



EBARA

CD-2CD - CDX-2CDX

ELETTROPOMPE CENTRIFUGHE MONOGIRANTI E BIGIRANTI
SINGLE AND TWIN IMPELLERS CENTRIFUGAL PUMPS



CD-2CD

Elettropompe centrifughe monogirante e bigirante costruite in acciaio inossidabile AISI 304 con motore asincrono chiuso 2 poli autoventilato a ventilazione interna.

CD-2CD

Single and twin impeller centrifugal pumps manufactured from stainless steel AISI 304 with 2 poles encased self-ventilated internally cooled asynchronous motor.



APPLICAZIONI

DOMESTICHE:

Impianti di Pressurizzazione
Alimentazione idrica
Giardinaggio

AGRICOLTURA

Media e piccola irrigazione a pioggia

INDUSTRIALI

Torri di raffreddamento
Impianti di irrigazione
Impianti di lavaggio
Alimentazione impianti

APPLICATIONS

DOMESTIC:

Booster sets
Water supply systems
Gardening

AGRICULTURE:

Sprinkler irrigation - Water supply - Washdown

INDUSTRIAL:

Cooling water towers
Irrigation
Washing plants
Water supply systems

CARATTERISTICHE TECNICHE

Corpo pompa in acciaio inox AISI 304 con voluta esterna ottenuta con stampaggio ad espansione.

Giranti con pale saldate a proiezione in acciaio inox AISI 304.

Albero motore completamente in acciaio inox.

Il convogliatore e il diffusore (2CD) totalmente in acciaio inox AISI 304, garantiscono delle caratteristiche meccaniche ed idrauliche superiori.

Supporto, cassa motore, base e copriventola esterna in AISI 304

TECHNICAL FEATURES

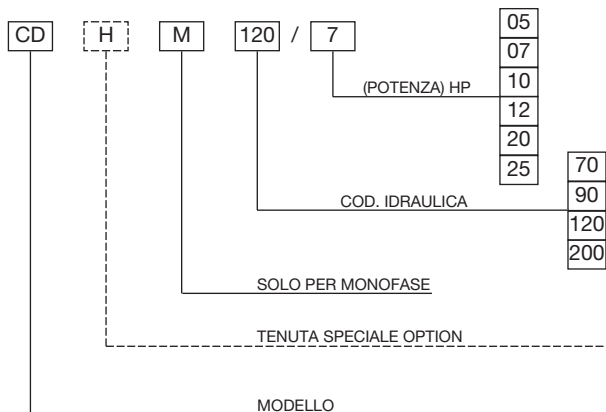
We use AISI 304 stainless steel throughout the manufacture of these models: pump body, impellers with projection-welded blades, motor bracket, motor casing base and external fan cover.

The motor shaft, which comes in contact with the liquid, is completely in stainless steel.

In the 2CD model the intermediate conveyer and diffuser are also in stainless steel for greater strength and unchanged performance.

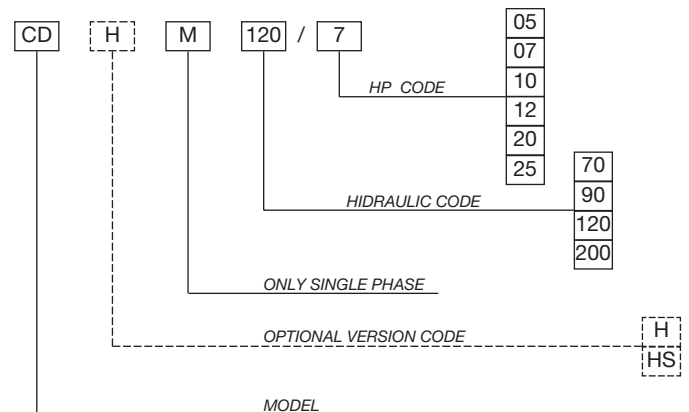
SIGLA IDENTIFICATIVA

Esempio: CD



IDENTIFICATIONAL CODE

Example: CD



SPECIFICHE TECNICHE

SPECIFICATIONS

| POMPA / PUMP | | |
|---|---|--|
| Liquido / Liquid Handled | Tipo di liquido / Type of liquid | Acqua pulita / Clean water |
| | Max temperatura / Max temperature [°C] | 60 (CD 70/05-70/07-90/10-2CD) 90 (Escluso / Except CD 70/05-70/07-90/10) 110 (CDH, CDHS-2CDH) |
| | Temperatura minima / Min temperature [°C] | -10 |
| Pressione massima di esercizio / Maximum working pressure | [MPa] | 0.8 |
| Costruzione / Costruction | Girante / Impeller | Girante chiusa / Closed centrifugal type (CD) - Doppia / Twin (2CD) |
| | Tipo tenuta / Shaft seal type | Tenuta meccanica / Mechanical seal |
| | Cuscinetti / Bearing | Cuscinetti schermati / Sealed ball bearings |
| Conessioni / Pipe connection | Aspirazione / Suction | G1 1/4, G 1 1/2 (CD200) |
| | Mandata / Discharge | G1 |
| Materiale / Material | Corpo pompa / Casing | AISI 304 |
| | Girante / Impeller | AISI 304 |
| | Disco P/Tenuta / Casing cover | AISI 304 |
| | Tenuta meccanica / Shaft seal | Ceramica-Carbone-NBR / Ceramic-Carbon-NBR (CD-2CD) Ceramica-Carbone-FPM / Ceramic-Carbon-FPM (CDH-2CDH) SiC/SiC/FPM (CDHS - 2CDHS) |
| | Disco P/Tenuta / Casing cover | AISI 304 |
| | Albero / Shaft | AISI 303 (Wet extension) for CD / AISI 304 (Wet extension) for 2CD |
| | Supporto / Bracket | AISI 304 |
| Diffusore / Diffuser | AISI 304 (2CD) | |
| Standard di prova / Applicable standard of test | | ISO 9906 Annex A |

| MOTORE / MOTOR | | | |
|---|-----------------------------|---------|--|
| Tipo / Type | Elettrico / Electric - TEFC | | |
| | Monofase / Single Phase | | Trifase / Three Phase |
| No. di poli / No. of Poles | 2 | | |
| R.P.M. / Rotation speed [min ⁻¹] | ≈ 2800 | | |
| Grado di protezione / Insulation Class | F | | |
| Grado di protezione / Protection degree | IP 55 | | |
| Potenze / Power rating [kW] | 0.37 ÷ 1.5 (CD) | | 0.37 ÷ 1.8 (CD) |
| | 0.75 ÷ 1.5 (2CD) | | 0.75 ÷ 1.5 (2CD) |
| | [HP] | 0.5 ÷ 2 | (1 ÷ 2 2CD) 0.5 ÷ 2.5 |
| Frequenza / Frequency [Hz] | 50 | | |
| Voltaggio / Voltage [V] | 230 ± 10% | | 230/400 ± 10% |
| Condensatore / Capacitor | Incorporato / Built in | | - |
| Protezione / Over load protection | Incorporato / Built in | | A cura dell' utente / Provided by the user |
| Materiale del corpo pompa / Casing material | AISI 304 | | |
| Materiale base/supporto motore / Base material/motor support | AISI 304 | | |
| Dimensioni cavo / Dimensions of cable entry | PG11 | | |

CAMPO DI IMPIEGO / SELECTION CHART

CD

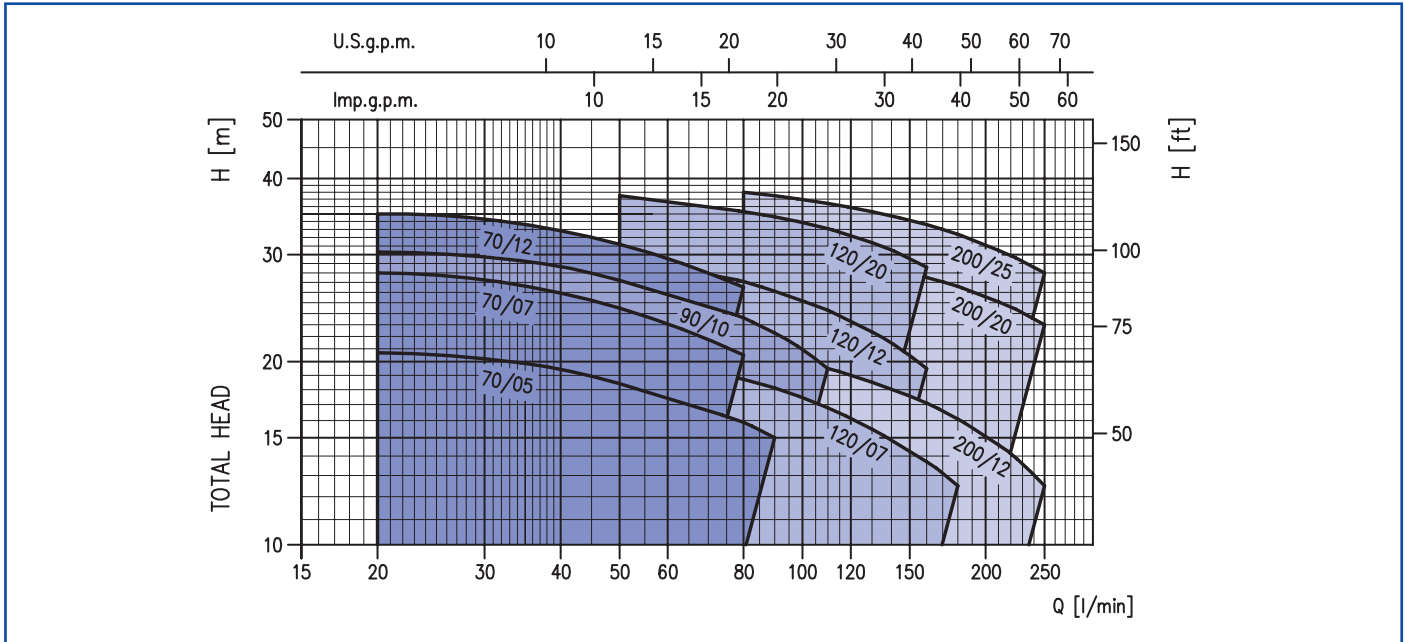


TABELLA PRESTAZIONI / PERFORMANCE TABLE

| Modelli Type pumps | | Potenza Power | | Q = Portata/Capacity | | | | | | | | | | |
|--|------------------------|------------------|-----|----------------------|------|------|------|------|------|------|------|------|------|------|
| | | | | l/min | 20 | 50 | 80 | 90 | 110 | 130 | 160 | 180 | 210 | 250 |
| Monofase Single phase | Trifase Three phase | kW | HP | m ³ /h | 1.2 | 3.0 | 4.8 | 5.4 | 6.6 | 7.8 | 9.6 | 10.8 | 12.6 | 15.0 |
| H = Prevalenza manometrica totale in m.c.a. H = Total manometric head in meters | | | | | | | | | | | | | | |
| CDM 70/05 | CD 70/05 | 0.37 | 0.5 | 20.7 | 18.4 | 15.9 | 15 | - | - | - | - | - | - | - |
| CDM 70/07 | CD 70/07 | 0.55 | 0.8 | 28 | 24.5 | 20.5 | - | - | - | - | - | - | - | - |
| CDM 70/12 | CD 70/12 | 0.9 | 1.2 | 35 | 31.2 | 26.5 | - | - | - | - | - | - | - | - |
| CDM 90/10 | CD 90/10 | 0.75 | 1 | 30.3 | 27.2 | 23.6 | 22.3 | 19.5 | - | - | - | - | - | - |
| CDM 120/07 | CD 120/07 | 0.55 | 0.8 | - | 20.5 | 18.7 | 18.1 | 16.8 | 15.5 | 13.7 | 12.5 | - | - | - |
| CDM 120/12 | CD 120/12 | 0.9 | 1.2 | - | 29.5 | 27.1 | 26.1 | 24.3 | 22.4 | 19.5 | - | - | - | - |
| CDM 120/20 | CD 120/20 | 1.5 | 2 | - | 37.5 | 35.3 | 34.6 | 33.1 | 31.4 | 28.6 | - | - | - | - |
| CDM 200/12 | CD 200/12 | 0.9 | 1.2 | - | - | 20.6 | 20.2 | 19.5 | 18.5 | 17.1 | 16.1 | 14.6 | 12.5 | - |
| CDM 200/20 | CD 200/20 | 1.5 | 2 | - | - | 31 | 30.6 | 29.7 | 28.9 | 27.5 | 26.6 | 25.1 | 23 | - |
| - | CD 200/25 | 1.8 | 2.5 | - | - | 38 | 37.5 | 36.4 | 35.3 | 33.6 | 32.4 | 30.5 | 28 | - |

