

**ELECTROBOMBA MONOBLOC IN-LINE Acero Inox. AISI 304**  
**IN-LINE CENTRIFUGAL PUMPS in AISI 304**

**LPS**

**Electrobomba monobloc In-Line construida en Acero Inoxidable AISI 304**

**LPS**

**In-Line centrifugal pumps made of Stainless Steel AISI 304**



**IE2**

**DESCRIPCIÓN**

Electrobomba centrífuga In-Line para Calefacción, Agua Caliente Sanitaria y Aire Acondicionado. Adecuada en sistemas de calefacción domésticos e Industriales, circulación de agua caliente sanitaria, sistemas de calefacción y refrigeración, vehiculación de líquidos a baja presión.

**DESCRIPTION**

*In-Line centrifugal pumps made of stainless steel AISI 304. Applications include chilled water, air-conditioning systems and heating systems for secondary hot water and general low-pressure applications in industry.*

**PRESTACIONES**

- Máxima presión de aspiración positiva:
 

|              |       |        |
|--------------|-------|--------|
|              | Trif. | Monof. |
| 25 LPS       | 2 bar | 2 bar  |
| 32-40-50 LPS | 4 bar | 2 bar  |
- Temperatura del líquido vehiculado: -10°C/+100°C

**SPECIFICATIONS**

- *Maximum positive suction pressure:*

|              |       |       |
|--------------|-------|-------|
|              | 3~    | 1~    |
| 25 LPS       | 2 bar | 2 bar |
| 32-40-50 LPS | 4 bar | 2 bar |
- *Maximum liquid temperature: 100°C*

**MATERIALES**

- Cuerpo de impulsión e impulsor: Ac. Inox. AISI 304
- Eje motor: Ac. Inoxidable AISI 303
- Carcasa de motor: Aluminio
- Cierre mecánico: carbón/cerámica/NBR

**MATERIALS**

- *Pump casing, impeller, casing cover in AISI 304*
- *Shaft in AISI 303*
- *Bracket and motor casing in aluminium*
- *Mechanical seal in carbon / ceramic / NBR*

**DATOS TÉCNICOS**

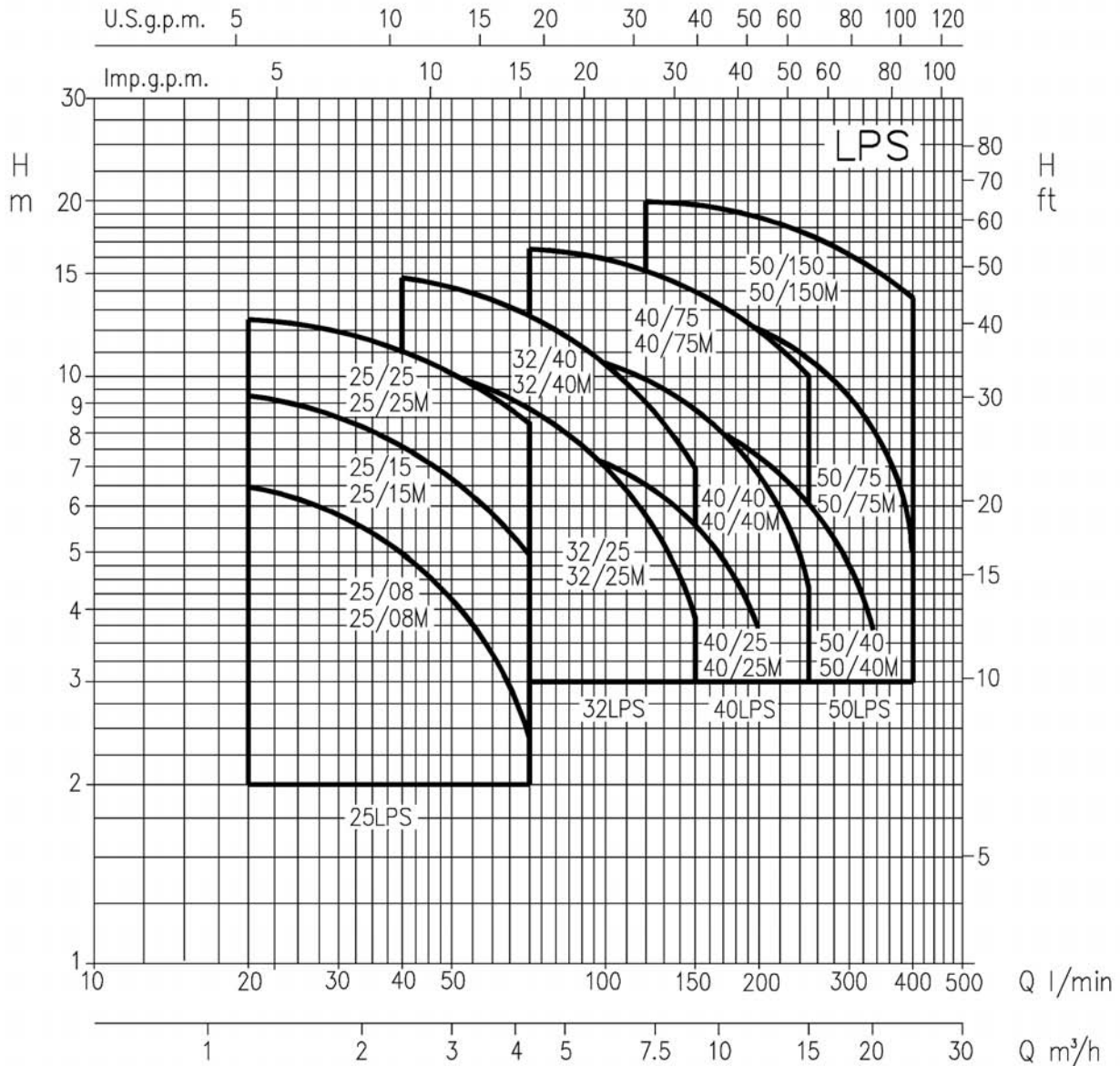
- Motor trifásico eficiencia **IE2** a partir de 0,75 kW
- Motor asíncrono, 2 polos
- Aislamiento Clase F
- Protección IP55
- Monofásica 230V ± 10% 50 Hz
- Trifásica 400V ± 10% 50 Hz
- Condensador y protección termoamperimétrica de rearme automático incorporados (monofásica)
- Bridas de asp./imp.: PN 10

