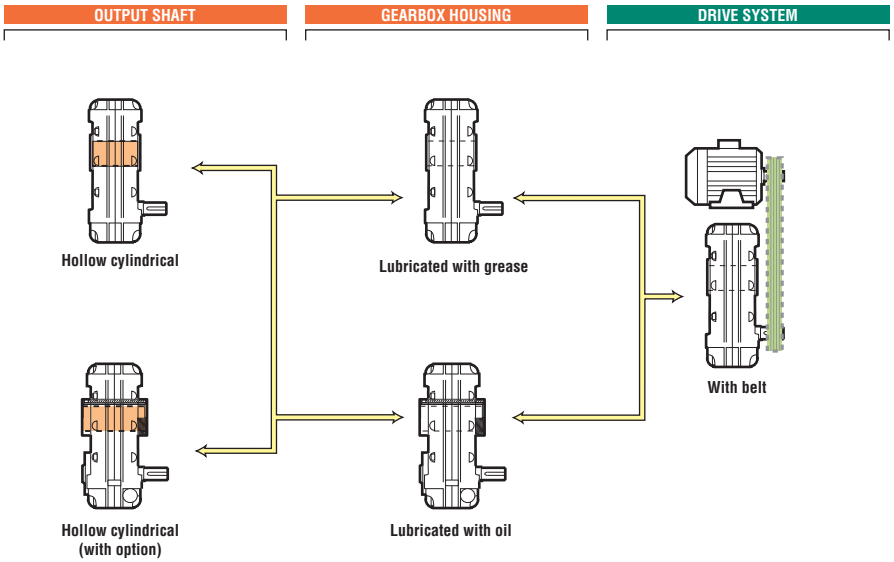
## Adaptation possibilities

Leroy-Somer offers several drives for its gearboxes which rmeet a diverse range of needs. They are described below and offered in this catalogue.
For other drives, consult Leroy-Somer technical specialists who will be pleased to assist you.

☞ *Poulibloc gearboxes can be used in conjunction with the following drives :*

- **3-phase asynchronous motors :**
  - LSPX motors from 0.18 to 55 kW,

☞ *A backstop can be fitted on Poulibloc gearboxes series Pb 2000.*
**The backstop is delivered separately in kit form for types Pb 20--, 21--, 2212, 2220, 23--, 2412, 2420, 27--.**
**It can be delivered ready fitted on types Pb 2205, 2405, 25--, 26--.**




D

## Designation / Coding

| ATEX II 2D T 125°C | Pb | 2512 | 12.44 | 80 | AD |
|---|---|---|---|---|---|
| Specific application | Type | Size | Exact reduction | Diameter of hollow output shaft or taper bush | Backstop |

☞ *Codification example :*

Poulibloc 2512, 22 kW, 112 $min^{-1}$, class II,
taper bush for zone ATEX 21

| Designation | Code |
|---|---|
| ATEX II 2D T 125°C Pb 2512 AD ∅ 80 | - |

All the products in this catalogue have a code.
The coding table is incorporated in the price list with the list of designations.
Each electromechanical product is classified first in order of power and then in order of speed.

# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 3000

CATEGORY 2
ZONE 21

## Adaptation possibilities

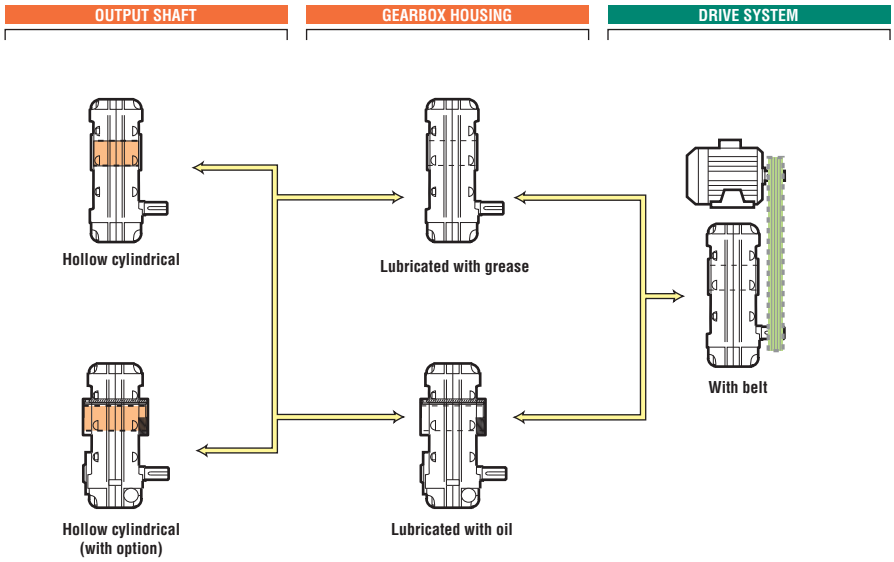
Leroy-Somer offers several drives for its gearboxes which meet a diverse range of needs. They are described below and offered in this catalogue.
For other drives, consult Leroy-Somer technical specialists who will be pleased to assist you.