CAMPO DI IMPIEGO / SELECTION CHART

2CD

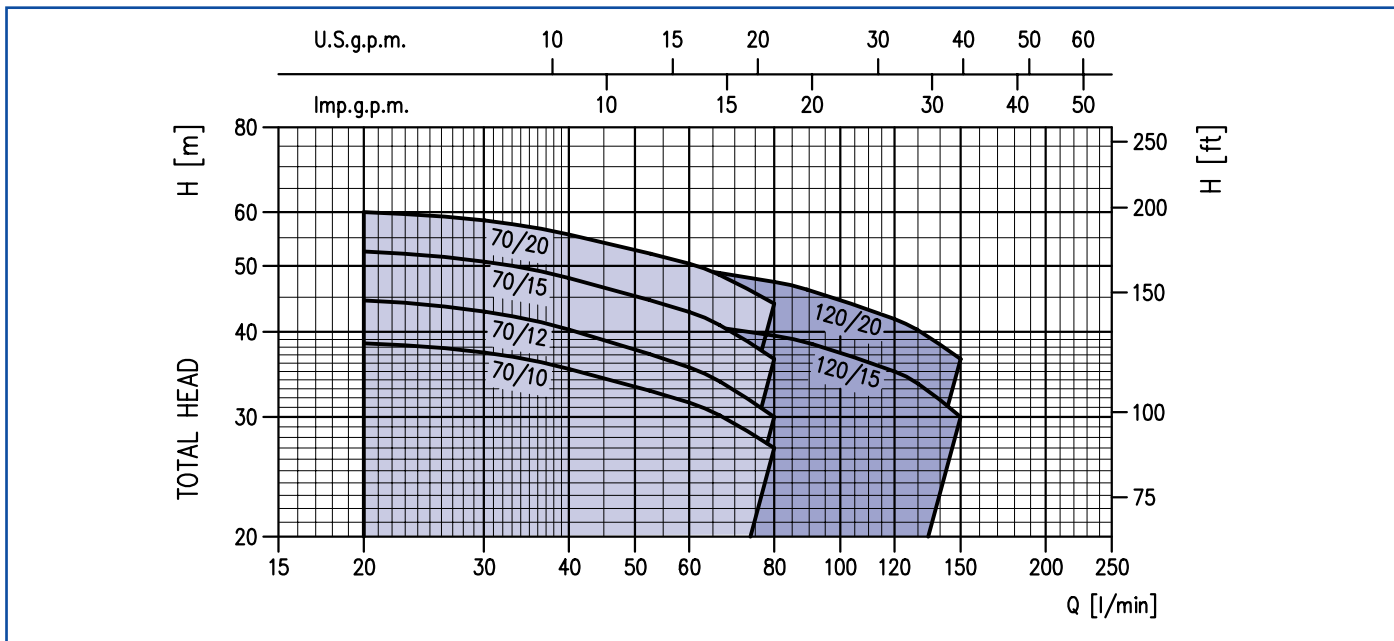


TABELLA PRESTAZIONI / PERFORMANCE TABLE

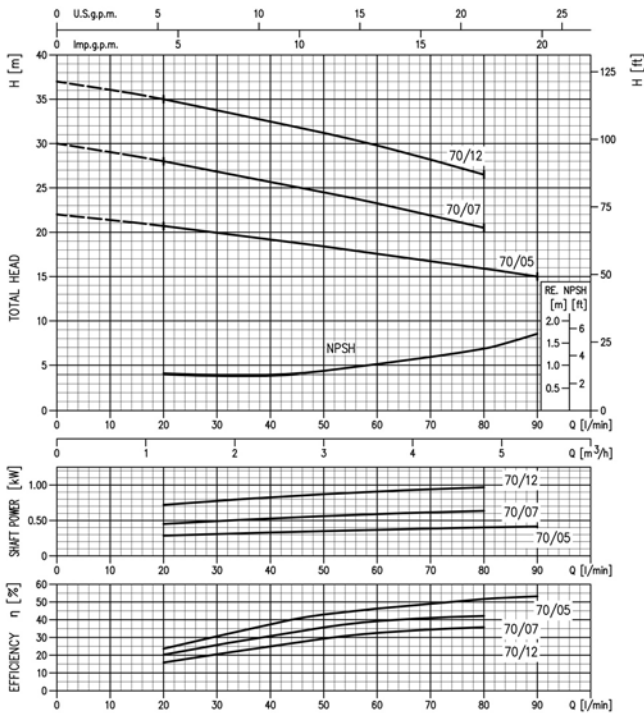
| Modelli Type pumps | | Potenza Power | | Q = Portata/Capacity | | | | | | |
|--|------------|------------------|-----|----------------------|------|------|------|------|------|-----|
| Monofase | Trifase | kW | HP | l/min | 20 | 40 | 30 | 80 | 120 | 150 |
| | | | | m ³ /h | 1.2 | 2.4 | 3.6 | 4.8 | 7.2 | 9 |
| H = Prevalenza manometrica totale in m.c.a. H = Total manometric head in meters | | | | | | | | | | |
| 2CDM 70/10 | 2CD 70/10 | 0.75 | 1 | 38.5 | 35.3 | 31.5 | 27 | - | - | - |
| 2CDM 70/12 | 2CD 70/12 | 0.9 | 1.2 | 44.5 | 40.3 | 35.5 | 30 | - | - | - |
| 2CDM 70/15 | 2CD 70/15 | 1.1 | 1.5 | 52.5 | 48 | 42.8 | 36.5 | - | - | - |
| 2CDM 70/20 | 2CD 70/20 | 1.5 | 2 | 60 | 55.6 | 50.4 | 44 | - | - | - |
| 2CDM 120/15 | 2CD 120/15 | 1.1 | 1.5 | - | 42 | 41 | 39.5 | 35 | 30 | - |
| 2CDM 120/20 | 2CD 120/20 | 1.5 | 2 | - | 51.5 | 49.5 | 47.4 | 41.8 | 36.5 | - |

CURVE DI PRESTAZIONE / PERFORMANCE CURVES

CD

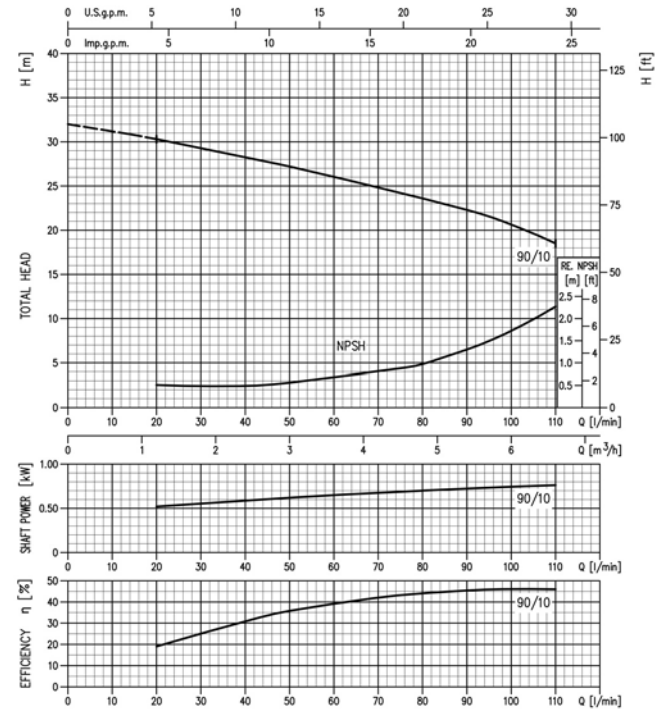
CD 70

CD 70/05 (0.37 kW) Diam. Girante / Impeller diameter = 132
 CD 70/07 (0.55 kW) Diam. Girante / Impeller diameter = 157
 CD 70/12 (0.9 kW) Diam. Girante / Impeller diameter = 176



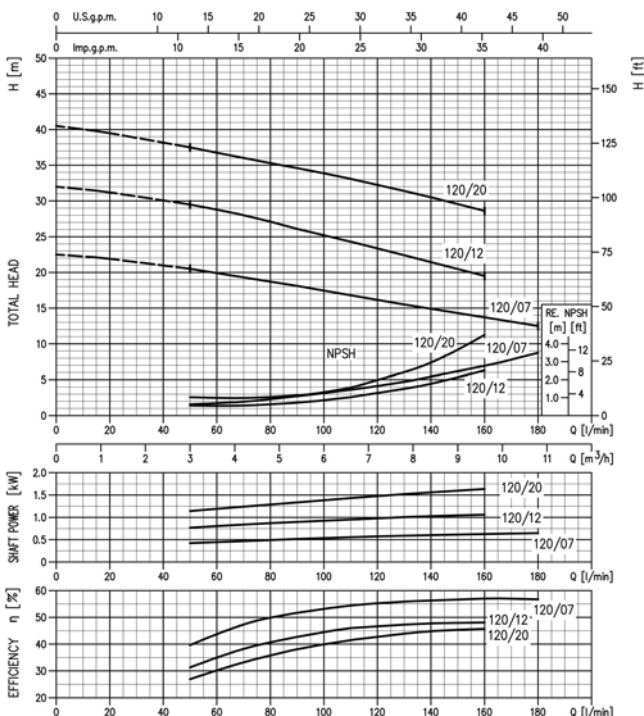
CD 90

CD 90/10 (0.75 kW) Diam. Girante / Impeller diameter = 157



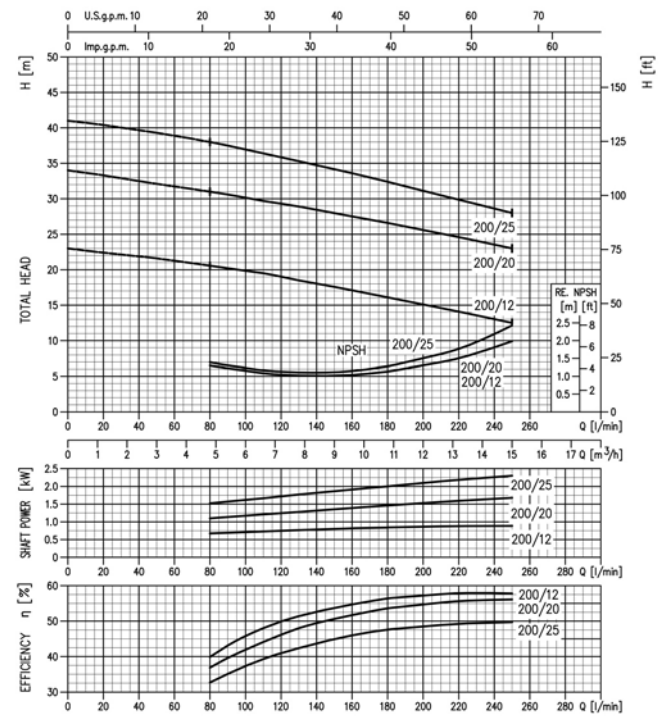
CD 120

CD 120/07 (0.75 kW) Diam. Girante / Impeller diameter = 132
 CD 120/12 (0.90 kW) Diam. Girante / Impeller diameter = 157
 CD 120/20 (1.50 kW) Diam. Girante / Impeller diameter = 176



CD 200

CD 200/12 (0.9 kW) Diam. Girante / Impeller diameter = 132
 CD 200/20 (1.50 kW) Diam. Girante / Impeller diameter = 157
 CD 200/25 (1.80 kW) Diam. Girante / Impeller diameter = 176



Velocità di rotazione/R.P.M. $\approx 2800 \text{ min}^{-1}$

Fluido di prova/Test fluid: Acqua pulita/Clean water 20°C

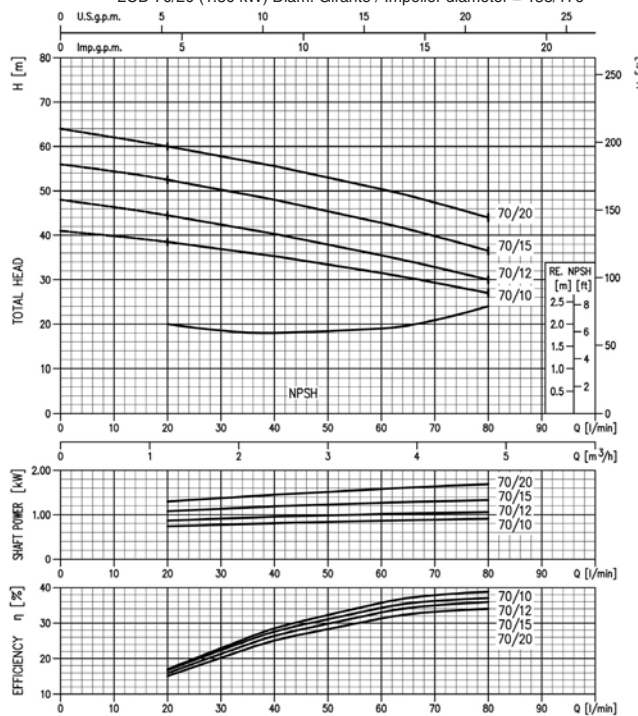
Tolleranza secondo/Applicable standard of test: ISO 9906 grade 2 (CD 70/05, CD 70/07, CD 70/12, CD 200/12, CD 200/20, CD 200/25)
 ISO 9906 Allegato/Annex A (CD 90/10, CD 120/07, CD 120/12, CD 120/20)

CURVE DI PRESTAZIONE / PERFORMANCE CURVES

2CD

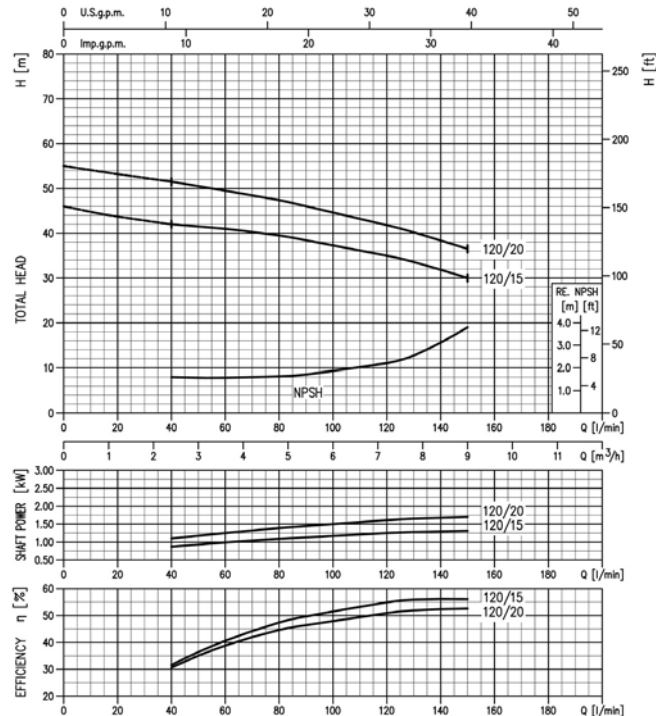
2CD 70

2CD 70/10 (0.75 kW) Diam. Girante / Impeller diameter = 132/132
 2CD 70/12 (0.90 kW) Diam. Girante / Impeller diameter = 153/132
 2CD 70/15 (1.10 kW) Diam. Girante / Impeller diameter = 153/153
 2CD 70/20 (1.50 kW) Diam. Girante / Impeller diameter = 153/176



2CD 120

2CD 120/15 (1.10 kW) Diam. Girante / Impeller diameter = 132/132
 2CD 120/20 (1.50 kW) Diam. Girante / Impeller diameter = 157/132



Velocità di rotazione/R.P.M. $\approx 2800 \text{ min}^{-1}$
 Fluido di prova/Test fluid: Acqua pulita/Clean water 20°C
 Tolleranza secondo/Applicable standard of test: ISO 9906 Allegato/Annex A