**TECHNICAL DATA**

- *IE2 energy-efficient three phase motor from 0,75 kW to above*
- *Asynchronous 2 poles motor*
- *Insulation class F*
- *Protection degree IP55*
- *1~230V ± 10% 50 Hz - 3~400V ± 10% 50 Hz*
- *Permanent split capacitor and automatic thermal overload protection for single-phase version.*
- *Thermal protection to be provided by the user for three-phase version.*
- *Flange: PN 10*

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**CAMPO DE TRABAJO / SELECTION CHART** (ISO 9906 / 2)



**TABLA DE CARACTERÍSTICAS - PERFORMANCE TABLE**

| Modelo / Type   |                     | kW   | CV  | Condensador Capacitor |                | Intensidad absorbida (A) Absorbed Current (A) |      |            | l/min<br>m³/h                                     | Q=Caudal / Capacity |      |      |      |      |      |      |     |     |     |  |
|-----------------|---------------------|------|-----|-----------------------|----------------|---|------|------------|---|---------------------|------|------|------|------|------|------|-----|-----|-----|--|
| 1~<br>230V 50Hz | 3~<br>230/400V 50Hz |      |     | µF                    | V <sub>c</sub> | 1~  | 230V | 3~<br>400V |   | 20                  | 40   | 70   | 100  | 120  | 150  | 200  | 250 | 320 | 400 |  |
|                 |                     |      |     |                       |                |   |      |            | H=Altura manométrica total en m / Total head in m |                     |      |      |      |      |      |      |     |     |     |  |
| LPS 25/08 M     | LPS 25/08           | 0,08 | 0,1 | 12,5                  | 450            | 1,51  | 1,7  | 1,01       | 6,5   | 5                   | 2,4  | -    | -    | -    | -    | -    | -   |     |     |  |
| LPS 25/15 M     | LPS 25/15           | 0,15 | 0,2 | 12,5                  | 450            | 1,67  | 1,8  | 1,03       | 9,3   | 7,8                 | 4,9  | -    | -    | -    | -    | -    | -   |     |     |  |
| LPS 25/25 M     | LPS 25/25           | 0,25 | 0,3 | 12,5                  | 450            | 2,04  | 1,9  | 1,11       | 12,5  | 11,1                | 8,4  | -    | -    | -    | -    | -    | -   |     |     |  |
| LPS 32/25 M     | LPS 32/25           | 0,25 | 0,3 | 12,5                  | 450            | 2,0   | 1,8  | 1,03       | -   | 10,7                | 9,1  | 7,2  | 5,9  | 3,9  | -    | -    | -   |     |     |  |
| LPS 32/40 M     | LPS 32/40           | 0,4  | 0,5 | 12,5                  | 450            | 2,74  | 2,2  | 1,25       | -   | 14,5                | 12,7 | 10,6 | 9,2  | 7    | -    | -    | -   |     |     |  |
| LPS 40/25 M     | LPS 40/25           | 0,25 | 0,3 | 12,5                  | 450            | 1,98  | 1,9  | 1,09       | -   | -                   | 7,8  | 7,1  | 6,6  | 5,6  | 3,7  | -    | -   |     |     |  |
| LPS 40/40 M     | LPS 40/40           | 0,4  | 0,5 | 12,5                  | 450            | 2,75  | 2,2  | 1,25       | -   | -                   | 11,3 | 10,4 | 9,9  | 8,7  | 6,9  | 4,4  | -   |     |     |  |
| LPS 40/75 M     | LPS 40/75           | 0,75 | 1   | 25                    | 450            | 4,86  | 4,0  | 2,29       | -   | -                   | 16,6 | 16   | 15,2 | 14,1 | 12,3 | 10,1 | -   |     |     |  |
| LPS 50/40 M     | LPS 50/40           | 0,4  | 0,5 | 12,5                  | 450            | 2,74  | 2,2  | 1,25       | -   | -                   | -    | -    | 9,1  | 8,8  | 7,4  | 5,9  | 3,5 |     |     |  |
| LPS 50/75 M     | LPS 50/75           | 0,75 | 1   | 25                    | 450            | 4,9   | 3,9  | 2,26       | -   | -                   | -    | -    | 13,8 | 13,3 | 12,3 | 10,7 | 8,2 |     |     |  |
| LPS 50/150 M    | LPS 50/150          | 1,5  | 2   | 35                    | 450            | 8,07  | 5,7  | 3,31       | -   | -                   | -    | -    | 19,8 | 19,3 | 18,7 | 17,8 | 16  |     |     |  |



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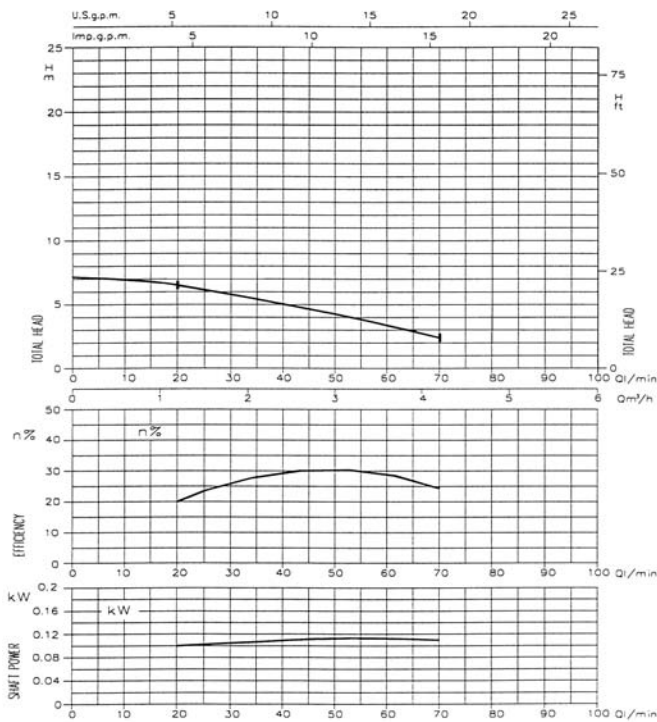
LPS

