



Bombas Centrífugas Sanitarias



HYGIENE



BIOTECHNOLOGY



INDUSTRIAL

Serie CR

Diseño estándar

Bombas centrífugas de turbina helicoidal.

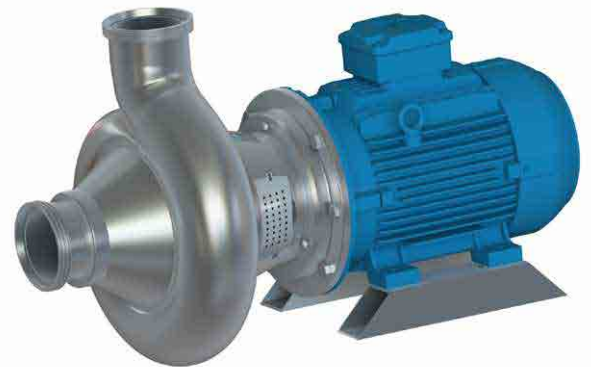
Partes en contacto con el fluido realizadas en acero inoxidable tipo CF-3M 1.4404/AISI 316L.

Fundiciones a la cera perdida y tratamiento de pulido electroquímico, garantizan un nivel óptimo de acabado superficial.

Motores independientes tipo IEC.

Caudales desde 0 a 150 m³/h con presiones hasta 20 m.c.l.

Gracias al sistema de cierre del cuerpo mediante una abrazadera, son fácilmente desmontables para inspección, limpieza y mantenimiento; además la boca de impulsión puede girarse en cualquier dirección.



Bomba CR



Bomba CR carenada

Aplicaciones

Movimiento delicado sin interrupciones.

Las características de proyecto de las bombas de la serie CR permiten una velocidad de flujo del producto extremadamente baja que unida a la configuración particular de la turbina helicoidal determina un transporte delicado.

Unen las propiedades de las bombas centrífugas a la delicadeza de una bomba volumétrica de rotor helicoidal. Esto permite su uso con productos de una consistencia alta y con presencia de partes sólidas.

Las bombas de la serie CR son la elección ideal en los sectores de transformación de los productos alimentarios:

Transporte de verdura y fruta, cereales, transporte de pescado, pastas alimentarias, aceite, remontado de vinos.

Ejecuciones cierre mecánico:

Cierres mecánicos unificados EN 12756, ISO 3069.

Cierre mecánico simple interno

Cierre mecánico simple externo

Cierre mecánico doble refrigerado

Materiales de las juntas (certificadas FDA):

EPDM

Fluorado

Silicona

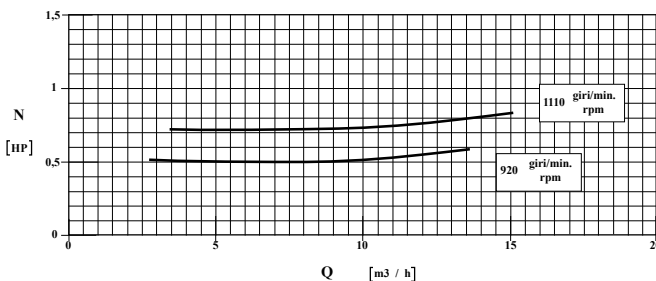
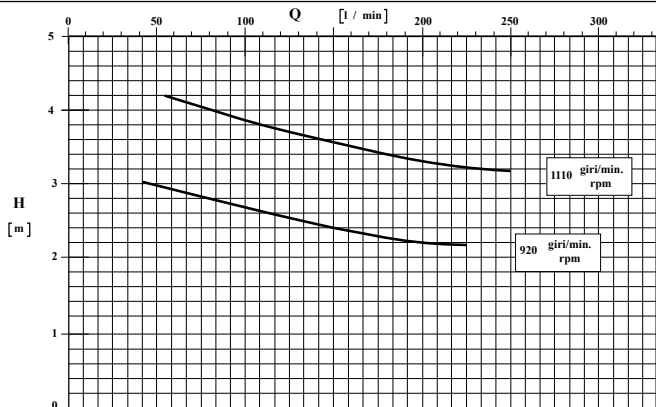
P.T.F.E. (Fep)