DATI TECNICI / TECHNICAL DATA

CD

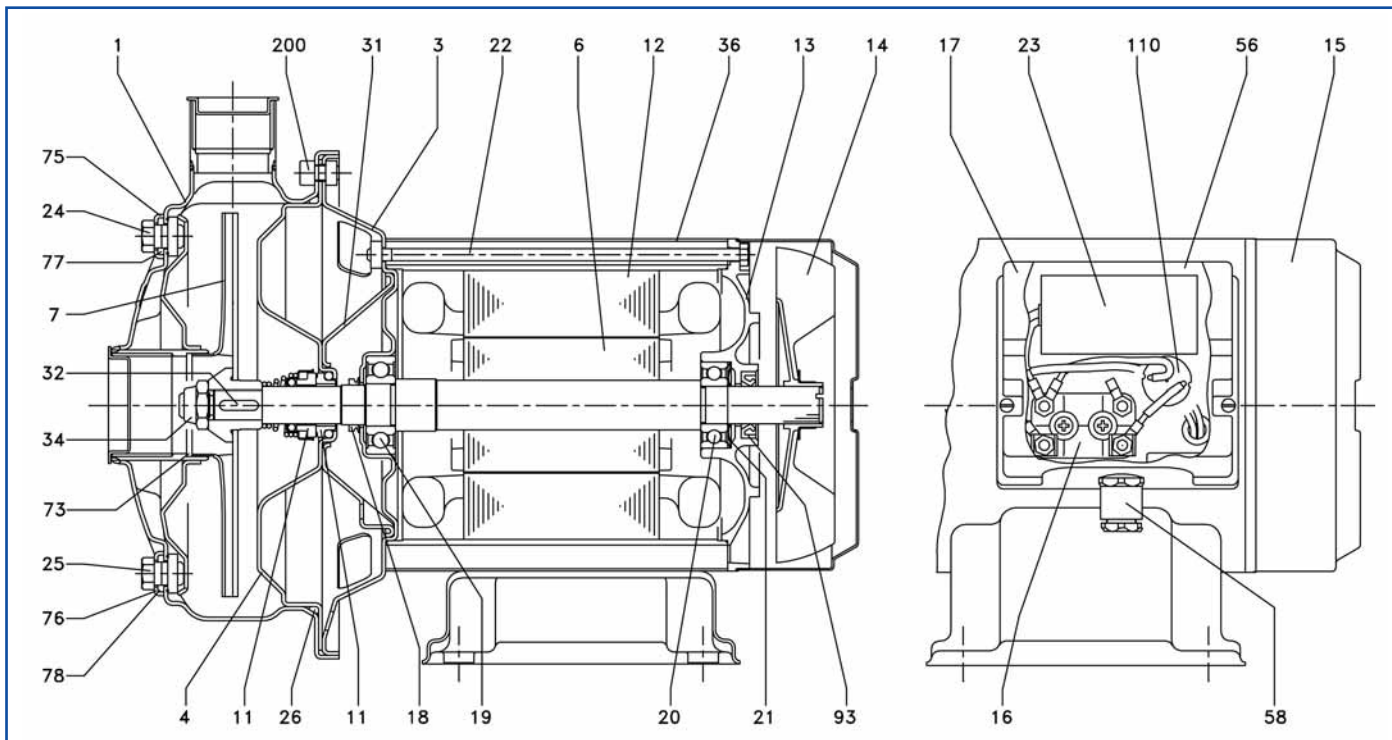
| Modelli Type pumps | | Potenza Power | | Corrente a pieno carico Locked rotor current | | | Condensatore Capacitor | | Potenza ass. Input | | Corrente a pieno carico Full load current | | |
|--------------------------|------------------------|------------------|------|---|------------------------|----------------|---------------------------|-------|------------------------|------------------------|--|------------------------|-------|
| Monofase Single phase | Trifase Three phase | [kW] | [HP] | Monofase Single phase | Trifase Three phase | | Monofase Single phase | Vc[V] | Monof. Single Phase | Trifase Three Phase | Monof. Single Phase | Trifase Three phase | |
| 230 V 50 Hz | 230/400 V 50 Hz | | | 230 V 50 Hz | 230 V 50 Hz | 400 V 50 Hz | [μF] | | | | | 230 V | 400 V |
| CDM 70/05 | CD 70/05 | 0.37 | 0.5 | 10.1 | 10.7 | 6.15 | 12.5 | 450 | 0.71 | 0.68 | 3.1 | 2.4 | 1.4 |
| CDM 70/07 | CD 70/07 | 0.55 | 0.75 | 16.1 | 16.8 | 9.7 | 16 | 450 | 1.0 | 1.0 | 4.6 | 3.5 | 2.0 |
| CDM 70/12 | CD 70/12 | 0.9 | 1.2 | 24.5 | 28.2 | 16.3 | 31.5 | 450 | 1.5 | 1.4 | 6.5 | 5.0 | 2.9 |
| CDM 90/10 | CD 90/10 | 0.75 | 1 | 22.7 | 24.1 | 13.9 | 20 | 450 | 1.2 | 1.1 | 5.6 | 4.0 | 2.3 |
| CDM 120/07 | CD 120/07 | 0.55 | 0.75 | 16.1 | 16.8 | 9.7 | 16 | 450 | 1.0 | 1.0 | 4.6 | 3.2 | 1.85 |
| CDM 120/12 | CD 120/12 | 0.9 | 1.2 | 25 | 28.2 | 16.3 | 31.5 | 450 | 1.6 | 1.4 | 6.9 | 4.9 | 2.8 |
| CDM 120/20 | CD 120/20 | 1.5 | 2 | 43 | 41.6 | 24 | 40 | 450 | 2.1 | 2.1 | 9.7 | 7.0 | 4.0 |
| CDM 200/12 | CD 200/12 | 0.9 | 1.2 | 25 | 28.2 | 16.3 | 31.5 | 450 | 1.4 | 1.3 | 6.3 | 4.7 | 2.7 |
| CDM 200/20 | CD 200/20 | 1.5 | 2 | 43 | 41.6 | 24 | 40 | 450 | 2.3 | 2.1 | 9.8 | 7.0 | 4.0 |
| - | CD 200/25 | 1.85 | 2.5 | - | 46.8 | 27 | - | - | - | 2.8 | - | 8.6 | 5.0 |

2CD

| Modelli Type pumps | | Potenza Power | | Corrente a pieno carico Locked rotor current | | | Condensatore Capacitor | | Potenza ass. Input | | Corrente a pieno carico Full load current | | |
|--------------------------|------------------------|------------------|-----|---|------------------------|----------------|---------------------------|-------|--------------------------|------------------------|--|------------------------|-------|
| Monofase Single phase | Trifase Three phase | kW | HP | Monofase Single phase | Trifase Three phase | | Monofase Single phase | Vc[V] | Monofase Single Phase | Trifase Three Phase | Monof. Single Phase | Trifase Three phase | |
| 230 V 50 Hz | 230/400 V 50 Hz | | | 230 V 50 Hz | 230 V 50 Hz | 400 V 50 Hz | [μF] | | | | | 230 V | 400 V |
| 2CDM 70/10 | 2CD 70/10 | 0.75 | 1 | 22.7 | 24.1 | 13.9 | 20 | 450 | 1.25 | 1.18 | 5.8 | 4.0 | 2.3 |
| 2CDM 70/12 | 2CD 70/12 | 0.9 | 1.2 | 25.5 | 28.2 | 16.3 | 31.5 | 450 | 1.5 | 1.5 | 7.0 | 5.0 | 2.9 |
| 2CDM 70/15 | 2CD 70/15 | 1.1 | 1.5 | 39 | 29.4 | 17 | 35 | 450 | 1.8 | 1.64 | 8.1 | 5.6 | 3.3 |
| 2CDM 70/20 | 2CD 70/20 | 1.5 | 2 | 43 | 45 | 26 | 40 | 450 | 2.3 | 2.2 | 10.0 | 7.0 | 4.0 |
| 2CDM 120/15 | 2CD 120/15 | 1.1 | 1.5 | 39 | 29.4 | 17 | 35 | 450 | 1.8 | 1.7 | 8.3 | 5.6 | 3.3 |
| 2CDM 120/20 | 2CD 120/20 | 1.5 | 2 | 43 | 45 | 26 | 40 | 450 | 2.35 | 2.2 | 10.2 | 7.0 | 4.0 |

VISTA IN SEZIONE / SECTIONAL VIEW

CD



| POS. N° | DESCRIZIONE PART NAME | MATERIALE MATERIAL | Q.TA Q.TY | POS. N° | DESCRIZIONE PART NAME | MATERIALE MATERIAL | Q.TA Q.TY |
|---------|---|---|--------------|---------|---|--------------------------------------|--------------|
| 1 | Corpo pompa / Casing | AISI 304 | 1 | 23 | Condensatore / Capacitor [1] | - | 1 |
| 3 | Supporto motore / Motor bracket | AISI 304 | 1 | 24 | Tappo / Priming plug | AISI 303 | 1 |
| 4 | Disco P/Tenuta / Casing cover | AISI 304 | 1 | 25 | Tappo / Drain plug | AISI 303 | 1 |
| 6 | Albero rotore / Shaft with rotor | AISI 303 (Parte in contatto con il liquido) / (Part in contact with liquid) | 1 | 26 | O-ring [2] | NBR | 1 |
| 7 | Girante / Impeller | AISI 304 | 1 | 31 | Distanz. disco p/tenuta / Thrust flange | AISI 304 | 1 |
| 11 | Ten meccanica / Mechanical seal [2] | Ceramica/Carbone/NBR Ceramic/Carbon/NBR | 1 | 32 | Linguetta / Key | AISI 304 | 1 |
| 12 | Cassa motore / Motor frame with stator | - | 1 | 34 | Dado Aut. / Impeller nut | AISI 304 | 1 |
| 13 | Coperchio motore / Motor cover | Alluminio / Aluminium | 1 | 36 | Camicia motore / External motor casing | AISI 304 | 1 |
| 14 | Ventola / Fan | Polipropilene / Polypropilene | 1 | 56 | Guarniz. coprim. / Box gasket | NBR | 1 |
| 15 | Copriventola / Fan cover | AISI 304 | 1 | 58 | Pressacavo / Cable entry | - | 1 |
| 16 | Morsettiera / Terminal box | - | 1 | 73 | Anello rasam. / Casing ring [3] | AISI 304 | 1 |
| 17 | Coprimorsettiera / Terminal box cover | Poliammide / Polyamide | 1 | 75 | Rondella / Washer | AISI 304 | 1 |
| 18 | Anello paraspruzzi / " V " seal ring | NBR | 1 | 76 | Rondella / Washer | AISI 304 | 1 |
| 19 | Cuscinetto lato pompa / Pump side ball bearing | - | 1 | 77 | O-ring [2] | NBR | 1 |
| 20 | Cuscinetto lato ventola / Fan side ball bearing | - | 1 | 78 | O-ring [2] | NBR | 1 |
| 21 | Anello compensatore / Adjusting ring | Acciaio / Steel C70 | 1 | 93 | Anello ten. / Lip seal | NBR | 1 |
| 22 | Tirante / Tie rod | Zincato / Zinked Fe 42 | 4 | 110 | Protettore / Protector [1] | - | 1 |
| | | | | 200 | Vite / Screw | Acciaio / Stainless steel A2 UNI7323 | 8 |
| | | | | - | - | - | - |