Calefacción, A.A., Refrigeración & A.C.S. / HVAC & Sanitary hot water

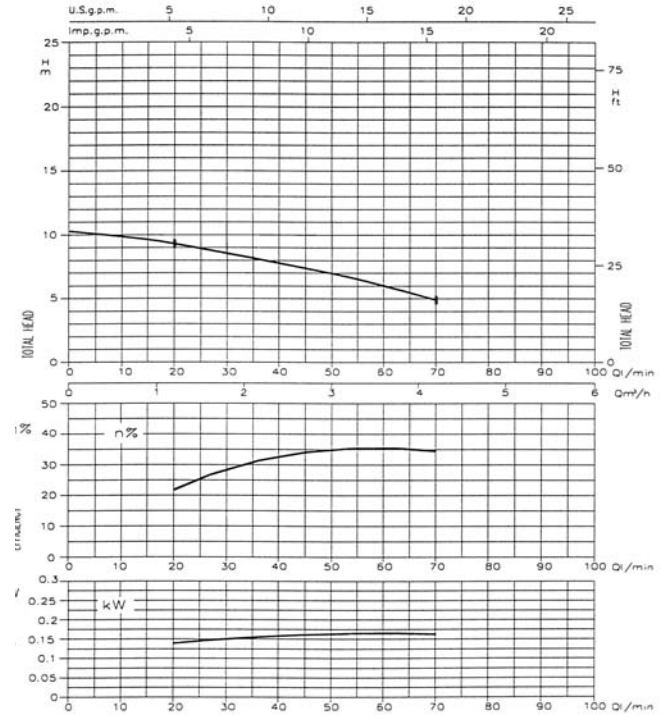
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## CURVAS DE CARACTERÍSTICAS / PERFORMANCE CURVES (ISO 9906 / 2)