Conexiones para las bocas de unión:

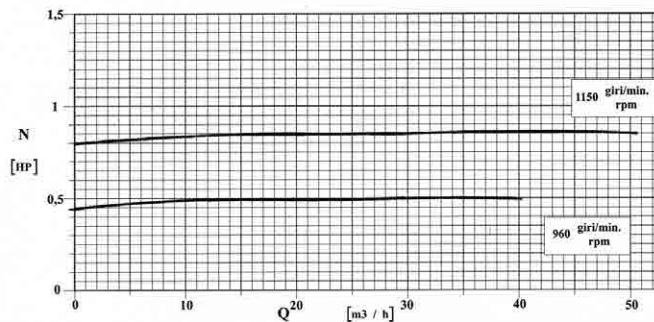
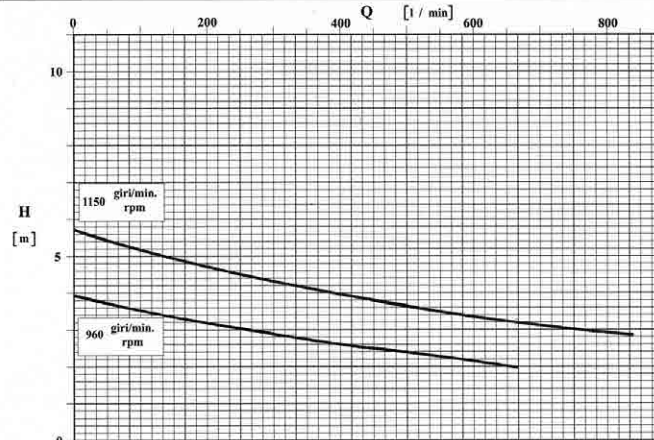
DIN - SMS - IDF - BS/RJT -DS - CLAMP y bridas EN 1092-1 PN16 las adaptan a todas las normativas internacionales.

DIAGRAMAS GENERALES

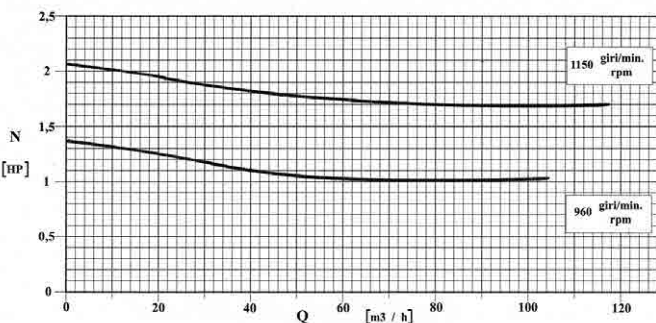
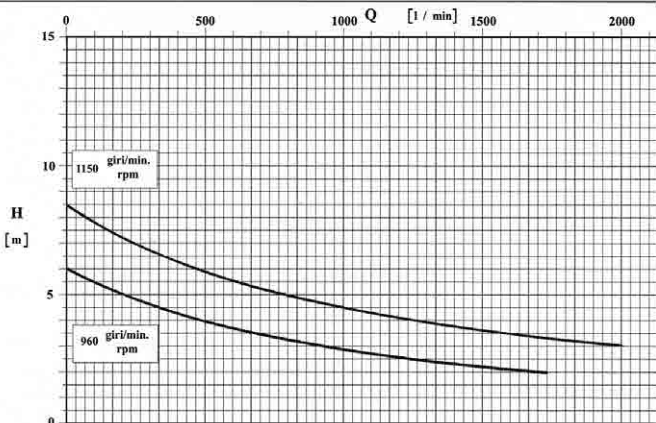
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|--|----------------------------------|-------------------------------------|-------------------------------|-------------------------------|--|--|
| POMPA TIPO Pump type | | CR 65 | | | n 920/1110 giri / min r. p. m. | |
| GIRANTE — Impeller | | | | | | |
| TIPO Type | N° di pale n° of vanes | Pass. sferico max. sphere | Ø max max. diameter | Ø min min. diameter | Bocche tipo Ports type | Bocca aspir. Suction port DN 65 |
| APERTA | 1 Elica | 33 mm | 156 mm | — mm | DIN 11851 | Bocca mand. Discharge port DN 65 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm ³) Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm ³) | | | | | | |