[1] Solo per versione monofase / Only for single phase

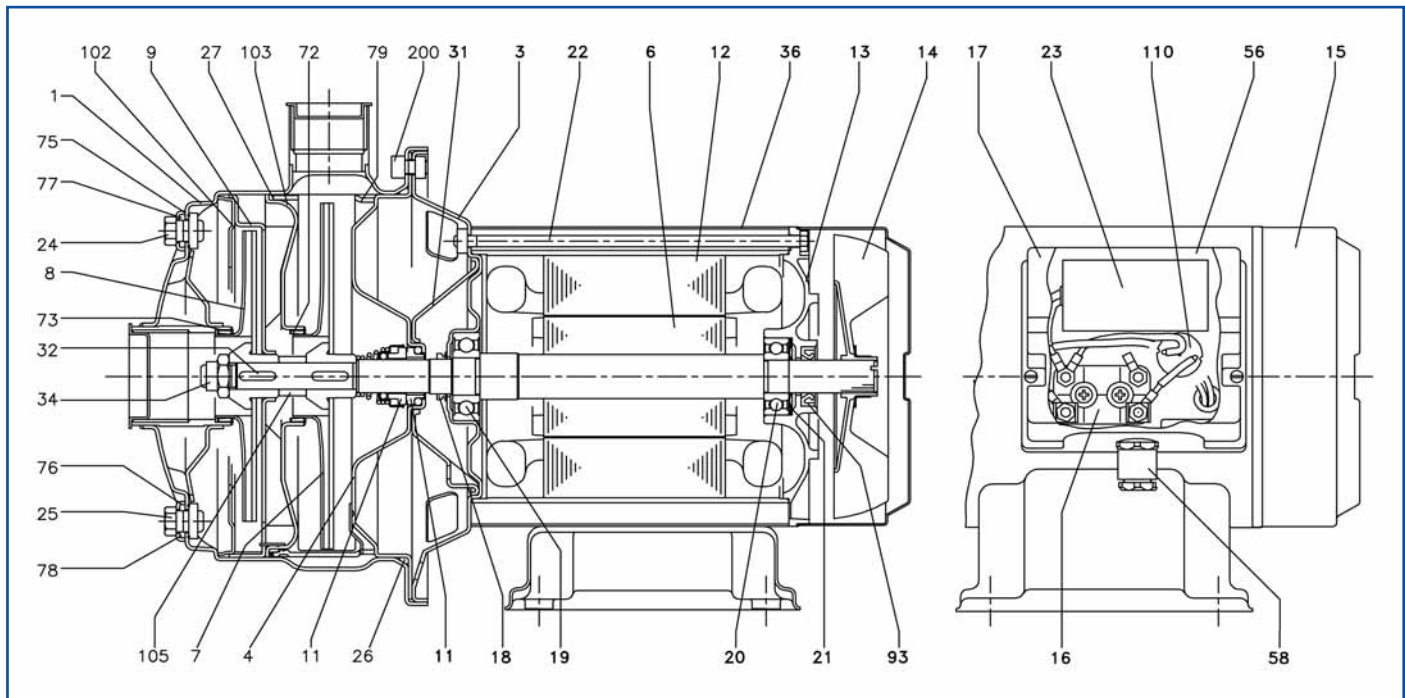
[2] FPM per/for CDH e/and CDHS

[3] NBR per/for: CD 70/05, 70/07, 90/10

FPM per/for: CDH 70/05, 70/07, 90/10 e/and CDHS 70/05, 70/07, 90/10

VISTA IN SEZIONE / SECTIONAL VIEW

2CD



| POS. N° | DESCRIZIONE PART NAME | MATERIALE MATERIAL | Q.TA Q.TY | POS. N° | DESCRIZIONE PART NAME | MATERIALE MATERIAL | Q.TA Q.TY |
|---------|---|---|--------------|---------|--|---|--------------|
| 1 | Corpo pompa / Casing | AISI 304 | 1 | 25 | Tappo / Drain plug | AISI 303 | 1 |
| 3 | Supporto motore / Motor bracket | AISI 304 | 1 | 26 | O-ring [3] | NBR | 1 |
| 4 | Disco P/Tenuta / Casing cover | AISI 304 | 1 | 27 | O-ring [3] | NBR | 1 |
| 6 | Albero rotore / Shaft with rotor | AISI 304 (Parte in contatto con il liquido) / (Part in contact with liquid) | 1 | 31 | Distanz. disco p/tenuta / Thrust flange | AISI 304 | 1 |
| 7 | Girante / Impeller | AISI 304 | 1 | 32 | Linguetta / Key | AISI 304 | 2 |
| 8 | Girante / Impeller | AISI 304 | 1 | 34 | Dado Aut. / Impeller nut | AISI 304 | 1 |
| 9 | Diffusore / Diffuser | AISI 304 | 1 | 36 | Camicia motore / External motor casing | AISI 304 | 1 |
| 11 | Ten. meccanica / Mechanical seal [3] | Ceramic/Carbon/NBR Ceramic/Carbon/NBR | 1 | 56 | Guarniz. coprim. / Box gasket | NBR | 1 |
| 12 | Cassa motore / Motor frame with stator | - | 1 | 58 | Pressacavo / Cable entry | - | 1 |
| 13 | Coperchio motore / Motor cover | Alluminio / Aluminium | 1 | 72 | Anello rasam. / Casing ring [3] | NBR | 1 |
| 14 | Ventola / Fan | Polipropilene / Polypropilene | 1 | 73 | Anello rasam. / Casing ring [3] | NBR | 1 |
| 15 | Copriventola / Fan cover | AISI 304 | 1 | 75 | Rondella / Washer | AISI 304 | 1 |
| 16 | Morsettiera / Terminal box | - | 1 | 76 | Rondella / Washer | AISI 304 | 1 |
| 17 | Coprimorsettiera / Terminal box cover [2] | Poliammide / Polyamide | 1 | 77 | O-ring [3] | NBR | 1 |
| 18 | Anello paraspruzzi / " V " seal ring | NBR | 1 | 78 | O-ring [3] | NBR | 1 |
| 19 | Cuscinetto lato pompa / Pump side ball bearing | - | 1 | 79 | Dist. diff. / Space diffuser | AISI 304 | 1 |
| 20 | Cuscinetto lato ventola / Fan side ball bearing | - | 1 | 93 | Anello tenuta / Lip seal | - | 1 |
| 21 | Anello compensatore / Adjusting ring | Acciaio / Steel C70 | 1 | 102 | Coperchio diff. / Suction cover | AISI 304 | 1 |
| 22 | Tirante / Tie rod | Zincato / Zinked Fe 42 | 4 | 103 | Coperchio convogliatore / Conveyor cover | AISI 304 | 1 |
| 23 | Condensatore / Capacitor [1] | - | 1 | 105 | Dist. gir. / Sleeve | AISI 304 | 1 |
| 24 | Tappo / Priming plug | AISI 303 | 1 | 110 | Protettore / Protector [1] | - | 1 |
| | | | | 200 | Vite / Screw | Acciaio / Stainless steel A2 UNI7323 | 8 |

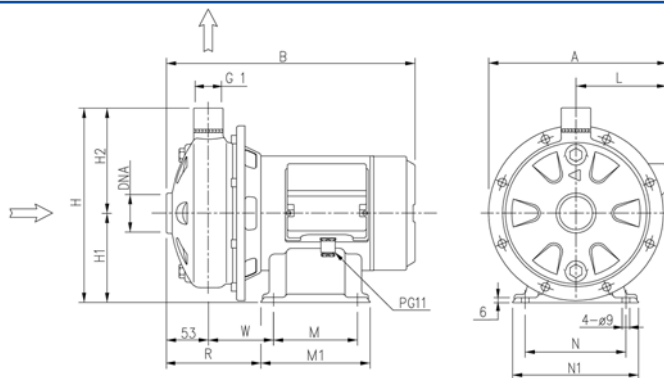
[1] Solo per versione monofase / Only for single phase

[2] Solo per versione trifase / Only for three phase

[3] FPM per/for 2CDH e/and 2CDHS

DIMENSIONI / DIMENSIONS

CD

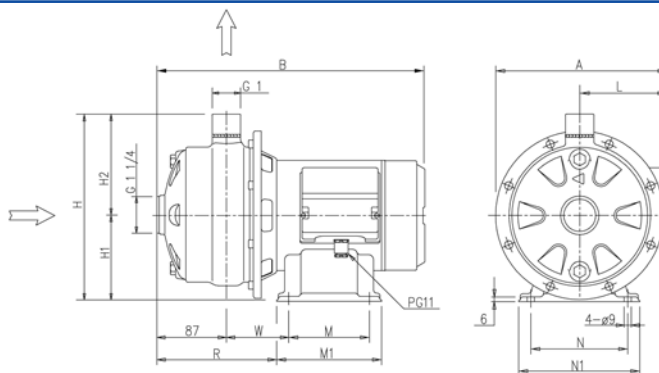


| Modelli Type pumps | Dimensioni / Dimensions [mm] | | | | | | | | | | | | | | | | Peso / Weight [Kg] | | |
|-----------------------|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|--------|---------|
| | A | | B | H | H1 | H2 | L | | M | | M1 | | N | N1 | R | W | DNA | Monof. | Trifase |
| CDM-CD | [1] | [2] | | | | | [1] | [2] | [1] | [2] | [1] | [2] | | | | | | [1] | [2] |
| 70/05 | 206 | 210 | 298 | 229 | 106 | 123 | 102 | 106 | 100 | 100 | 130 | 130 | 120 | 150 | 101 | 63 | G1 1/4 | 9.4 | 9.4 |
| 70/07 | 206 | 210 | 298 | 229 | 106 | 123 | 102 | 106 | 100 | 100 | 130 | 130 | 120 | 150 | 101 | 63 | G1 1/4 | 10.8 | 10.8 |
| 70/12 | 218 | 218 | 328 | 250 | 118 | 132 | 102 | 102 | 100 | 100 | 130 | 130 | 120 | 150 | 131 | 93 | G1 1/4 | 14.1 | 14.1 |
| 90/10 | 206 | 210 | 328 | 229 | 106 | 123 | 102 | 106 | 100 | 100 | 130 | 130 | 120 | 150 | 131 | 93 | G1 1/4 | 12.4 | 12.4 |
| 120/07 | 206 | 210 | 298 | 229 | 106 | 123 | 102 | 106 | 100 | 100 | 130 | 130 | 120 | 150 | 101 | 63 | G1 1/4 | 10.7 | 10.7 |
| 120/12 | 206 | 206 | 328 | 229 | 106 | 123 | 102 | 102 | 100 | 100 | 130 | 130 | 120 | 150 | 101 | 63 | G1 1/4 | 13.3 | 13.3 |
| 120/20 | 226 | 226 | 356 | 250 | 118 | 132 | 110 | 110 | 100 | 100 | 130 | 130 | 120 | 150 | 131 | 93 | G1 1/4 | 17.3 | 17.3 |
| 200/12 | 206 | 206 | 328 | 229 | 106 | 123 | 102 | 102 | 100 | 100 | 130 | 130 | 120 | 150 | 131 | 93 | G1 1/2 | 12.8 | 12.7 |
| 200/20 | 214 | 214 | 356 | 229 | 106 | 123 | 110 | 110 | 120 | 120 | 150 | 150 | 140 | 170 | 133 | 95 | G1 1/2 | 16.7 | 16.7 |
| 200/25 | 226 | - | 366 | 250 | 118 | 132 | - | 110 | 120 | - | 150 | - | 140 | 170 | 138 | 100 | G1 1/2 | - | 17.4 |

[1] Solo per trifase / Only for three phase

[2] Solo per monofase / Only for single phase

2CD



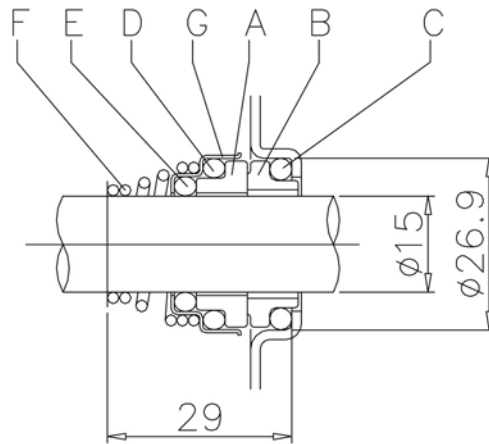
| Modelli Type pumps | Dimensioni / Dimensions [mm] | | | | | | | | | | | | | | Peso / Weight [Kg] | | |
|-----------------------|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|--------------|-------------|
| | A | | B | | H | H1 | H2 | L | | M | M1 | N | N1 | R | W | Monof. | Trifase |
| 2CDM-2CD | [1] | [2] | [1] | [2] | | | | [1] | [2] | | | | | | | Single phase | Three phase |
| 70/10 | 206 | 210 | 363 | 363 | 229 | 106 | 123 | 102 | 106 | 100 | 130 | 120 | 150 | 164 | 93 | 14 | 14 |
| 70/12 | 206 | 206 | 363 | 363 | 229 | 106 | 123 | 102 | 102 | 100 | 130 | 120 | 150 | 164 | 93 | 14.7 | 14.7 |
| 70/15 | 226 | 226 | 393 | 375 | 229 | 106 | 123 | 110 | 110 | 120 | 150 | 140 | 170 | 170 | 95 | 17.8 | 17.8 |
| 70/20 | 214 | 214 | 393 | 393 | 229 | 106 | 123 | 110 | 110 | 120 | 150 | 140 | 170 | 170 | 95 | 19.8 | 18.8 |
| 120/15 | 214 | 214 | 393 | 375 | 229 | 106 | 123 | 110 | 110 | 120 | 150 | 140 | 170 | 170 | 95 | 16.1 | 15.8 |
| 120/20 | 214 | 214 | 393 | 393 | 229 | 106 | 123 | 110 | 110 | 120 | 150 | 140 | 170 | 166 | 95 | 17.8 | 17.5 |

[1] Solo per trifase / Only for three phase

[2] Solo per monofase / Only for single phase

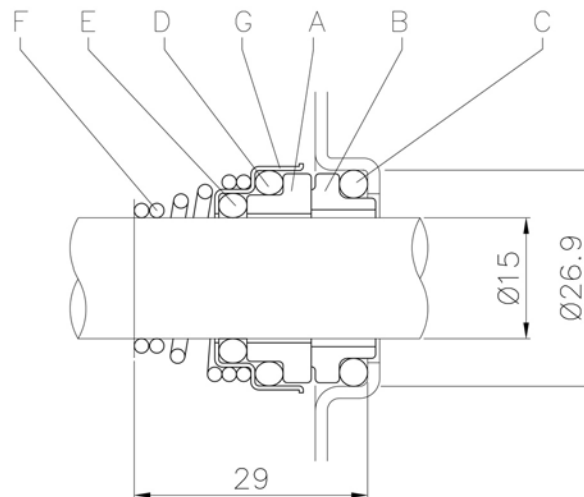
TENUTA MECCANICA / CONSTRUCTIONS

CD



| Ref | Descrizione / Part name | Vers. standard / Standard version (CD) | Materiale / Material | |
|-----|------------------------------------|---|---------------------------|--------------------------------------|
| | | | (CDH) | Optional (CDHS) |
| A | Parte rotante / Rotary seal ring | Ceramica / Ceramic | Ceramica / Ceramic | Carburo di silicio / Silicon carbide |
| B | Parte fissa / Stationary seal ring | Carbone / Carbon graphite | Carbone / Carbon graphite | Carburo di silicio / Silicon carbide |
| C | O Ring | NBR | FPM | FPM |
| D | O Ring | NBR | FPM | FPM |
| E | O Ring | NBR | FPM | FPM |
| F | Molla / Self driving spring | AISI 316 | AISI 316 | AISI 316 |
| G | Armatura / Frame | AISI 304 | AISI 304 | AISI 316 |

2CD



| Ref | Descrizione / Part name | Vers. standard / Standard version (2CD) | Materiale / Material | |
|-----|------------------------------------|--|---------------------------|--------------------------------------|
| | | | (2CDH) | Optional (2CDHS) |
| A | Parte rotante / Rotary seal ring | Ceramica / Ceramic | Ceramica / Ceramic | Carburo di silicio / Silicon carbide |
| B | Parte fissa / Stationary seal ring | Carbone / Carbon graphite | Carbone / Carbon graphite | Carburo di silicio / Silicon carbide |
| C | O Ring | NBR | FPM | FPM |
| D | O Ring | NBR | FPM | FPM |
| E | O Ring | NBR | FPM | FPM |
| F | Molla / Self driving spring | AISI 316 | AISI 316 | AISI 316 |
| G | Armatura / Frame | AISI 304 | AISI 304 | AISI 316 |

CDX-2CDX

Elettropompe centrifughe monogirante e bigirante costruite in acciaio inossidabile AISI 304, con motore asincrono 2 poli autoventilato.