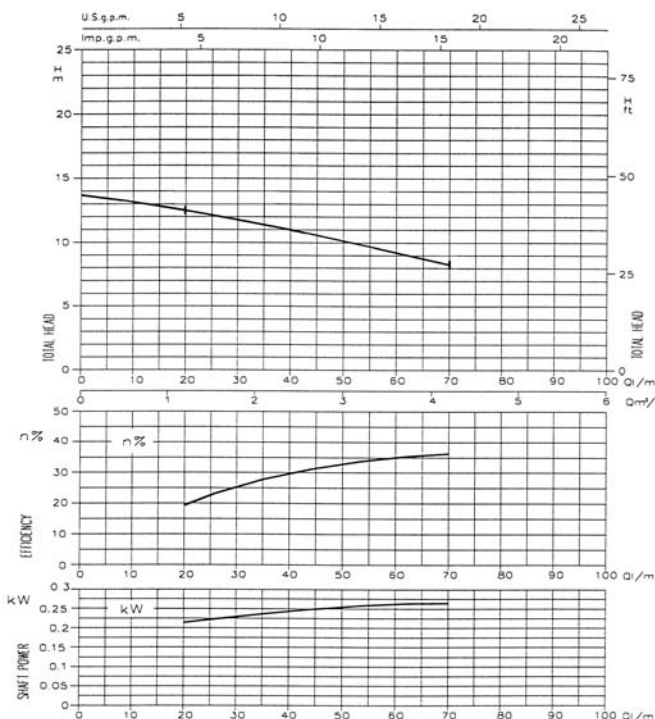
### LPS 25/08



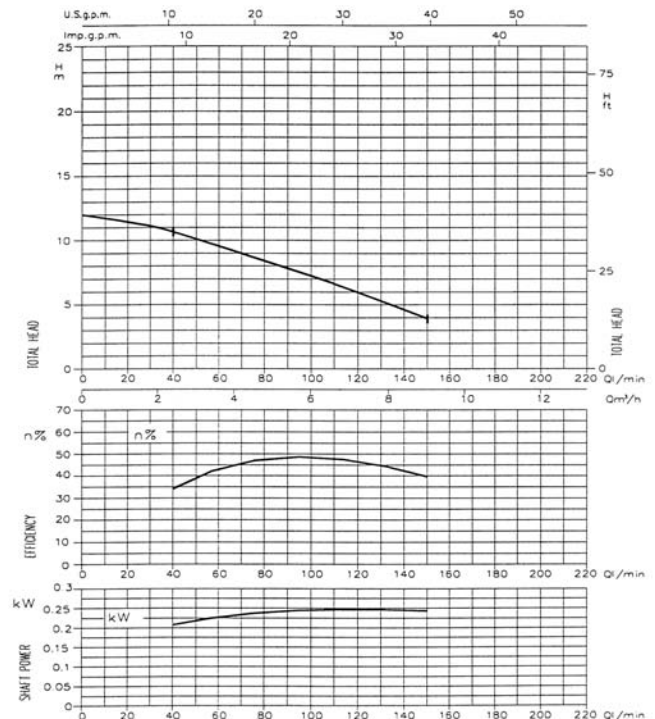
### LPS 25/15



### LPS 25/25



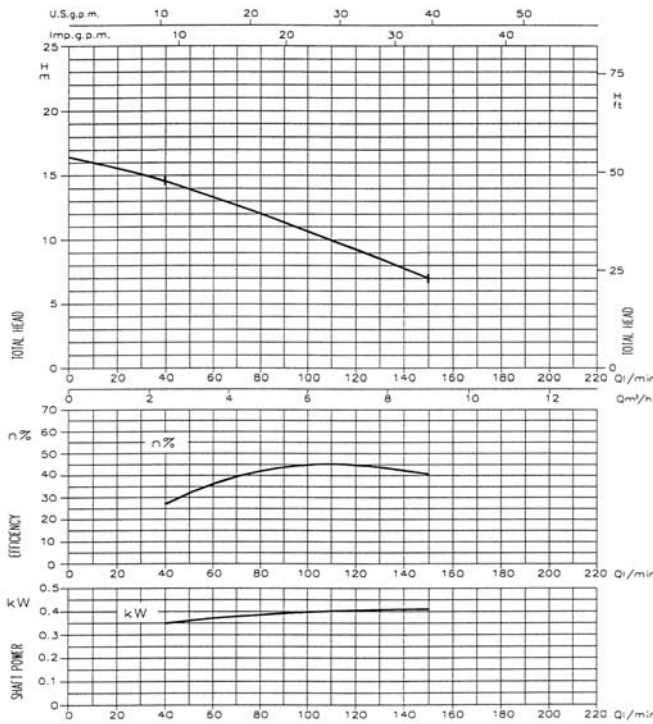
### LPS 32/25



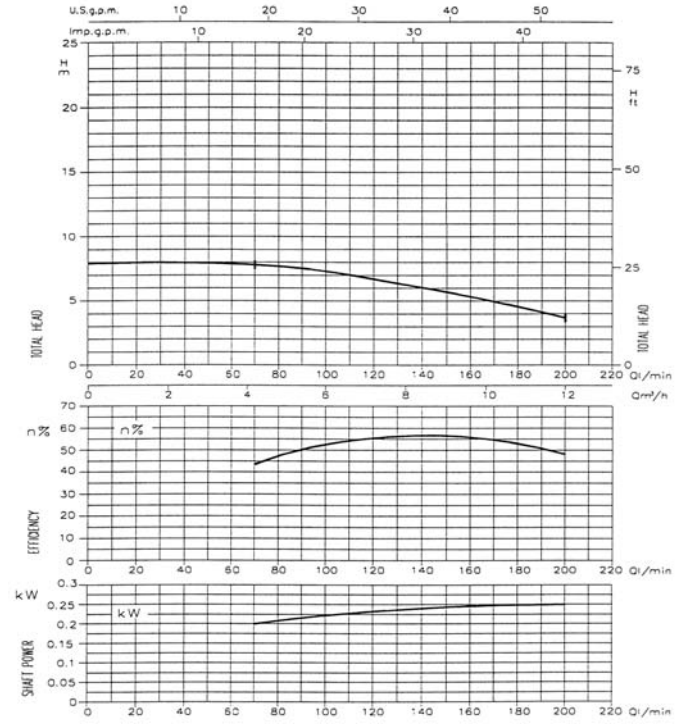