D

☞ *Poulibloc 3000 can be used in conjunction with the following drives :*

• **3-phase asynchronous motors :**
- LSPX motors from 0.18 to 11 kW,

☞ *A backstop can be fitted on Poulibloc gearboxes series Pbh 3000 (lubricated with oil).*
*The backstop is delivered ready-fitted. The direction of rotation (clockwise or counter-clockwise) must be specified - side view opposite primary shaft.*




## Designation / Codification

| ATEX II 2D T 125°C | Pb | 3108 | 8 | 35 | AD |
|---|---|---|---|---|---|
| Specific application | Type | Size | Exact reduction | Hollow output shaft diameter | Backstop |

☞ *Codification example :*

Poulibloc 3108, 3 kW, 200 $min^{-1}$, class II, hollow shaft ∅ 35 for zone ATEX 21

| Designation | Code |
|---|---|
| ATEX II 2D T 125°C Pb 3108 ∅ 35 | - |

All the products in this catalogue have a code.
The coding table is incorporated in the price list with the list of designations.
Each electromechanical product is classified first in order of power and then in order of speed.

# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 3000

CATEGORY 2
ZONE 21

## Selection

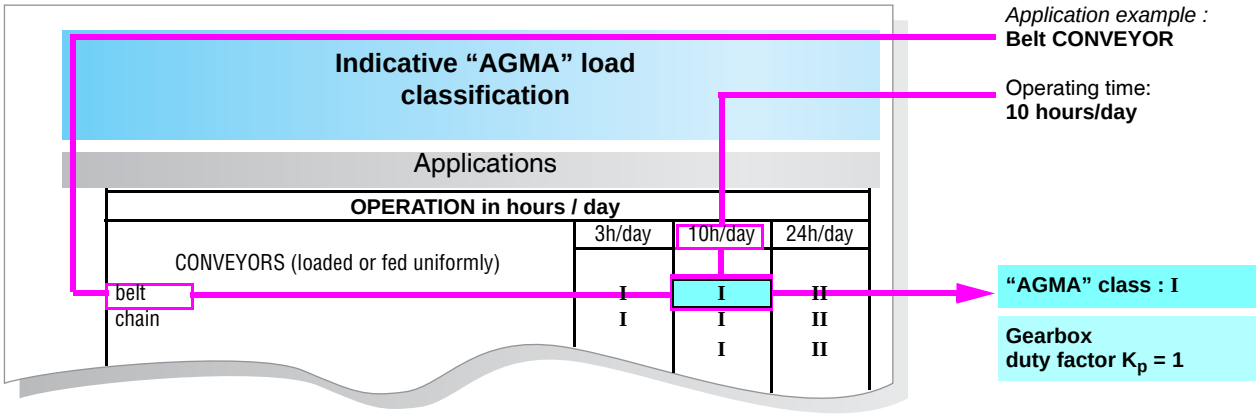
The selection of a gearbox or of a geared motor should take account of the application. Some of these applications are listed in the indicative “AGMA” load classification, page D0.10.

The opposite table summarises the relationship between the “AGMA” class and the gearbox duty factor $K_p$.

| “AGMA” class | Gearbox duty factor $K_p$ |
|---|---|
| I | 1 |
| II | 1.4 |
| III | 2 |

## *1st case.* – Your application is listed

Follow the indicative “AGMA” load classification table, page D0.10 of this catalogue.