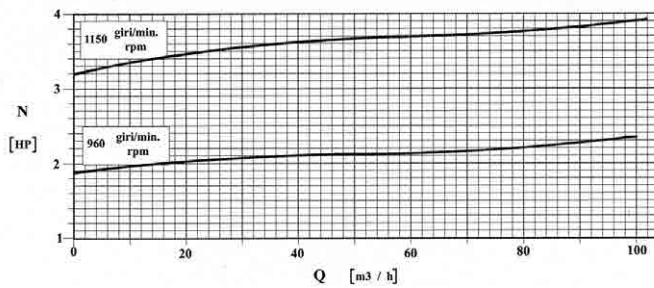
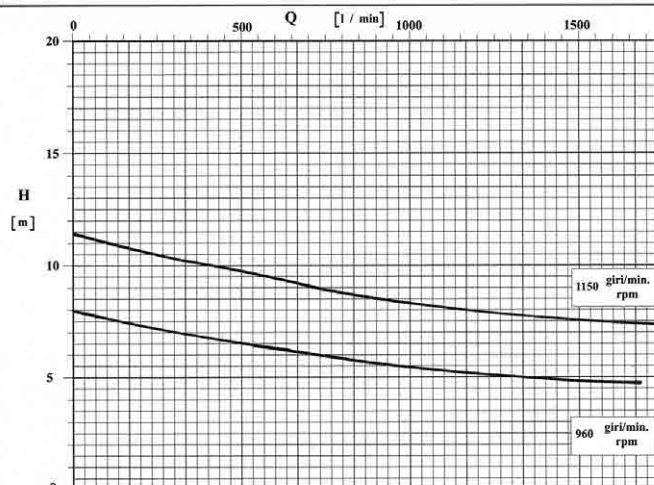
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|--|----------------------------------|-------------------------------------|-------------------------------|-------------------------------|--|--|
| POMPA TIPO Pump type | | CR 80 | | | n 960/1150 giri / min r. p. m. | |
| GIRANTE — Impeller | | | | | | |
| TIPO Type | N° di pale n° of vanes | Pass. sferico max. sphere | Ø max max. diameter | Ø min min. diameter | Bocche tipo Ports type | Bocca aspir. Suction port DN 80 |
| APERTA | 1 Elica | 45 mm | 178 mm | — mm | DIN 11851 | Bocca mand. Discharge port DN 80 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm ³) Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm ³) | | | | | | |



| | | | | | | |
|--|----------------------------------|-------------------------------------|-------------------------------|-------------------------------|--|---|
| POMPA TIPO Pump type | | CR 100 | | | n 960/1150 giri / min r. p. m. | |
| GIRANTE — Impeller | | | | | | |
| TIPO Type | N° di pale n° of vanes | Pass. sferico max. sphere | Ø max max. diameter | Ø min min. diameter | Bocche tipo Ports type | Bocca aspir. Suction port DN 100 |
| APERTA | 1 Elica | 58 mm | 210 mm | — mm | DIN 11851 | Bocca mand. Discharge port DN 100 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm ³) Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm ³) | | | | | | |