**CURVAS DE CARACTERÍSTICAS / PERFORMANCE CURVES (ISO 9906 / 2)**

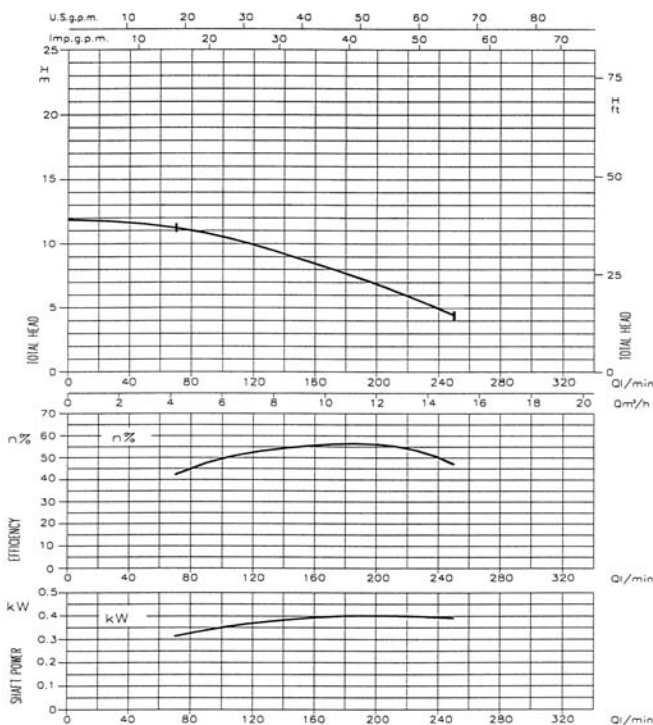
**LPS 32/40**



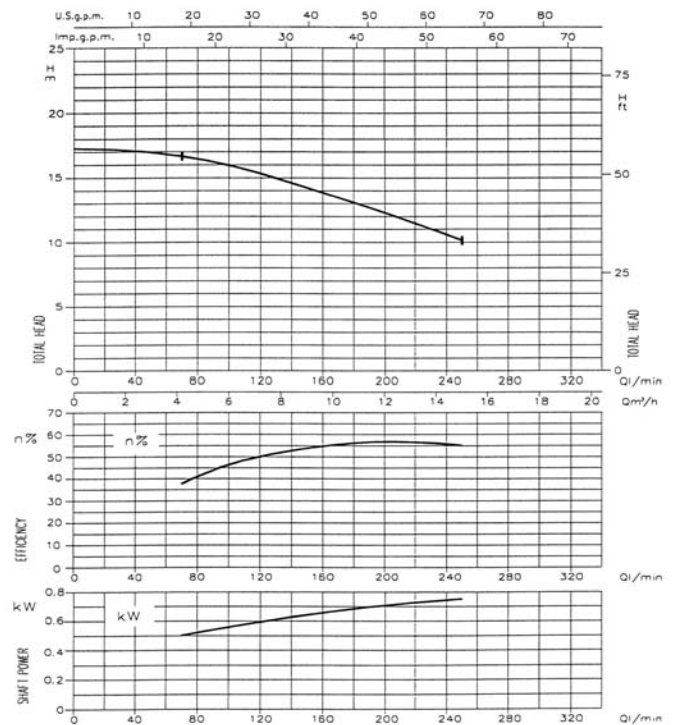