## *2nd case.* – Your application is not listed

The “AGMA” selection class is defined by the daily operating time and by the application operating type, according to the table below.

| Type of application | Daily operating time | “AGMA” class |
|---|---|---|
| Shock-free, few starts | 10 hours / day | I |
| Damped shocks | 10 hours / day | II |
| Shock-free, few starts | 24 hours / day | |
| Violent shocks, many starts | 10 hours / day | III |
| Damped shocks | 24 hours / day | |

# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 2000 - Poulibloc 3000

CATEGORY 2
ZONE 21

## Selection

**Pb 2000, Pb 3000**
**II 2D T 125°C - ZONE 21**

| | Maximum quantity by order Pb 2000 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| i | Pb 20 | Pb 21 | Pb 22 | Pb 23 | Pb 24 | Pb 25 | Pb 26 | Pb 27 |
| 5 | 5 | 5 | 5 | 5 | 5 | | | - |
| 12 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 |
| 15 | | | | | | | | - |
| 20 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 1 |
| 25 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | - |
| NU | | | | | | | | |
| bush Ø 20 | | | | | | | | |
| bush Ø 25 | | | | | | | | |
| bush Ø 30 | | | | | | | | |
| bush Ø 35 | | | | | | | | |
| bush Ø 40 | | | | | | | | |
| bush Ø 45 | | | | | | | | |
| bush Ø 50 | | | | | | | | |
| bush Ø 55 | | | | | | | | |
| bush Ø 60 | | | | | | | | |
| bush Ø 65 | | | | | | | | |
| bush Ø 70 | | | | | | | | |
| bush Ø 75 | | | | | | | | |
| bush Ø 80 | | | | | | | | |
| bush Ø 85 | | | | | | | | |
| bush Ø 90 | | | | | | | | |
| bush Ø 95 | | | | | | | | |
| bush Ø 100 | | | | | | | | |
| bush Ø 110 | | | | | | | | |
| bush Ø 120 | | | | | | | | |
| torque arm | | | | | | | | |
| backstop | | | | | | | | |
| | Page(s) of dimensions | | | | | | | |
| Pb 20 to 27 | D5.14 | D5.14 | D5.14 | D5.14 | D5.14 | D5.14 | D5.14 | D5.15 |
| Driven shaft | D5.16 | | | | | | | |

| | Maximum quantity by order Pb 3000 | | | | | |
|---|---|---|---|---|---|---|
| i | Pb 30 | Pb 31 | Pbh 31 | Pb 32 | Pbh 32 | Pbh 33 |
| 5 | 5 | 5 | | | | |
| 8 | - | 5 | | 5 | | 5 |
| NU Ø 25 | | | | | | |
| NU Ø 30 | | | | | | |
| NU Ø 35 | | | | | | |
| NU Ø 40 | | | | | | |
| NU Ø 45 | | | | | | |
| NU Ø 50 | | | | | | |
| NU Ø 55 | | | | | | |
| NU Ø 60 | | | | | | |
| backstop | - | - | | - | | |
| | Page(s) of dimensions | | | | | |
| Pb 30 to 32 | D5.17 | | | | | |
| Pb h 31 to 33 | D5.18 | | | | | |

# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 2000 - Poulibloc 3000

CATEGORY 2
ZONE 21

## Exact reductions

**Pb 2000, Pb 3000**
**II 2D T 125°C - ZONE 21**

| VERSION WITHOUT OIL | | | | GREASE VERSION | | | | VERSION WITHOUT OIL | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Exact reductions | | | | Exact reductions | | | | Exact reductions | | |
| Type | Reduction index | Designation | Reduction | Type | Reduction index | Designation | Reduction | Type | Reduction index | Designation | Reduction |
| **Pb 20--** | 5 | Pb 2005 | 5.5 | **Pb 30--** | 5 | Pb 3005 | 5 | | | | |
| | 12 | Pb 2012 | 12.92 | | | | | | | | |
| | 15 | Pb 2015 | 15.54 | | | | | | | | |
| | 20 | Pb 2020 | 20.57 | | | | | | | | |
| | 25 | Pb 2025 | 24.75 | | | | | | | | |
| **Pb 21--** | 5 | Pb 2105 | 5.62 | **Pb 31--** | 5 | Pb 3105 | 5.08 | **Pbh 31--** | 5 | Pbh 3105 | 5.08 |
| | 12 | Pb 2112 | 11.47 | | 8 | Pb 3108 | 8 | | 8 | Pbh 3108 | 8 |
| | 15 | Pb 2115 | 14.55 | | | | | | | | |
| | 20 | Pb 2120 | 20.56 | | | | | | | | |
| | 25 | Pb 2125 | 26.07 | | | | | | | | |
| **Pb 22--** | 5 | Pb 2205 | 5.54 | | | | | | | | |
| | 12 | Pb 2212 | 11.58 | **Pb 32--** | 5 | Pb 3205 | 5.07 | **Pbh 32--** | 5 | Pbh 3205 | 5.07 |
| | 15 | Pb 2215 | 14.54 | | 8 | Pb 3208 | 7.85 | | 8 | Pbh 3208 | 7.85 |
| | 20 | Pb 2220 | 19.51 | | | | | | | | |
| | 25 | Pb 2225 | 24.49 | | | | | | | | |
| **Pb 23--** | 5 | Pb 2305 | 5.62 | | | | | **Pbh 33--** | 5 | Pbh 3305 | 4.94 |
| | 12 | Pb 2312 | 12.21 | | | | | | 8 | Pbh 3308 | 7.85 |
| | 15 | Pb 2315 | 15.24 | | | | | | | | |
| | 20 | Pb 2320 | 20.57 | | | | | | | | |
| | 25 | Pb 2325 | 25.67 | | | | | | | | |
| **Pb 24--** | 5 | Pb 2405 | 5.5 | | | | | | | | |
| | 12 | Pb 2412 | 12.28 | | | | | | | | |
| | 15 | Pb 2415 | 14.41 | | | | | | | | |
| | 20 | Pb 2420 | 20.76 | | | | | | | | |
| | 25 | Pb 2425 | 24.35 | | | | | | | | |
| **Pb 25--** | 5 | Pb 2505 | 5.69 | | | | | | | | |
| | 12 | Pb 2512 | 12.44 | | | | | | | | |
| | 15 | Pb 2515 | 14.75 | | | | | | | | |
| | 20 | Pb 2520 | 20.48 | | | | | | | | |
| | 25 | Pb 2525 | 24.29 | | | | | | | | |
| **Pb 26--** | 5 | Pb 2605 | 5.5 | | | | | | | | |
| | 12 | Pb 2612 | 12.5 | | | | | | | | |
| | 15 | Pb 2615 | 14.66 | | | | | | | | |
| | 20 | Pb 2620 | 21.09 | | | | | | | | |
| | 25 | Pb 2625 | 24.75 | | | | | | | | |
| **Pb 27--** | 12 | Pb 2712 | 12.34 | | | | | | | | |
| | 20 | Pb 2720 | 20.86 | | | | | | | | |

D

# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 2000

CATEGORY 2
ZONE 21

## AGMA I

**Pb 2000**
**II 2D T 125°C - ZONE 21**

## Pb 2000

LSPX (kW)