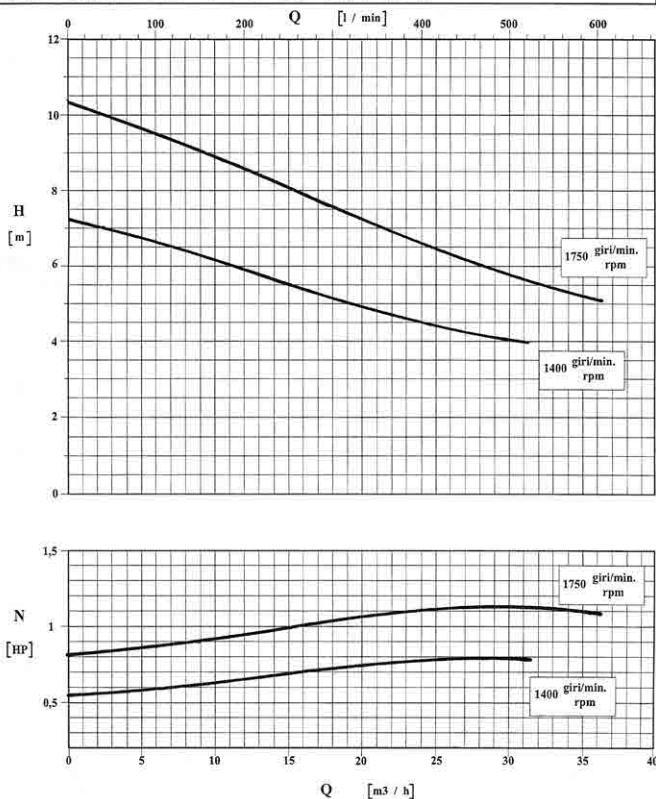


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|--|----------------------------------|-------------------------------------|-------------------------------|-------------------------------|--|---|
| POMPA TIPO Pump type | | CR 125 | | | n 960/1150 giri / min r. p. m. | |
| GIRANTE — Impeller | | | | | | |
| TIPO Type | N° di pale n° of vanes | Pass. sferico max. sphere | Ø max max. diameter | Ø min min. diameter | Bocche tipo Ports type | Bocca aspir. Suction port DN 125 |
| APERTA | 1 Elica | 63 mm | 260 mm | — mm | DIN 11851 | Bocca mand. Discharge port DN 125 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm ³) Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm ³) | | | | | | |