**LPS 40/25**



**LPS 40/40**



**LPS 40/75**





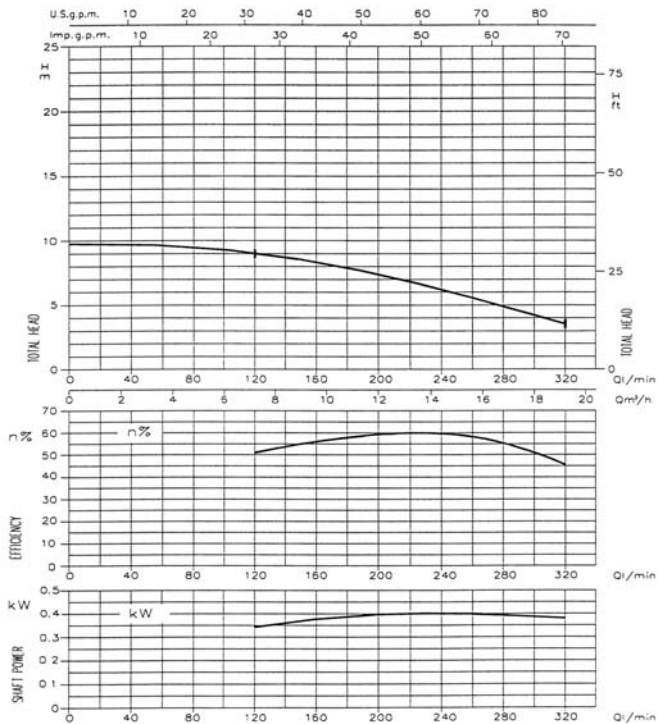
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**LPS** Calefacción, A.A., Refrigeración & A.C.S. / HVAC & Sanitary hot water