CDX-2CDX

Single and twin impeller centrifugal pumps manufactured from stainless steel AISI 304, 2 poles self-ventilated asynchronous motor.



APPLICAZIONI

DOMESTICHE:

Impianti di Pressurizzazione
Alimentazione idrica
Giardinaggio

AGRICOLTURA

Media e piccola irrigazione a pioggia

INDUSTRIALI

Torri di raffreddamento
Impianti di irrigazione
Impianti di lavaggio
Alimentazione impianti

APPLICATIONS

DOMESTIC:

Booster sets
Water supply systems
Gardening

AGRICULTURE:

Sprinkler irrigation - Water subbly - Washdown

INDUSTRIAL:

Cooling water towers
Irrigation
Washing plants
Water supply systems

CARATTERISTICHE TECNICHE

Corpo pompa in acciaio inox AISI 304 con voluta esterna ottenuta con stampaggio ad espansione.

Giranti con pale saldate a proiezione in acciaio inox AISI 304.

Albero motore completamente in acciaio inox.

Il convogliatore e il diffusore (2CDX) totalmente in acciaio inox AISI 304, garantiscono delle caratteristiche meccaniche ed idrauliche superiori.

Supporto in alluminio (fino a 1.5 kW per 2CDX), in ghisa (da 2.2 kW e oltre); cassa motore in alluminio verniciato.

TECHNICAL FEATURES

The pump body manufactured by the innovative pressing system is made in AISI 304 stainless steel.

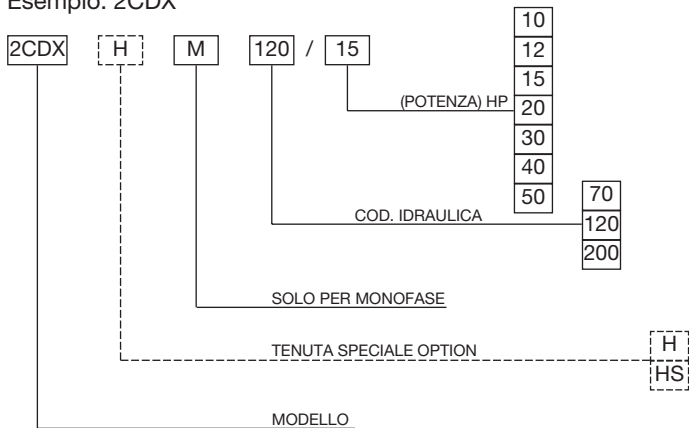
The impellers with blades projection-welded, are made in AISI 304 stainless steel.

Motor shaft completely in stainless steel, which comes in contact with the liquid. The intermediate conveyer and the diffuser (2CDX) are in stainless steel, giving greater strenght and enchanced performance.

Motor bracket in aluminium (up to 1.5 kW for 2CDX), motor bracket in cast iron (from 2.2 kW and above); motor casing made of aluminium.

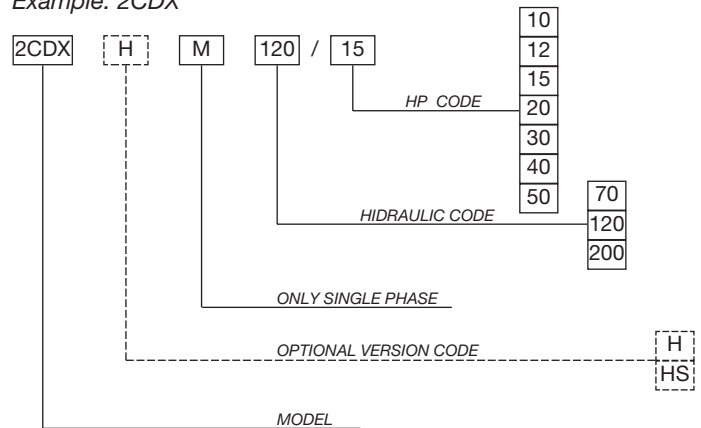
SIGLA IDENTIFICATIVA

Esempio: 2CDX



IDENTIFICATIONAL CODE

Example: 2CDX



SPECIFICHE TECNICHE

SPECIFICATIONS

| POMPA / PUMP | | | | | |
|---|--------------------------------------|---|--|------------------|-----------------|
| Liquido / Liquid Handled | Tipo di liquido / Type of liquid | Acqua pulita / Clean water | | | |
| | Max temperatura / Max temperature | [°C] | 60 (CDX 70/05-70/07-90/10 e / and 2CDX) 90 (CDX 120/07, CDX 120/12, CDX 120/20, CDX 200/12, CDX 200/20, CDX 200/25) 110 (CDXH-CDXHS - 2CDXH-2CDXHS) | | |
| | Temperatura minima / Min temperature | [°C] | -10 | | |
| Pressione massima di esercizio / Maximum working pressure | [MPa] | 0.8 | | | |
| Costruzione / Costruction | Girante / Impeller | Girante chiusa / Closed centrifugal type - Doppia / Twin (2CDX) | | | |
| | Tipo tenuta / Shaft seal type | Tenuta meccanica / Mechanical seal | | | |
| | Cuscinetti / Bearing | Cuscinetti schermati / Sealed ball bearing | | | |
| Conessioni / Pipe connection | Aspirazione / Suction | G1 ^{1/4} (G 1 ^{1/2} CDX 200 - 2CDX 200) | | | |
| | Mandata / Discharge | G1 | | | |
| Materiale / Material | Corpo pompa / Casing | AISI 304 | | | |
| | Girante / Impeller | AISI 304 | | | |
| | Disco P/Tenuta / Casing cover | AISI 304 | | | |
| | Tenuta meccanica / Shaft seal | Ceramica-Carbone-NBR / Ceramic-Carbon-NBR (CDX-2CDX) Ceramica-Carbone-FPM / Ceramic-Carbon-FPM (CDXH-2CDXH) SiC/SiC/FPM (CDXHS - 2CDXHS) | | | |
| | Albero / Shaft | AISI 303 (Wet extension) for CDX / AISI 304 (wet extension) for 2CDX | | | |
| | Supporto / Bracket | Alluminio / Aluminium (CDX) Alluminio / Aluminium (fino a / up to 1.5 kW incluso per / included for 2CDX) Ghisa / Cast iron (2.2 kW e oltre / and above for 2CDX) | | | |
| Diffusore / Diffuser | AISI 304 (2CDX) | | | | |
| Standard di prova / Applicable standard of test | ISO 9906 Annex A | | | | |
| Tipo / Type | Electric - TEFC | | | | |
| | Monofase / Single Phase | | Trifase / Three Phase | | |
| No. di poli / No. of Poles | 2 | | | | |
| R.P.M. / Rotation speed | [min ⁻¹] | ≈ 2800 | | | |
| Grado di protezione / Insulation Class | F | | | | |
| Grado di protezione / Protection degree | IP 55 | | | | |
| Potenze / Power rating | [kW] | 0.37 ÷ 1.5 (CDX) | 0.75 ÷ 1.5 (2CDX) | 0.37 ÷ 1.8 (CDX) | 0.75 ÷ 4 (2CDX) |
| | [HP] | 0.5 ÷ 2 (CDX) | 1 ÷ 2 (2CDX) | 0.5 ÷ 2.5 (CDX) | 1 ÷ 5.5 (2CDX) |
| Frequenza / Frequency | [Hz] | 50 | | | |
| Voltaggio / Voltage | [V] | 230 ± 10% | | 230/400 ± 10% | |
| Condensatore / Capacitor | Incorporato / Built in | | - | | |
| Protezione / Over load protection | Incorporato / Built in | | A cura dell'utente / Provided by the user | | |
| Materiale del corpo pompa / Casing material | Aluminium | | | | |
| Materiale base/supporto motore Base material/motor support | Aluminium | | | | |
| Dimensioni cavo / Dimensions of cable entry | PG11 - PG13.5 - PG16 (2CDX) | | | | |

CAMPO DI IMPIEGO / SELECTION CHART

CDX

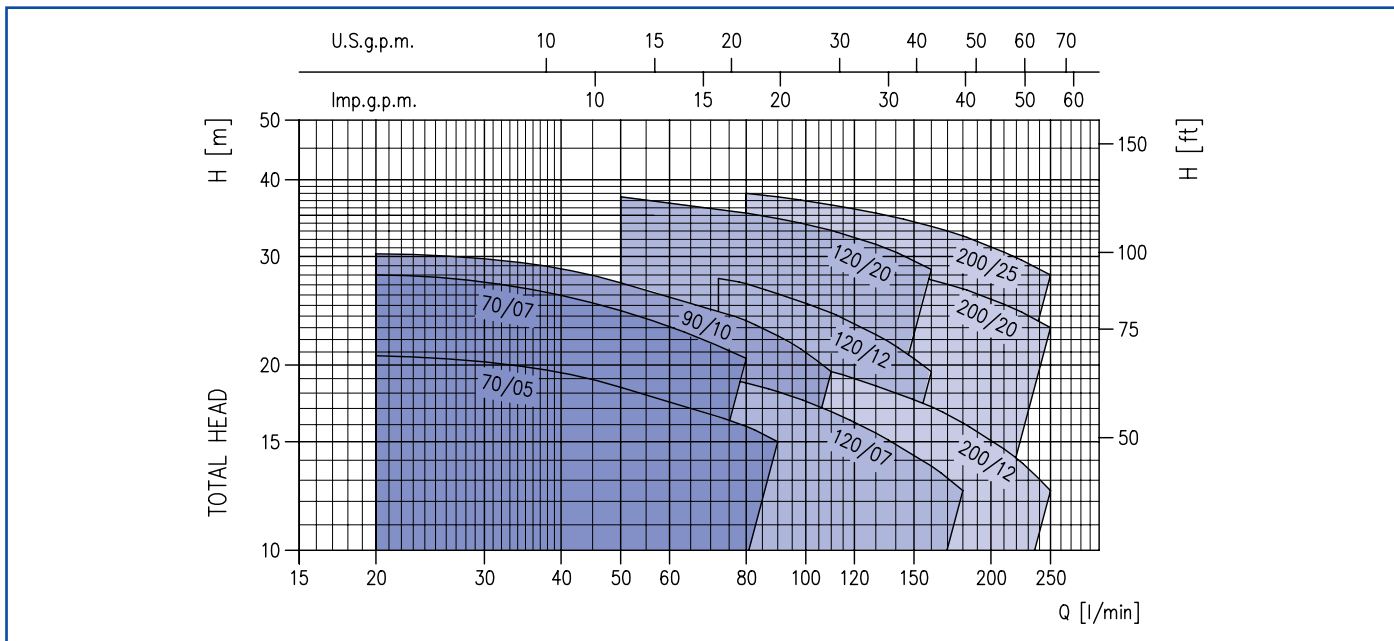


TABELLA PRESTAZIONI / PERFORMANCE TABLE

| Modelli Type pumps | | Potenza Power | | Q = Portata/Capacity | | | | | | | | | |
|--------------------------|------------------------|------------------|-----|-----------------------|------|------|------|------|------|------|------|------|------|
| Monofase Single phase | Trifase Three phase | kW | HP | l/min 20 | 50 | 80 | 90 | 110 | 130 | 160 | 180 | 210 | 250 |
| | | | | m ³ /h 1.2 | 3 | 4.8 | 5.4 | 6.6 | 7.8 | 9.6 | 10.8 | 12.6 | 15 |
| CDXM 70/05 | CDX 70/05 | 0.37 | 0.5 | 20.7 | 18.4 | 15.9 | 15 | - | - | - | - | - | - |
| CDXM 70/07 | CDX 70/07 | 0.55 | 0.8 | 28 | 24.5 | 20.5 | - | - | - | - | - | - | - |
| CDXM 90/10 | CDX 90/10 | 0.75 | 1 | 30.3 | 27.2 | 23.6 | 22.3 | 19.5 | - | - | - | - | - |
| CDXM 120/07 | CDX 120/07 | 0.55 | 0.8 | - | 20.5 | 18.7 | 18.1 | 16.8 | 15.5 | 13.7 | 12.5 | - | - |
| CDXM 120/12 | CDX 120/12 | 0.9 | 1.2 | - | 29.5 | 27.1 | 26.1 | 24.3 | 22.4 | 19.5 | - | - | - |
| CDXM 120/20 | CDX 120/20 | 1.5 | 2 | - | 37.5 | 35.3 | 34.6 | 33.1 | 31.4 | 28.6 | - | - | - |
| CDXM 200/12 | CDX 200/12 | 0.9 | 1.2 | - | - | 20.6 | 20.2 | 19.5 | 18.5 | 17.1 | 16.1 | 14.6 | 12.5 |
| CDXM 200/20 | CDX 200/20 | 1.5 | 2 | - | - | 31 | 30.6 | 29.7 | 28.9 | 27.5 | 26.6 | 25.1 | 23 |
| - | CDX 200/25 | 1.8 | 2.5 | - | - | 38 | 37.5 | 36.4 | 35.3 | 33.6 | 32.4 | 30.5 | 28 |