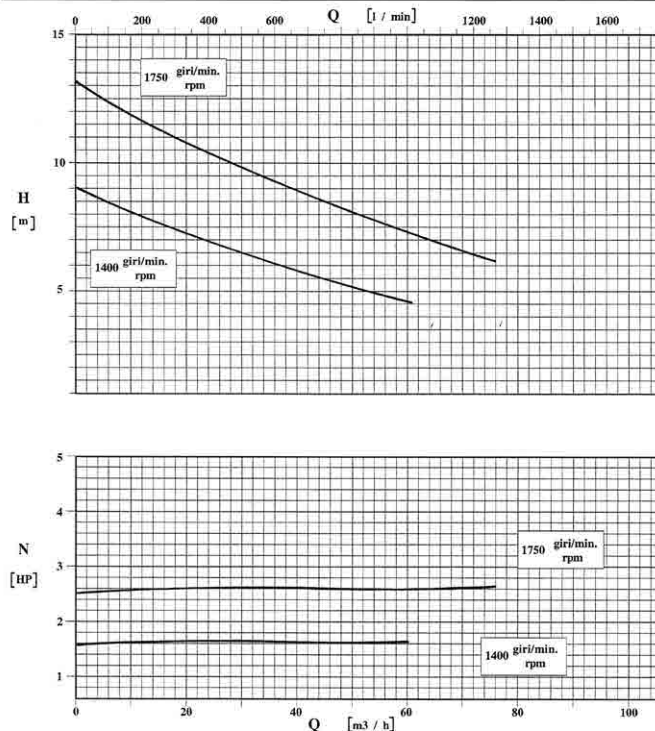


DIAGRAMAS GENERALES

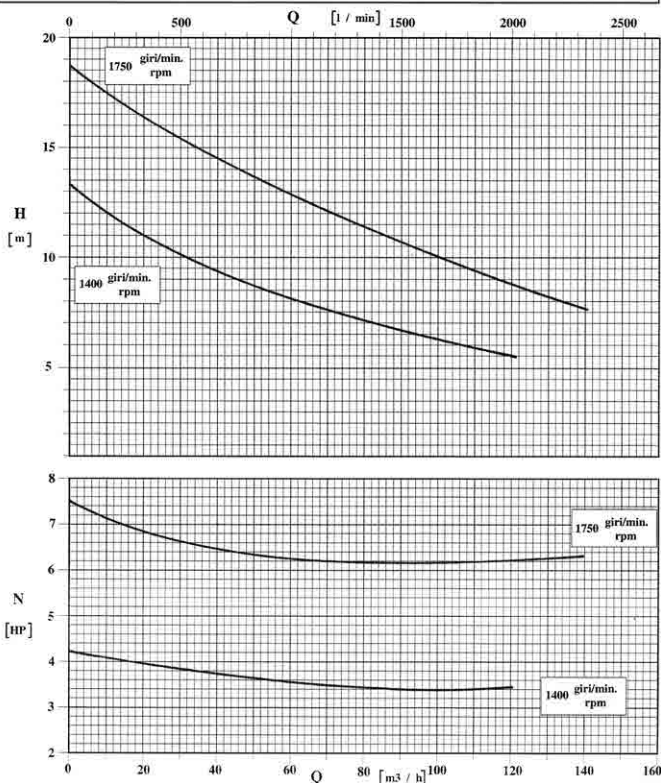
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|--|---|--|--------------------------------------|--------------------------------------|--|---|
| POMPA TIPO <i>Pump type</i> | | CR 65 | | | n 1400/1750 giri / min <i>r. p. m.</i> | |
| GIRANTE — <i>Impeller</i> | | | | | | |
| TIPO <i>Type</i> | N° di pale <i>n° of vanes</i> | Pass. sferico <i>max. sphere</i> | Ø max <i>max. diameter</i> | Ø min <i>min. diameter</i> | Bocche tipo <i>Ports type</i> | Bocca aspir. <i>Suction port</i> |
| APERTA | 1 Elica | 33 mm | 156 mm | — mm | DIN 11851 | DN 65 |
| | | | | | | Bocca mand. <i>Discharge port</i> |
| | | | | | | DN 65 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm³) <i>Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm³)</i> | | | | | | |



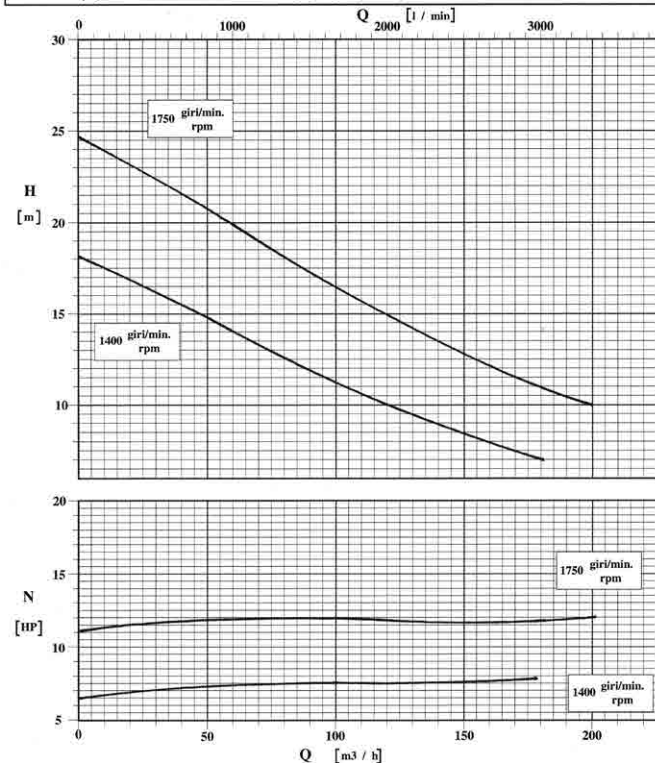
| | | | | | | |
|--|---|--|--------------------------------------|--------------------------------------|--|---|
| POMPA TIPO <i>Pump type</i> | | CR 80 | | | n 1450/1750 giri / min <i>r. p. m.</i> | |
| GIRANTE — <i>Impeller</i> | | | | | | |
| TIPO <i>Type</i> | N° di pale <i>n° of vanes</i> | Pass. sferico <i>max. sphere</i> | Ø max <i>max. diameter</i> | Ø min <i>min. diameter</i> | Bocche tipo <i>Ports type</i> | Bocca aspir. <i>Suction port</i> |
| APERTA | 1 Elica | 45 mm | 178 mm | — mm | DIN 11851 | DN 80 |
| | | | | | | Bocca mand. <i>Discharge port</i> |
| | | | | | | DN 80 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm³) <i>Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm³)</i> | | | | | | |