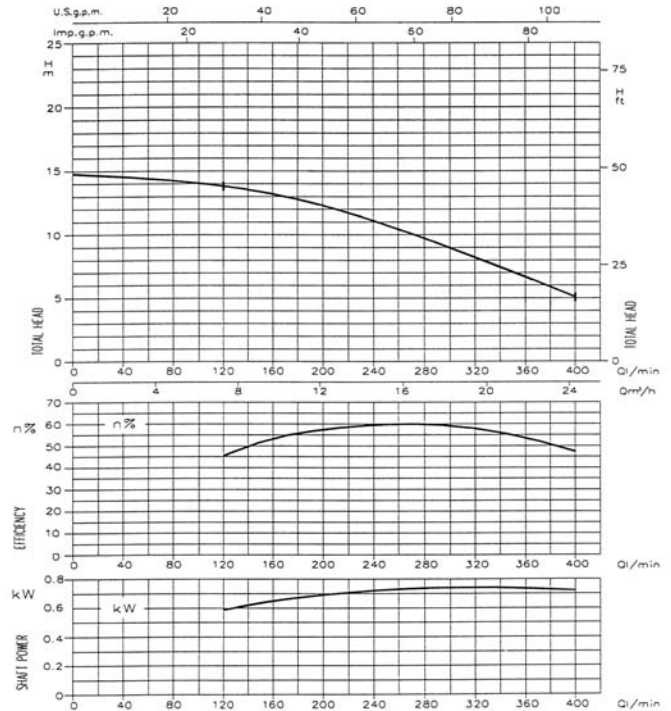
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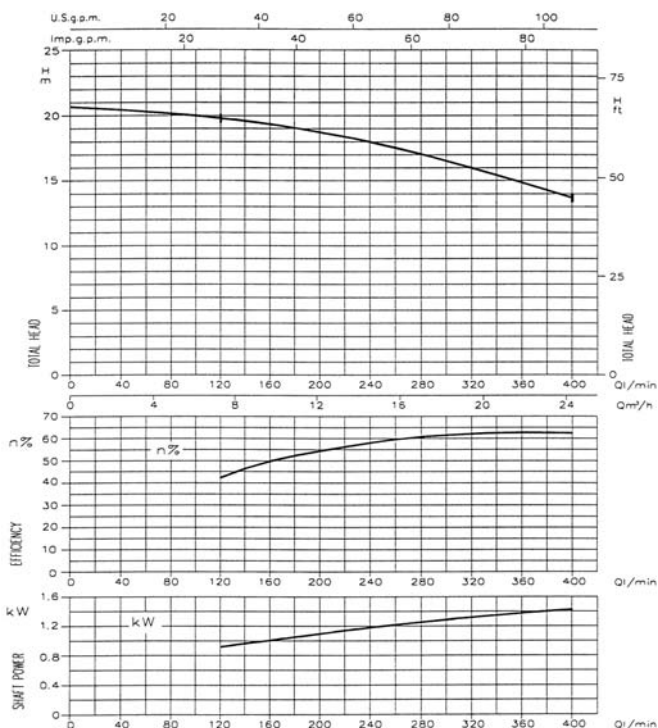
**LPS 50/40**