| min$^{-1}$ | 0.37 | 0.55 | 0.75 | 0.9 | 1.1 | 1.5 | 1.8 | 2.2 | 3 | 4 | 5.5 | 7.5 | 9 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | i : 12,15,20,25[1] | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | 2125 | | | | | | | | | | | | | | | | | |
| 11.2 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | 2720 | | | | | |
| 14 | | 2025 | | | | | 2225 | | 2325 | | 2425 | | 2525 | | 2625 | | | | | | |
| 16 | | | | | | 2125 | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | 2420 | | | | | | | | | |
| 22.5 | | | | | | | | | 2220 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | 2020 | | | | | 2120 | | | 2320 | | 2420 | | 2520 | | 2620 | | 2720 | | |
| 31.5 | | | | | | | | | | 2220 | | | | | | | | | | | |
| 35.5 | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | | |
| 56 | | | | 2015 | | | | | | 2115 | 2215 | | 2315 | | 2415 | | 2515 | | 2615 | ♦ | 2712 |
| 63 | | | | | | | | | | | | | | | | | | | | ♦ | |
| 71 | | | | | | | | | | | | | | | | | | | | ♦ | ♦ |
| 80 | | | | | | | | | | | | | | | | 2412 | ♦ | ♦ | | ♦ | ♦ |
| 90 | | | | | | | | | | | | 2212 | | | | ♦ | ♦ | ♦ | | ♦ | ♦ 2612 |
| 100 | | | | | | | | | | | | | | | 2312 | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| 112 | | | | | 2012 | | | | | | 2112 | | 2212 | | | ♦ | ♦ | ♦ 2512 | ♦ | ♦ | ♦ |
| 125 | | | | | | | | | | | | | | 2212 | | ♦ | ♦ | ♦ 2412 | ♦ | ♦ | ♦ |
| 140 | | | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| | i : 5[1] | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | 2105 | | | | | | | | | | | |
| 56 | | | | | | | | | | | | | | | | 2405 | | | | 2605 | ♦ |
| 63 | | | | | | | | | | | 2105 | | | | | | | | | | ♦ |
| 71 | | | | | | | | | | | | | 2205 | | | | | | 2505 | ♦ | ♦ |
| 80 | | | | | | | | | | | | | | | | 2305 | ♦ | | | ♦ | ♦ |
| 90 | | | | | | | | | | | | 2105 | | | | | ♦ | 2405 | | ♦ | ♦ |
| 100 | | | | | | | | | | | | | | | | | ♦ | | ♦ | ♦ | ♦ |
| 112 | | | | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ |
| 125 | | | | | | 2005 | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| 140 | | | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| 160 | | | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| 180 | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| 200 | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| 225 | | | | | | | | | | | | | | ♦ | ♦ 2105 | ♦ 2205 | ♦ | ♦ 2305 | ♦ 2405 | ♦ | ♦ 2505 |
| 250 | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| 280 | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| 315 | | | | | | | | | | | | | | ♦ | ♦ | ♦ 2105 | ♦ | ♦ | ♦ | ♦ | ♦ |
| 355 | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |

*1. :i Poulibloc selected depending on the pulley ø ratio of 1/1, 1/2 or 1/3.*

*♦ : S1, consult Leroy-Somer.*

# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 2000

CATEGORY 2
ZONE 21

## AGMA II

**Pb 2000**
**II 2D T 125°C - ZONE 21**

## Pb 2000

LSPX (kW)

| min$^{-1}$ | 0.37 | 0.55 | 0.75 | 0.9 | 1.1 | 1.5 | 1.8 | 2.2 | 3 | 4 | 5.5 | 7.5 | 9 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | i : 12,15,20,25[1] | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |
| 11.2 | | | | | | | | | 2425 | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | 2720 | | | | | | | |
| 14 | | 2025 | | 2125 | | 2225 | | 2325 | | 2425 | 2525 | | 2625 | | | | | | | | |
| 16 | | | | | | | | | | | | | | | 2720 | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | 2420 | | | | | | | | | | |
| 22.5 | | | | | | | | 2220 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | 2020 | | | | 2120 | | | 2320 | | 2420 | 2520 | | 2620 | | 2720 | | | | |
| 31.5 | | | | | | | | | | | | | | | | | | | | | |
| 35.5 | | | | | | | | | 2220 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | | |
| 56 | | | | 2015 | | | | | 2115 | 2215 | | 2315 | | 2415 | 2515 | | 2615 | | 2712 | | |
| 63 | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | 2212 | | | | 2412 | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | ♦ | |
| 100 | | | | | | | | | | | | | | | | | | | | ♦ | |
| 112 | | | | | 2012 | | | | | 2112 | | | 2312 | | | 2412 | 2512 | | 2612 | ♦ | 2712 |
| 125 | | | | | | | | | | | | 2212 | | | | | ♦ | ♦ | ♦ | ♦ | ♦ |
| 140 | | | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | ♦ | ♦ |
| | i : 5[1] | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | 2105 | | | | | 2405 | | | | | | | |
| 56 | | | | | | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | 2105 | | | 2305 | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | ♦ |
| 90 | | | | | | | | | | | 2105 | | | | | | | | | 2605 | ♦ |
| 100 | | | | | | | | | | | | | 2205 | | | | 2405 | | | | ♦ |
| 112 | | | | | | 2005 | | | | | | | | | | | | | | | ♦ |
| 125 | | | | | | | | | | | | | | | | | | | | | ♦ |
| 140 | | | | | | | | | | | | | | | | | | | | | ♦ |
| 160 | | | | | | | | | | | | | | | | | | | 2505 | ♦ | ♦ |
| 180 | | | | | | | | | | | | | 2105 | | | 2305 | | | | ♦ | ♦ |
| 200 | | | | | | | | | | | | | | | | | ♦ | | | ♦ | ♦ |
| 225 | | | | | | | | | | | | | | | | ♦ | ♦ | | | ♦ | ♦ |
| 250 | | | | | | | | | | | | | | | | ♦ | ♦ | 2405 | | ♦ | ♦ |
| 280 | | | | | | | | | | | | | | ♦ | | ♦ | ♦ | | | ♦ | ♦ |
| 315 | | | | | | | | | | | | | | ♦ | 2105 ♦ | ♦ | ♦ | | | ♦ | ♦ |
| 355 | | | | | | | | | | | | | | ♦ | ♦ | ♦ | ♦ | | | ♦ | ♦ |