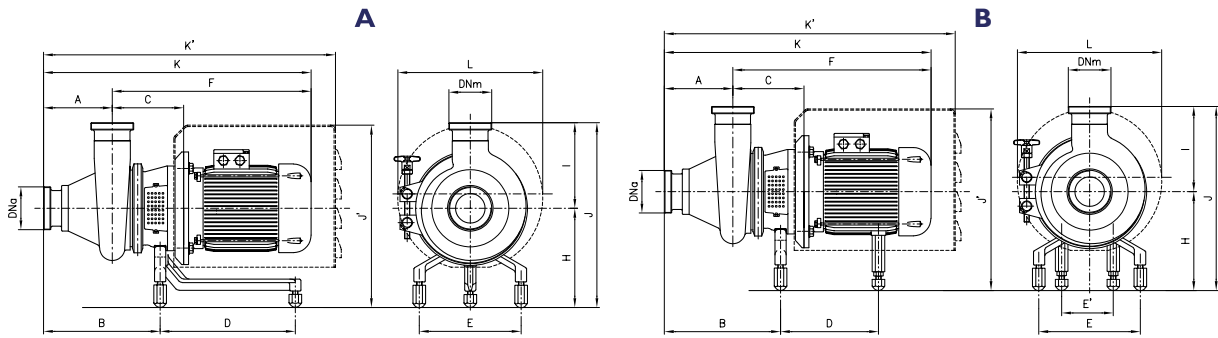
| | | | | | | |
|--|---|--|--------------------------------------|--------------------------------------|--|---|
| POMPA TIPO <i>Pump type</i> | | CR 100 | | | n 1450/1750 giri / min <i>r. p. m.</i> | |
| GIRANTE — <i>Impeller</i> | | | | | | |
| TIPO <i>Type</i> | N° di pale <i>n° of vanes</i> | Pass. sferico <i>max. sphere</i> | Ø max <i>max. diameter</i> | Ø min <i>min. diameter</i> | Bocche tipo <i>Ports type</i> | Bocca aspir. <i>Suction port</i> |
| APERTA | 1 Elica | 58 mm | 210 mm | — mm | DIN 11851 | DN 100 |
| | | | | | | Bocca mand. <i>Discharge port</i> |
| | | | | | | DN 100 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm³) <i>Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm³)</i> | | | | | | |



| | | | | | | |
|--|---|--|--------------------------------------|--------------------------------------|--|---|
| POMPA TIPO <i>Pump type</i> | | CR 125 | | | n 1450/1750 giri / min <i>r. p. m.</i> | |
| GIRANTE — <i>Impeller</i> | | | | | | |
| TIPO <i>Type</i> | N° di pale <i>n° of vanes</i> | Pass. sferico <i>max. sphere</i> | Ø max <i>max. diameter</i> | Ø min <i>min. diameter</i> | Bocche tipo <i>Ports type</i> | Bocca aspir. <i>Suction port</i> |
| APERTA | 1 Elica | 63 mm | 260 mm | — mm | DIN 11851 | DN 125 |
| | | | | | | Bocca mand. <i>Discharge port</i> |
| | | | | | | DN 125 |
| CARATTERISTICHE DI FUNZIONAMENTO CON ACQUA PULITA A 20°C - PESO SPECIFICO 1 (kg/dm³) <i>Curves show performance with clear water at 70°F - Specific gravity 1 (kg/dm³)</i> | | | | | | |