**LPS 50/75**

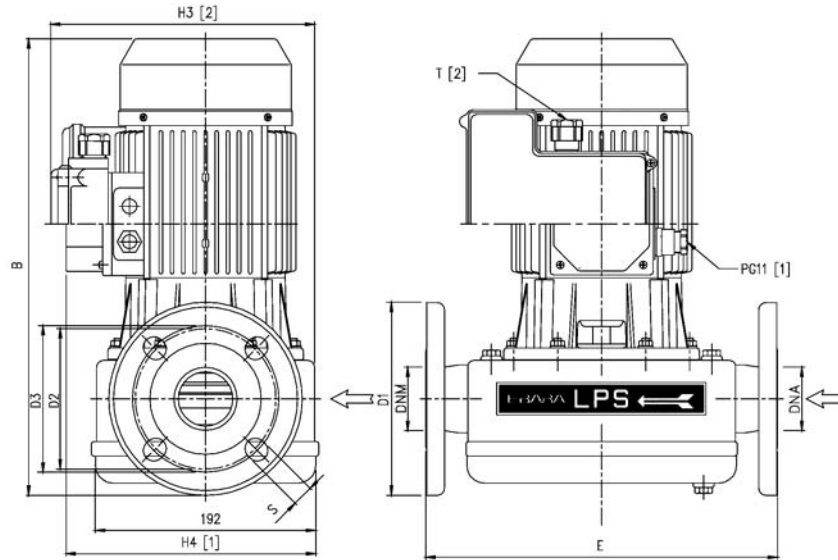


**LPS 50/150**



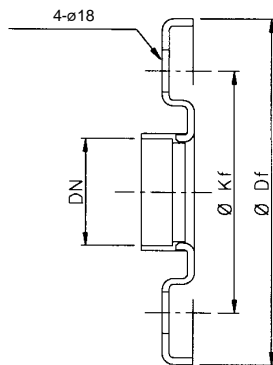
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**DIMENSIONES / DIMENSIONS**



**TABLA DE DIMENSIONES - OUTLINE DIMENSIONS**

| Modelo<br>Type | Dimensiones (mm) / Dimensions (mm) |       |       |      |       |        |     |     |     |     |     |    | Peso Weight<br>Kg |      |
|----------------|------------------------------------|-------|-------|------|-------|--------|-----|-----|-----|-----|-----|----|-------------------|------|
|                | E                                  | B     |       | H3   | H4    | T      | DNA | DNM | D1  | D2  | D3  | S  | [1~]              | [3~] |
| LPS 25/08(M)   | 300                                | [1~]  | [3~]  | [1~] | [3~]  | [1~]   | DNA | DNM | D1  | D2  | D3  | S  | [1~]              | [3~] |
| LPS 25/15(M)   | 300                                | 322   | 322   | 206  | 197,5 | PG11   | 25  | 25  | 115 | 85  | 85  | 14 | 10                | 10   |
| LPS 25/25(M)   | 300                                | 322   | 322   | 206  | 197,5 | PG11   | 25  | 25  | 115 | 85  | 85  | 14 | 10,1              | 10,1 |
| LPS 32/25(M)   | 305                                | 341,5 | 341,5 | 206  | 197,5 | PG11   | 32  | 32  | 140 | 100 | 100 | 18 | 10,8              | 10,8 |
| LPS 32/40(M)   | 305                                | 341,5 | 341,5 | 206  | 197,5 | PG11   | 32  | 32  | 140 | 100 | 100 | 18 | 10,8              | 10,8 |
| LPS 40/25(M)   | 305                                | 346,5 | 346,5 | 206  | 197,5 | PG11   | 40  | 40  | 150 | 105 | 110 | 18 | 11                | 11   |
| LPS 40/40(M)   | 305                                | 346,5 | 346,5 | 206  | 197,5 | PG11   | 40  | 40  | 150 | 105 | 110 | 18 | 11                | 11   |
| LPS 40/75(M)   | 305                                | 346,5 | 346,5 | 206  | 197,5 | PG11   | 40  | 40  | 150 | 105 | 110 | 18 | 13,7              | 13,7 |
| LPS 50/40(M)   | 310                                | 356,5 | 356,5 | 206  | 197,5 | PG11   | 50  | 50  | 165 | 120 | 125 | 18 | 11,6              | 11,6 |
| LPS 50/75(M)   | 310                                | 356,5 | 356,5 | 206  | 197,5 | PG11   | 50  | 50  | 165 | 120 | 125 | 18 | 14,4              | 14,4 |
| LPS 50/150(M)  | 310                                | 387   | 400   | 232  | 214,5 | PG13,5 | 50  | 50  | 165 | 120 | 125 | 18 | 17,7              | 19,6 |



**CONTRABRIDAS - COUNTERFLANGES**

| Denominación<br>Denomination | Aspiración y descarga / Suction & discharge |        |     |     |
|------------------------------|---|--------|-----|-----|
|                              | DN  | Gas    | Kf  | DF  |
| T 25                         | 25  | 1"     | 85  | 115 |
| T 32                         | 32  | 1" 1/4 | 100 | 140 |
| T 40                         | 40  | 1" 1/2 | 110 | 150 |
| T 50                         | 50  | 2"     | 125 | 165 |

**MONTAJE / ASSEMBLY**