H = Prevalenza manometrica totale in m.c.a.
H = Total manometric head in meters

CAMPO DI IMPIEGO / SELECTION CHART

2CDX

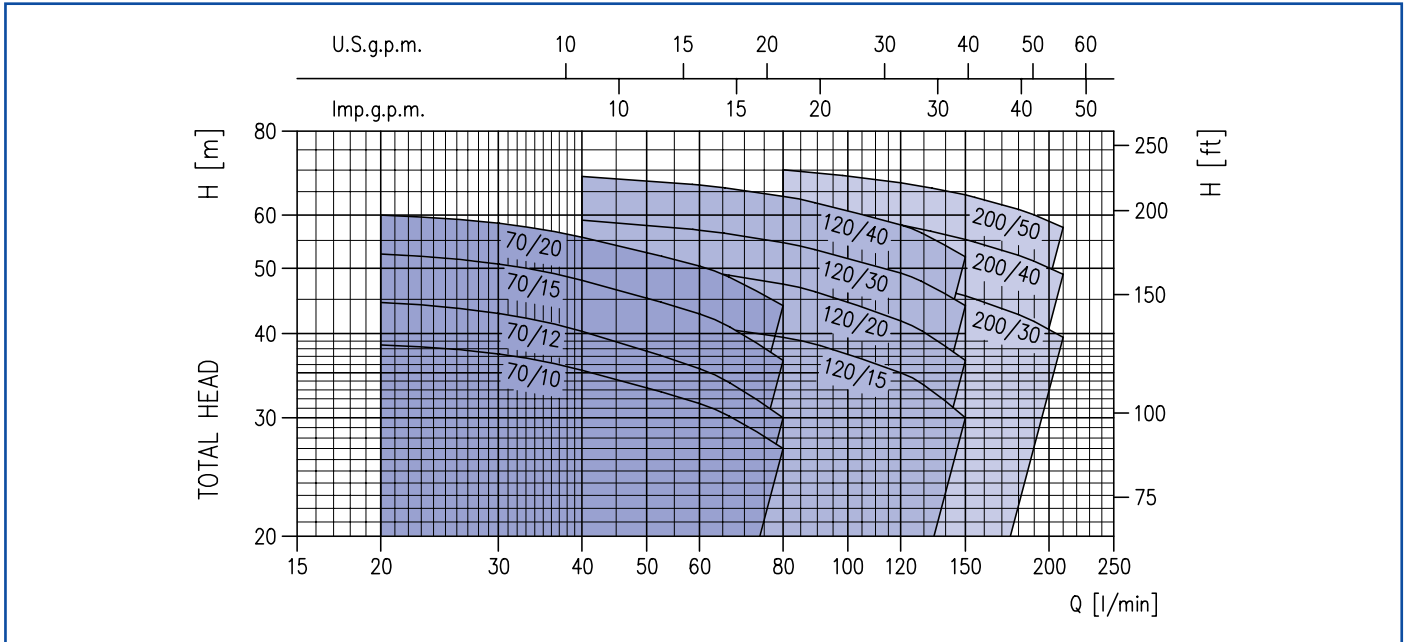


TABELLA PRESTAZIONI / PERFORMANCE TABLE

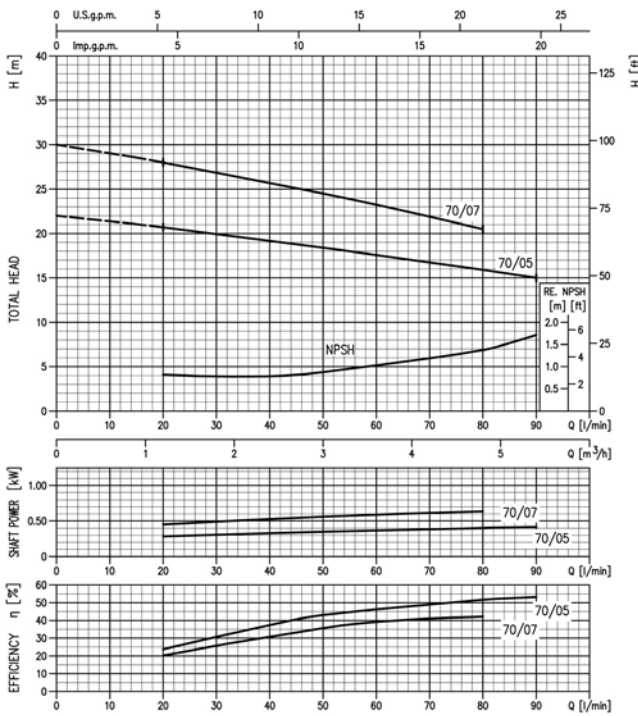
| Modelli Type pumps | | Potenza Power | | Q = Portata/Capacity | | | | | | | | |
|--|------------------------|------------------|-----|----------------------|------|------|------|------|------|------|------|------|
| Monofase Single phase | Trifase Three phase | kW | HP | l/min | 20 | 40 | 60 | 80 | 120 | 150 | 180 | 210 |
| | | | | m ³ /h | 1.2 | 2.4 | 3.6 | 4.8 | 7.2 | 9.0 | 10.8 | 12.6 |
| H = Prevalenza manometrica totale in m.c.a. H = Total manometric head in meters | | | | | | | | | | | | |
| 2CDXM 70/10 | 2CDX 70/10 | 0.75 | 1 | 38.5 | 35.3 | 31.5 | 27 | - | - | - | - | - |
| 2CDXM 70/12 | 2CDX 70/12 | 0.9 | 1.2 | 44.5 | 40.3 | 35.5 | 30 | - | - | - | - | - |
| 2CDXM 70/15 | 2CDX 70/15 | 1.1 | 1.5 | 52.5 | 48 | 42.8 | 36.5 | - | - | - | - | - |
| 2CDXM 70/20 | 2CDX 70/20 | 1.5 | 2 | 60 | 55.6 | 50.4 | 44 | - | - | - | - | - |
| 2CDXM 120/15 | 2CDX 120/15 | 1.1 | 1.5 | - | 42 | 41 | 39.5 | 35 | 30 | - | - | - |
| 2CDXM 120/20 | 2CDX 120/20 | 1.5 | 2 | - | 51.5 | 49.5 | 47.4 | 41.8 | 36.5 | - | - | - |
| - | 2CDX 120/30 | 2.2 | 3 | - | 59 | 57 | 54.6 | 49.2 | 44 | - | - | - |
| - | 2CDX 120/40 | 3 | 4 | - | 68.5 | 66.5 | 64 | 58 | 52 | - | - | - |
| - | 2CDX 200/30 | 2.2 | 3 | - | - | 52 | 50.8 | 48.1 | 45.5 | 42.7 | 39.5 | - |
| - | 2CDX 200/40 | 3 | 4 | - | - | 62.5 | 61.1 | 58 | 55.2 | 52.3 | 49 | - |
| - | 2CDX 200/50 | 3.7 | 5.5 | - | - | 71.5 | 70.1 | 67 | 64.3 | 61.2 | 57.5 | - |

CURVE DI PRESTAZIONE / PERFORMANCE CURVES

CDX

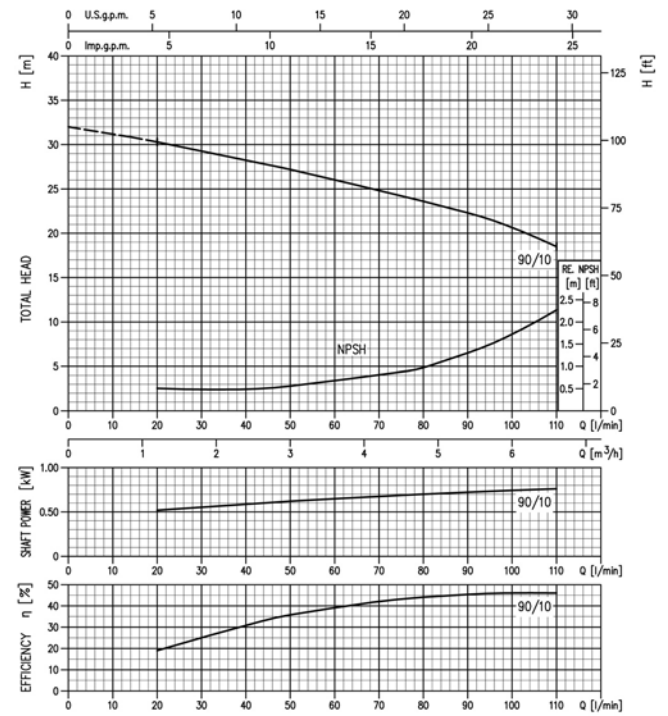
CDX 70

CDX 70/05 (0.37 kW) Diam. Girante / Impeller diameter = 132
 CDX 70/07 (0.55 kW) Diam. Girante / Impeller diameter = 157



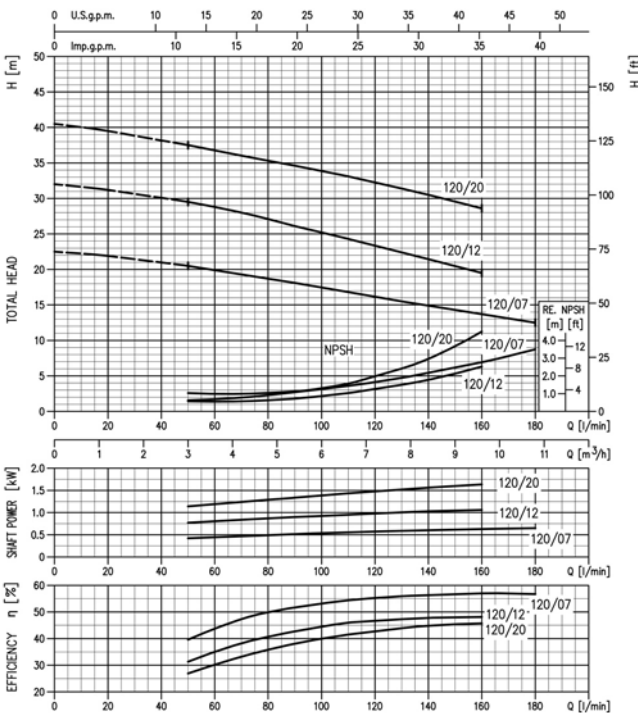
CDX 90

CDX 90/10 (0.75 kW) Diam. Girante / Impeller diameter = 157



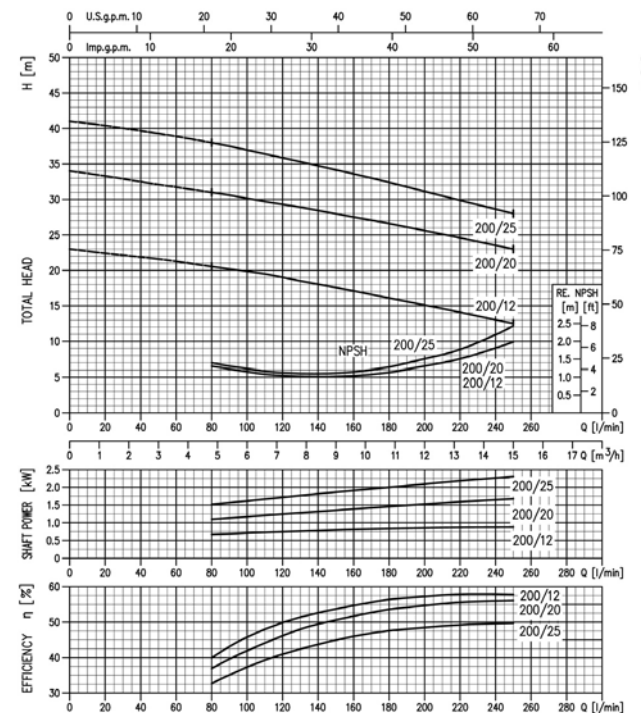
CDX 120

CDX 120/07 (0.55 kW) Diam. Girante / Impeller diameter = 132
 CDX 120/12 (0.90 kW) Diam. Girante / Impeller diameter = 157
 CDX 120/20 (1.50 kW) Diam. Girante / Impeller diameter = 176



CDX 200

CDX 200/12 (0.9 kW) Diam. Girante / Impeller diameter = 132
 CDX 200/20 (1.5 kW) Diam. Girante / Impeller diameter = 157
 CDX 200/25 (1.8 kW) Diam. Girante / Impeller diameter = 176



Velocità di rotazione/R.P.M. $\approx 2800 \text{ min}^{-1}$
 Fluido di prova/Test fluid: Acqua pulita/Clean water 20°C
 Tolleranza secondo/Applicable standard: ISO 9906 Allegato/Annex A

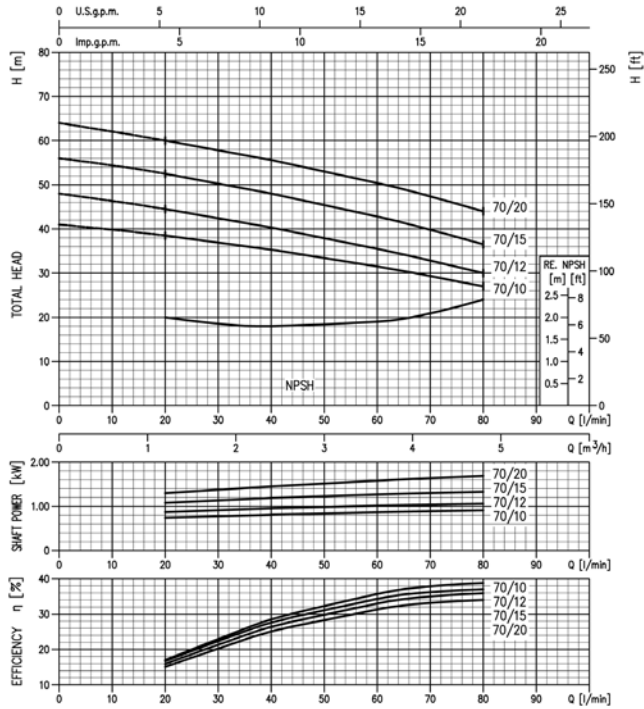


CURVE DI PRESTAZIONE / PERFORMANCE CURVES

2CDX

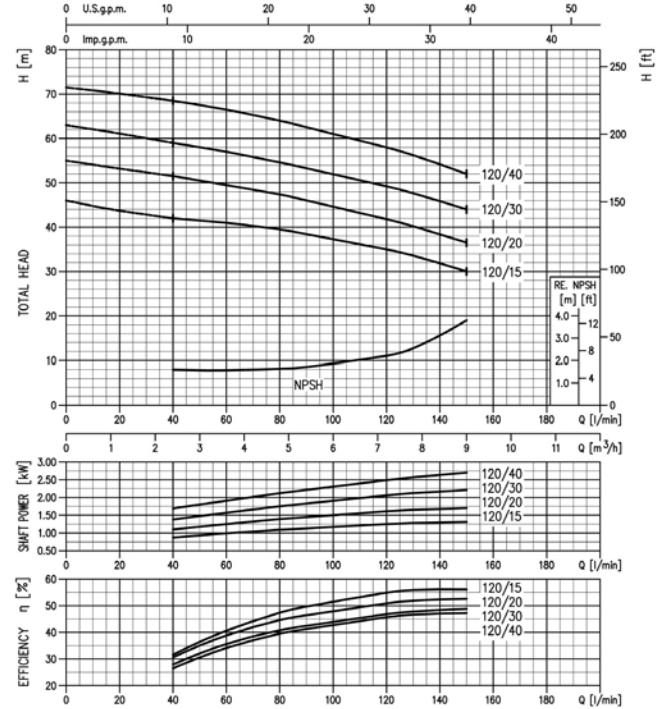
2CDX 70

2CDX 70/10 (0.75 kW) Diam. Girante / Impeller diameter = 132/132
 2CDX 70/12 (0.9 kW) Diam. Girante / Impeller diameter = 153/132
 2CDX 70/15 (1.10 kW) Diam. Girante / Impeller diameter = 153/153
 2CDX 70/20 (1.50 kW) Diam. Girante / Impeller diameter = 153/176