*1. :i Poulibloc selected depending on the pulley ø ratio of 1/1, 1/2 or 1/3.*

*♦ : S1, consult Leroy-Somer.*

# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 2000

CATEGORY 2
ZONE 21

## AGMA III

**Pb 2000**
**II 2D T 125°C - ZONE 21**

## Pb 2000

LSPX (kW)

| min$^{-1}$ | 0.37 | 0.55 | 0.75 | 0.9 | 1.1 | 1.5 | 1.8 | 2.2 | 3 | 4 | 5.5 | 7.5 | 9 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | i : 12,15,20,25[1] | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | 2720 | | | | | | | | | |
| 11.2 | | 2125 | | | | | | 2425 | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 14 | 2025 | | 2125 | 2225 | | | 2325 | | | 2525 | | 2625 | 2720 | | | | | | | | |
| 16 | | | | | | | | | 2425 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | 2420 | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | |
| 28 | | 2020 | | | 2120 | | 2220 | | 2320 | | | 2520 | | 2620 | | 2720 | | | | | |
| 31.5 | | | | | | | | | | | 2420 | | | | | | | | | | |
| 35.5 | | | | | | | | 2220 | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | | |
| 56 | | | 2015 | | | | 2115 | | 2215 | | 2315 | 2415 | | 2515 | | 2615 | | | | | |
| 63 | | | | | | | | | | | | | 2415 | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | 2712 | | |
| 100 | | | | | | | | | | 2212 | | | | 2412 | | | | | | | |
| 112 | | | | 2012 | | | | | 2112 | | | 2312 | | | | 2512 | | 2612 | | | |
| 125 | | | | | | | | | | | 2212 | | | | 2412 | | | | ♦ | 2712 | |
| 140 | | | | | | | | | | | | | | | | | | | ♦ | | |
| | i : 5[1] | | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | | | |
| 56 | | | | | | | | 2105 | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | 2405 | | | | | | | | |
| 71 | | | | | | | | | 2105 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | 2405 | | | | | | |
| 90 | | | | | | | | | | 2105 | | | 2305 | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | 2605 | | |
| 112 | | | | | | | | | | | | | | | | | 2505 | | | | |
| 125 | | | | | 2005 | | | | | | | 2205 | | | | | | | | | |
| 140 | | | | | | | | | | | 2105 | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | 2405 | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | 2105 | | 2305 | | | | | | |
| 280 | | | | | | | | | | | | | | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | | | | | | |
| 355 | | | | | | | | | | | | | | | | | | | | | |