DIMENSIONES



A = Motores desde 0,55 kW a 4 kW

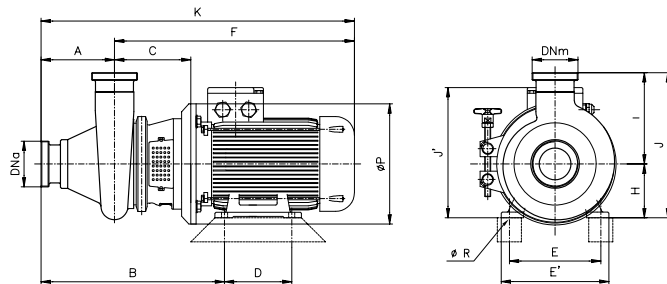
DN=Rosca macho DIN-I 1851 - Cotas aproximadas – Ejec. con motores estándar IEC/EN

| Bomba tipo | rpm | kW | DNa | DNm | A | B | C | D | E | E' | F | H | K | K' | I | J | J' | L |
|------------|------|-----------------------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|------------|------------|------------|------------|-----|------------|------------|------------|
| CR 65 | | 1450 | 0,55 0,75 1,1 1,5 | 65 | 65 | 151 | 257 | 158 | 230 | 225 | - | 392 437 | 208 | 543 588 | 657 | 190 | 398 | 374 |
| CR 80 | 1450 | 1,1 1,5 2,2 3 4 | 80 | 80 | 181 | 297 | 168 | 300 | 225 | - | 452 508 | 213 230 | 632 690 | 699 767 | 245 | 458 475 | 379 435 | 302 330 |
| CR 100 | 1450 | 2,2 3 4 | 100 | 100 | 205 | 337 | 202 | 300 | 225 | - | 536 | 238 | 741 | 824 | 296 | 534 | 443 | 330 |

B = Motores desde 5,5 kW a 15 kW

DN=Rosca macho DIN-I 1851 - Cotas aproximadas – Ejec. con motores estándar IEC/EN

| Bomba tipo | rpm | kW | DNa | DNm | A | B | C | D | E | E' | F | H | K | K' | I | J | J' | L |
|------------|------|------------------------|------------------------|-----|-----|-----|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|------------|------------|------------|
| CR 100 | | 1450 | 5,5 7,5 11 15 | 100 | 100 | 205 | 325 326 | 204 249 | 283 408 | 225 | 180 230 | 576 727 | 238 247 | 784 932 | 848 1105 | 294 | 526 532 | 460 510 |
| CR 125 | 1450 | 5,5 7,5 11 15 | 125 | 125 | 232 | 370 | 230 270 | 292 412 | 225 | 180 230 | 604 748 | 238 247 | 836 980 | 900 1035 | 346 | 584 593 | 501 510 | 430 430 |



Rosca macho DIN -I 1851 - Cotas aproximadas – Ejec. con motores estándar IEC/EN

| Bomba tipo | rpm | kW | DNa | DNm | A | B | C | D | E | E' | F | H | K | I | J | J' | ØP | ØR |
|------------|------|---|----------------------------|-----|-----|------------|------------|-------------------|-------------------|-------------------|-------------------|------------------|-------------------|------------|-------------------|-------------------|------------|----------|
| CR 65 | | 1450 | 0,55 0,75 1,1 1,5 | 65 | 65 | 151 | 360 362 | 158 | 100 | 125 140 | 150 165 | 392 437 | 80 90 | 543 588 | 190 | 270 280 | 200 218 | 200 |
| CR 80 | 1450 | 1,1 1,5 2,2 3 4 | 80 | 80 | 181 | 406 413 | 168 | 125 140 190 | 140 160 226 | 165 196 226 | 452 481 502 | 90 100 112 | 632 663 684 | 245 | 335 345 357 | 218 235 260 | 200 250 | 10 12 |
| CR 100 | 1450 | 2,2 3 4 5,5 7,5 11 15 | 100 | 100 | 205 | 477 497 | 202 | 140 178 | 190 216 | 240 256 | 515 542 | 112 | 720 747 | 294 | 406 426 | 331 299 | 250 300 | 12 12 |
| CR 125 | 1450 | 5,5 7,5 11 15 | 125 | 125 | 232 | 550 610 | 230 270 | 140 178 210 | 216 254 | 256 300 | 604 748 | 132 160 | 836 980 | 346 | 478 506 | 404 432 | 300 350 | 12 15 |