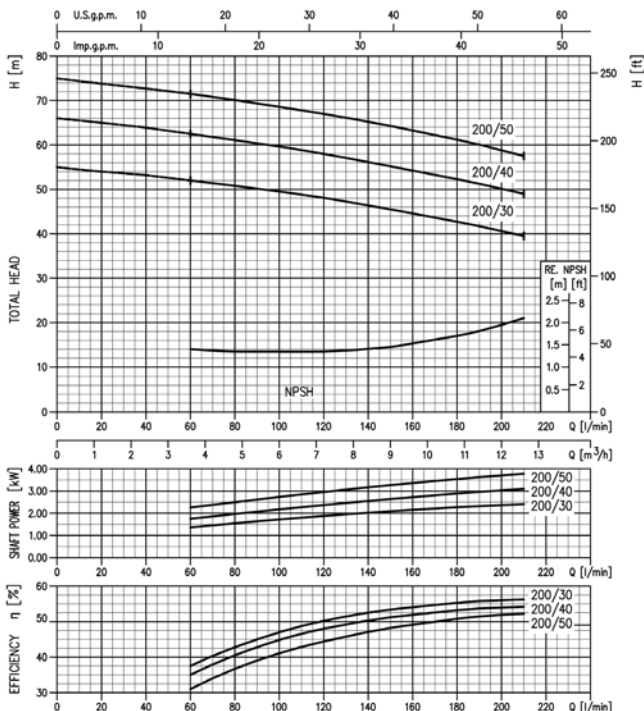
2CDX 120

2CDX 120/15 (1.10 kW) Diam. Girante / Impeller diameter = 132/132
 2CDX 120/20 (1.50 kW) Diam. Girante / Impeller diameter = 157/132
 2CDX 120/30 (2.20 kW) Diam. Girante / Impeller diameter = 157/157
 2CDX 120/40 (3.00 kW) Diam. Girante / Impeller diameter = 176/157



2CDX 200

2CDX 200/30 (2.20 kW) Diam. Girante / Impeller diameter = 157/132
 2CDX 200/40 (3.00 kW) Diam. Girante / Impeller diameter = 157/157
 2CDX 200/50 (3.70 kW) Diam. Girante / Impeller diameter = 176/157



Velocità di rotazione/R.P.M. ≈ 2800 min⁻¹

Fluido di prova/Test fluid: Acqua pulita/Clean water 20°C

Tolleranza secondo/Applicable standard: ISO 9906 Allegato/Annex A

DATI TECNICI / TECHNICAL DATA

CDX

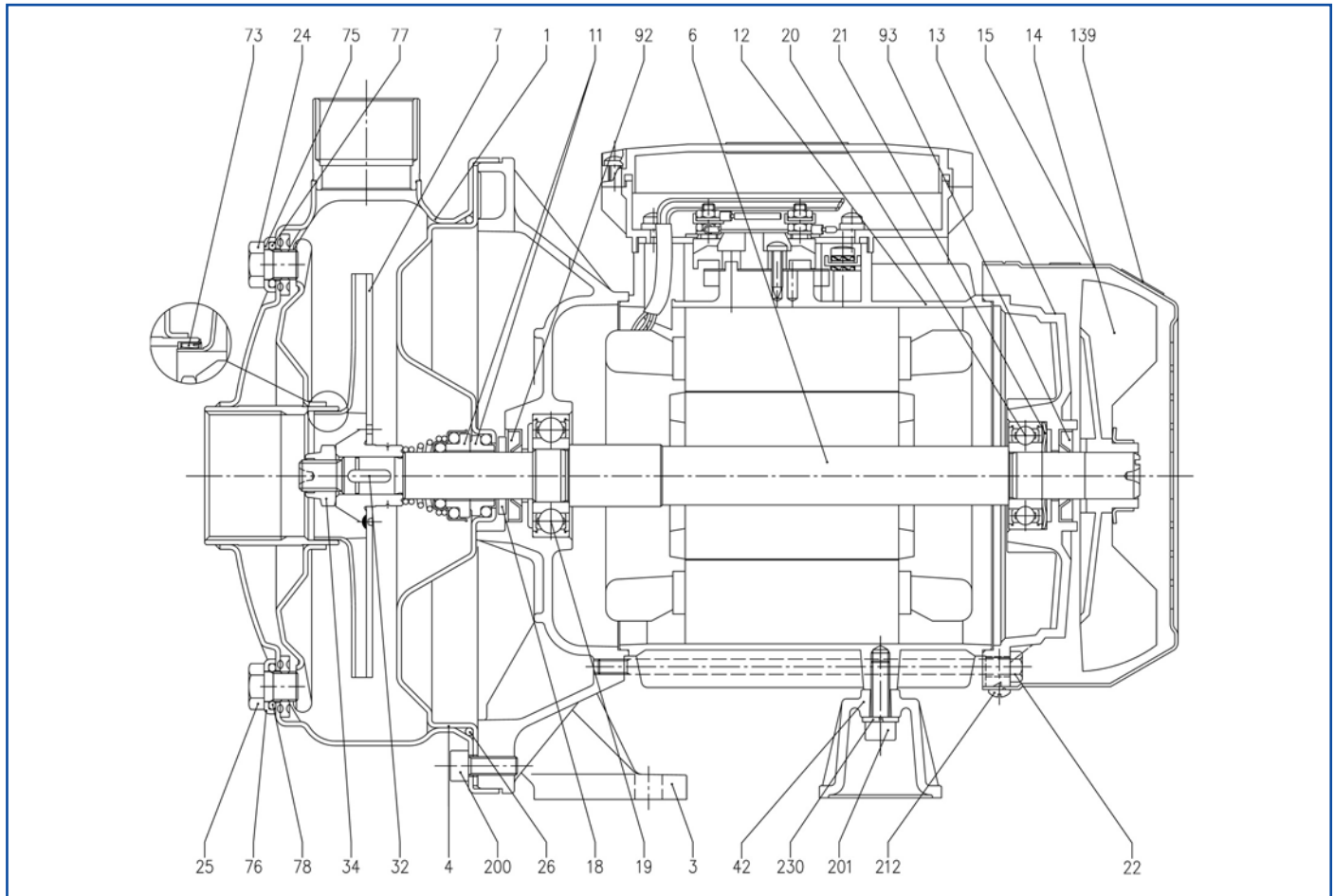
| Modelli Type pumps | | Potenza Power | | Corrente a pieno carico Locked rotor current | | | Condensatore Capacitor | | Potenza ass. Input | | Corrente a pieno carico Full load current | | |
|--------------------------|------------------------|------------------|------|---|------------------------|----------------|---------------------------|-------|---------------------------|---------------------------|--|------------------------|-------|
| Monofase Single phase | Trifase Three phase | [kW] | [HP] | Monofase Single phase | Trifase Three phase | | Monofase Single phase | | Monof. Single Phase | Trifase Three Phase | Monof. Single Phase | Trifase Three phase | |
| 230 V 50 Hz | 230/400 V 50 Hz | | | 230 V 50 Hz | 230 V 50 Hz | 400 V 50 Hz | [μF] | Vc[V] | | | | 230 V | 400 V |
| CDXM 70/05 | CDX 70/05 | 0.37 | 0.5 | 10.1 | 10.7 | 6.15 | 12.5 | 450 | 0.7 | 0.7 | 3.1 | 2.4 | 1.4 |
| CDXM 70/07 | CDX 70/07 | 0.55 | 0.75 | 16.1 | 16.8 | 9.7 | 16 | 450 | 1 | 1 | 4.6 | 3.5 | 2 |
| CDXM 90/10 | CDX 90/10 | 0.75 | 1 | 22.7 | 24.1 | 13.9 | 20 | 450 | 1.2 | 1.1 | 5.6 | 4 | 2.3 |
| CDXM 120/07 | CDX 120/07 | 0.55 | 0.75 | 16.1 | 16.8 | 9.7 | 16 | 450 | 1 | 1 | 4.6 | 3.2 | 1.9 |
| CDXM 120/12 | CDX 120/12 | 0.9 | 1.2 | 25 | 28.2 | 16.3 | 31.5 | 450 | 1.6 | 1.6 | 6.9 | 5.2 | 3 |
| CDXM 120/20 | CDX 120/20 | 1.5 | 2 | 43 | 41.6 | 24 | 40 | 450 | 2.1 | 2.1 | 9.3 | 7 | 4 |
| CDXM 200/12 | CDX 200/12 | 0.9 | 1.2 | 25 | 28.2 | 16.3 | 31.5 | 450 | 1.4 | 1.3 | 6.3 | 4.7 | 2.7 |
| CDXM 200/20 | CDX 200/20 | 1.5 | 2 | 43 | 41.6 | 24 | 40 | 450 | 2.3 | 2.1 | 10.7 | 7 | 4 |
| - | CDX 200/25 | 1.8 | 2.5 | - | 46.8 | 27 | - | - | - | 2.8 | - | 8.2 | 4.8 |

2CDX

| Modelli Type pumps | | Potenza Power | | Cuscinetti Ball bearing | | Condensatore Capacitor | | Potenza ass. Input | | Corrente a pieno carico Full load current | | |
|--------------------------|------------------------|------------------|------|----------------------------|--------------------------|---------------------------|-------|---------------------------|---------------------------|--|------------------------|-------|
| Monofase Single phase | Trifase Three phase | [kW] | [HP] | Lato pompa Pump side | Lato ventola Fan side | Monofase Single phase | | Monof. Single Phase | Trifase Three Phase | Monof. Single Phase | Trifase Three phase | |
| 230 V 50 Hz | 230/400 V 50 Hz | | | | | [μF] | Vc[V] | | | | 230 V | 400 V |
| 2CDXM 70/10 | 2CDX 70/10 | 0.75 | 1 | 6203 ZZ | 6202 ZZ | 20 | 450 | 1.30 | 1.18 | 6.0 | 4.0 | 2.3 |
| 2CDXM 70/12 | 2CDX 70/12 | 0.9 | 1.2 | 6203 ZZ | 6202 ZZ | 31.5 | 450 | 1.50 | 1.50 | 7.0 | 5.0 | 2.9 |
| 2CDXM 70/15 | 2CDX 70/15 | 1.1 | 1.5 | 6204 ZZ | 6203 ZZ | 35 | 450 | 1.80 | 1.64 | 8.0 | 5.6 | 3.2 |
| 2CDXM 70/20 | 2CDX 70/20 | 1.5 | 2 | 6204 ZZ | 6203 ZZ | 40 | 450 | 2.30 | 2.20 | 9.9 | 7.0 | 4.0 |
| 2CDXM 120/15 | 2CDX 120/15 | 1.1 | 1.5 | 6204 ZZ | 6203 ZZ | 35 | 450 | 1.80 | 1.70 | 8.3 | 5.6 | 3.2 |
| 2CDXM 120/20 | 2CDX 120/20 | 1.5 | 2 | 6204 ZZ | 6203 ZZ | 40 | 450 | 2.35 | 2.20 | 10.2 | 7.0 | 4.0 |
| - | 2CDX 120/30 | 2.2 | 3 | 6305 ZZ | 6205 ZZ | - | - | - | 2.85 | - | 8.7 | 5.0 |
| - | 2CDX 120/40 | 3 | 4 | 6305 ZZ | 6205 ZZ | - | - | - | 3.50 | - | 10.8 | 6.2 |
| - | 2CDX 200/30 | 2.2 | 3 | 6205 ZZ | 6205 ZZ | - | - | - | 3.05 | - | 10.4 | 6.0 |
| - | 2CDX 200/40 | 3 | 4 | 6305 ZZ | 6205 ZZ | - | - | - | 3.85 | - | 11.4 | 6.6 |
| - | 2CDX 200/50 | 3.7 | 5 | 6206 ZZ | 6205 ZZ | - | - | - | 4.60 | - | 15.0 | 8.7 |