*1. :i Poulibloc selected depending on the pulley ø ratio of 1/1, 1/2 or 1/3.*

*♦ : S1, consult Leroy-Somer.*

# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 3000

CATEGORY 2
ZONE 21

## AGMA I

**Pb 3000, Pbh 3000**
**II 2D T 125°C - ZONE 21**

## Pb 3000 - Pbh 3000

| | LSPX (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.37 | 0.55 | 0.75 | 0.9 | 1.1 | 1.5 | 1.8 | 2.2 | 3 | 4 | 5.5 | 7.5 | 9 | 11 |
| $min^{-1}$ | i : 5 and 8[1] | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | |
| 35.5 | | | | | | | | 3208 | | | | | | |
| 40 | | | | | 3108 | | | | | | | | | |
| 45 | | 3006 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | 3308 | | | |
| 60 | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | 3206 | | 3306 | | |
| 90 | | | | | | | | 3106 | | | | | | |
| 100 | | | | 3005 | | | | | | | | | | |
| 120 | | | | | | | | | | | | | 3305 | |
| 135 | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | 3205 | | 3304 |
| 200 | | | | | | | | | | | 3105 | | | |
| 250 | | | | | | 3004 | | | | | | | | |
| 270 | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | | | 3204 |
| 375 | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | 3104 |
| 600 | | | | | | | | 3003 | | | | | | |
| 750 | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | 3002 | | |

*1. :i Poulibloc selected depending on the pulley ø ratio.*

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# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 3000

CATEGORY 2
ZONE 21

## AGMA II

**Pb 3000, Pbh 3000**
**II 2D T 125°C - ZONE 21**

## Pb 3000 - Pbh 3000

| | LSPX (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.37 | 0.55 | 0.75 | 0.9 | 1.1 | 1.5 | 1.8 | 2.2 | 3 | 4 | 5.5 | 7.5 | 9 | 11 |
| $min^{-1}$ | i : 5 and 8[1] | | | | | | | | | | | | | |
| 30 | | | 3108 | | | 3208 | | | | | | | | |
| 35.5 | 3006 | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | 3308 | | | | |
| 60 | | | | | 3106 | | | | | | | | | |
| 70 | | | | | | | | 3206 | | | | | | |
| 80 | | | 3005 | | | | | | | | | | | |
| 90 | | | | | | | | | | | | 3306 | | |
| 100 | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | |
| 135 | | | | | | | | 3105 | | | 3205 | | | |
| 150 | | | | | 3004 | | | | | | | | 3305 | |
| 180 | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | |
| 250 | | | | | | | | | | | | | | |
| 270 | | | | | | | | | | | | | | 3304 |
| 300 | | | | | | | 3003 | | | 3104 | | | | |
| 350 | | | | | | | | | | | | | 3204 | |
| 375 | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | |
| 750 | | | | | | | | | 3002 | | | | | |
| 1000 | | | | | | | | | | | | | | |

*1. :i Poulibloc selected depending on the pulley ø ratio.*

# Electromechanical products
# Atmospheres containing explosive dust
# Poulibloc 3000

CATEGORY 2
ZONE 21

## AGMA III

**Pb 3000, Pbh 3000**
**II 2D T 125°C - ZONE 21**

## Pb 3000 - Pbh 3000

| | LSPX (kW) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.37 | 0.55 | 0.75 | 0.9 | 1.1 | 1.5 | 1.8 | 2.2 | 3 | 4 | 5.5 | 7.5 | 9 | 11 |
| $min^{-1}$ | i : 5 and 8[1] | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | |
| 35.5 | | | | 3208 | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | |
| 45 | | | 3108 | | | | | | | | | | | |
| 50 | 3006 | | | | | | | | | | | | | |
| 60 | | | | | | | | | | 3308 | | | | |
| 70 | | | | | | | 3206 | | | | | | | |
| 80 | | | | | 3106 | | | | | | | | | |
| 90 | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | |
| 120 | | | 3005 | | | | | | | | | 3306 | | |
| 135 | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | 3205 | | | | |
| 180 | | | | | | | | 3105 | | | | | | |
| 200 | | | | | | | | | | | | | | |
| 250 | | | | | 3004 | | | | | | | | 3305 | |
| 270 | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | |
| 350 | | | | | | | | | | | | 3204 | | |
| 375 | | | | | | | | | | 3104 | | | | |
| 500 | | | | | | | 3003 | | | | | | | 3304 |
| 600 | | | | | | | | | | | | | | |
| 750 | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | 3002 | | | | |

*1. :i Poulibloc selected depending on the pulley ø ratio.*

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