VISTA IN SEZIONE / SECTIONAL VIEW

CDX



| POS. N° | DESCRIZIONE PART NAME | MATERIALE MATERIAL | Q.TA Q.TY | POS. N° | DESCRIZIONE PART NAME | MATERIALE MATERIAL | Q.TA Q.TY |
|---------|---|---|--------------|---------|---|--------------------------------------|--------------|
| 1 | Corpo pompa / Casing | AISI 304 | 1 | 24 | Tappo / Priming plug | AISI 303 | 1 |
| 3 | Supporto motore / Motor bracket | Alluminio / Aluminium | 1 | 25 | Tappo / Drain plug | AISI 303 | 1 |
| 4 | Disco P/Tenuta / Casing cover | AISI 304 | 1 | 26 | O-ring [3] | NBR | 1 |
| 6 | Albero rotore / Shaft with rotor | AISI 303 (Parte in contatto con il liquido) / (Part in contact with liquid) | 1 | 32 | Linguetta / Key | AISI 304 | 1 |
| 7 | Girante / Impeller | AISI 304 | 1 | 34 | Dado Aut. / Impeller nut | AISI 304 | 1 |
| 11 | Ten. meccanica / Mechanical seal [3] | Ceramica/Carbone/NBR Ceramic/Carbon/NBR | 1 | 42 | Piedino / Motor support | Alluminio / Aluminium | 1 |
| 12 | Cassa motore / Motor frame with stator | - | 1 | 52 | Morsettiera / Terminal box [1] | Polipropilene / Polypropilene | 1 |
| 13 | Coperchio motore / Motor cover | Alluminio / Aluminium | 1 | 53 | Coprimorsettiera / Terminal box cover [1] | Polipropilene / Polypropilene | 1 |
| 14 | Ventola / Fan | Polipropilene / Polypropilene | 1 | 56 | Guarniz. coprim. / Box gasket | NBR | 1 |
| 15 | Copriventola / Fan cover | Fe P04 Zincato / Zinked | 1 | 73 | Anello rasam. / Casing ring [4] | AISI 304 | 1 |
| 16 | Morsettiera / Terminal board | - | 1 | 75 | Rondella / Washer | AISI 304 | 1 |
| 17 | Coprimorsettiera / Terminal box cover [2] | Alluminio / Aluminium | 1 | 76 | Rondella / Washer | AISI 304 | 1 |
| 18 | Rondella paraspruzzi / Splash ring | NBR | 1 | 77 | O-ring [3] | NBR | 1 |
| 19 | Cuscinetto lato pompa / Pump side ball bearing | - | 1 | 78 | O-ring [3] | NBR | 1 |
| 20 | Cuscinetto lato ventola / Fan side ball bearing | - | 1 | 90 | Guarn. sc/porta morsett. / Cover gasket [1] | NBR | 1 |
| 21 | Anello compensatore / Adjusting ring | Acciaio / Steel C70 | 1 | 92 | Anello ten. / Lip seal | - | 1 |
| 22 | Tirante / Tie rod | Zincato / Zinked Fe 42 | 4 | 93 | Anello ten. / Lip seal | - | 1 |
| 23 | Condensatore / Capacitor [1] | - | 1 | 110 | Protettore / Protector [1] | - | 1 |
| | | | | 200 | Vite / Screw | Acciaio / Stainless steel A2 UNI7323 | 8 |
| | | | | - | - | - | - |

[1] Solo per versione monofase / Only for single phase

[2] Solo per versione trifase / Only for three phase

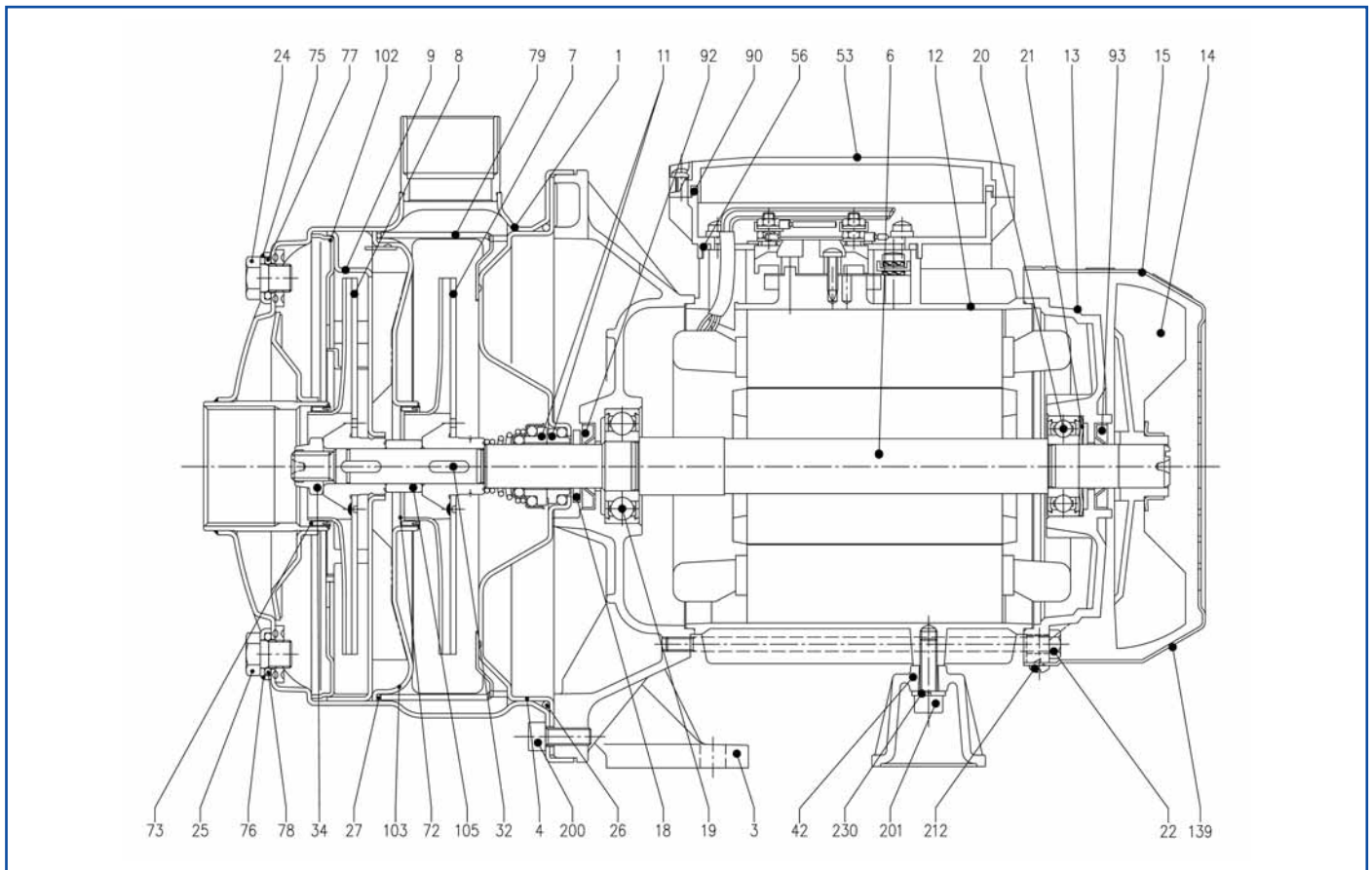
[3] FPM per/for CDXH e/and CDXHS

[4] NBR per/for: CDX 70/05, 70/07, 90/10

FPM per/for: CDXH 70/05, 70/07, 90/10 e/and CDXHS 70/05, 70/07, 90/10

DATI / TECHNICAL DATA

2CDX



| POS. N° | DESCRIZIONE PART NAME | MATERIALE MATERIAL | Q.TA Q.TY | POS. N° | DESCRIZIONE PART NAME | MATERIALE MATERIAL | Q.TA Q.TY |
|---------|---|---|--------------|---------|--|--------------------------------------|--------------|
| 1 | Corpo pompa / Casing | AISI 304 | 1 | 24 | Tappo / Priming plug | AISI 303 | 1 |
| 3 | Supporto motore / Motor bracket | Alluminio / Aluminium (fino a / up to 1.5 kW incluso / included) | 1 | 25 | Tappo / Drain plug | AISI 303 | 1 |
| | | Ghisa / Cast iron (per / for 2.2 kW e oltre / and above) | | 26 | O-ring [3] | NBR | 1 |
| | | | | 27 | O-ring [3] | NBR | 1 |
| | | | | 32 | Linguetta / Key | AISI 304 | 1 |
| 4 | Disco P/Tenuta / Casing cover | AISI 304 | 1 | 34 | Dado Aut. / Impeller nut | AISI 304 | 1 |
| 6 | Albero rotore / Shaft with rotor | AISI 304 (Parte in contatto con il liquido) / (Part in contact with liquid) | 1 | 42 | Piedino / Motor support | Alluminio / Aluminium | 1 |
| 7 | Girante / Impeller | AISI 304 | 1 | 52 | Morsettiera / Terminal box [1] | Polipropilene / Polypropilene | 1 |
| 8 | Girante / Impeller | AISI 304 | 1 | 53 | Coprimorsettiera / Terminal box cover [1] | Polipropilene / Polypropilene | 1 |
| 9 | Diffusore / Diffuser | AISI 304 | 1 | 56 | Guarniz. coprim. / Box gasket | NBR | 1 |
| 11 | Ten. meccanica / Mechanical seal [3] | Ceramica/Carbone/NBR Ceramic/Carbon/NBR | 1 | 72 | Anello rasam. / Casing ring [3] | NBR | 1 |
| | | | | 73 | Anello rasam. / Casing ring [3] | NBR | 1 |
| | | | | 75 | Rondella / Washer | AISI 304 | 1 |
| 12 | Cassa motore / Motor frame with stator | - | 1 | 76 | Rondella / Washer | AISI 304 | 1 |
| 13 | Coperchio motore / Motor cover | Alluminio / Aluminium | 1 | 77 | O-ring [3] | NBR | 1 |
| 14 | Ventola / Fan | Polipropilene / Polypropilene | 1 | 78 | O-ring [3] | NBR | 1 |
| 15 | Copriventola / Fan cover | Fe P04 Zincato / Zinked | 1 | 79 | Distanziale defusore / Space diffuser | AISI 304 | 1 |
| 16 | Morsettiera / Terminal box | - | 1 | 90 | Guam. sc/porta morsett. / Cover gasket [1] | NBR | 1 |
| 17 | Coprimorsettiera / Terminal box cover [2] | Alluminio / Aluminium | 1 | 92 | Anello ten. / Lip seal | - | 1 |
| 18 | Rondella paraspruzzi / Splash ring | NBR | 1 | 93 | Anello ten. / Lip seal | - | 1 |
| 19 | Cuscinetto lato pompa / Pump side ball bearing | - | 1 | 102 | Coperchio diffusore / Suction cover | AISI 304 | 1 |
| 20 | Cuscinetto lato ventola / Fan side ball bearing | - | 1 | 103 | Coperchio convogl. / Conveyor cover | AISI 304 | 1 |
| 21 | Anello compensatore / Adjusting ring | Acciaio / Steel C70 | 1 | 105 | Dist. gir. / Sleeve | AISI 304 | 1 |
| 22 | Tirante / Tie rod | Zincato / Zinked Fe 42 | 4 | 110 | Protettore / Protector [1] | - | 1 |
| 23 | Condensatore / Capacitor [1] | - | 1 | 200 | Vite / Screw | Acciaio / Stainless steel A2 UNI7323 | 8 |

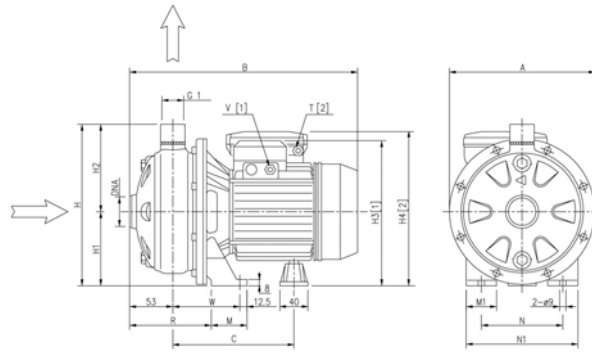
[1] Solo per versione monofase / Only for single phase

[2] Solo per versione trifase / Only for three phase

[3] FPM per/for 2CDXH e/and 2CDXHS

DIMENSIONI / DIMENSIONS

CDX

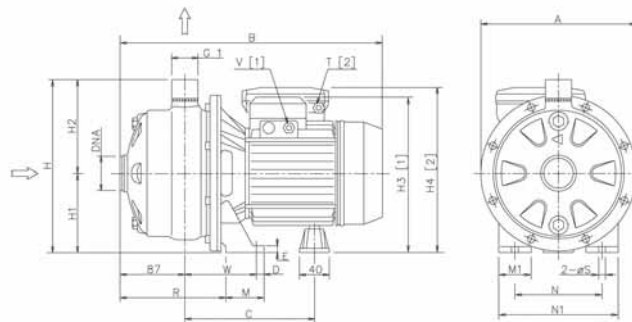


| Modelli Type pumps | Dimensioni / Dimensions [mm] | | | | | | | | | | | | | | | | Peso / Weight [Kg] | | |
|-----------------------|------------------------------|-----|-----|-------|-----|-------|-----|-----|----|----|-----|-----|-------|--------|------|--------|---------------------------|---------------------------|--|
| | A | B | C | H | H1 | H2 | H3 | H4 | M | M1 | N | N1 | R | T | W | DNA | Monof. Single phase | Trifase Three phase | |
| CDXM-CDX | | | | | | | | | | | | | | | | | | | |
| 70/05 | 208 | 318 | 178 | 229.5 | 106 | 123.5 | 209 | 215 | 50 | 38 | 120 | 160 | 108 | PG11 | 92.5 | G1 1/4 | 9.1 | 9.1 | |
| 70/07 | 208 | 318 | 178 | 229.5 | 106 | 123.5 | 209 | 215 | 50 | 38 | 120 | 160 | 108 | PG11 | 92.5 | G1 1/4 | 10.4 | 10.4 | |
| 90/10 | 208 | 318 | 178 | 229.5 | 106 | 123.5 | 209 | 215 | 50 | 38 | 120 | 160 | 108 | PG11 | 92.5 | G1 1/4 | 11.9 | 11.9 | |
| 120/07 | 208 | 318 | 178 | 229.5 | 106 | 123.5 | 209 | 215 | 50 | 38 | 120 | 160 | 108 | PG11 | 92.5 | G1 1/4 | 10.4 | 10.4 | |
| 120/12 | 208 | 318 | 178 | 229.5 | 106 | 123.5 | 209 | 215 | 50 | 38 | 120 | 160 | 108 | PG13.5 | 92.5 | G1 1/4 | 12.5 | 12.5 | |
| 120/20 | 232 | 345 | 199 | 250 | 118 | 132 | 235 | 253 | 55 | 40 | 140 | 180 | 105.5 | PG13.5 | 95 | G1 1/4 | 17.2 | 16.2 | |
| 200/12 | 208 | 318 | 178 | 229.5 | 106 | 123.5 | 209 | 215 | 50 | 38 | 120 | 160 | 108 | PG13.5 | 92.5 | G1 1/2 | 16.3 | 11.4 | |
| 200/20 | 208 | 345 | 199 | 229.5 | 106 | 123.5 | 223 | 240 | 55 | 40 | 140 | 180 | 105.5 | PG13.5 | 95 | G1 1/2 | 15.3 | 14.2 | |
| 200/25 | 232 | 345 | 199 | 250 | 118 | 132 | 235 | - | 55 | 40 | 140 | 180 | 105.5 | - | 95 | G1 1/2 | - | 17 | |

[1] Solo per trifase / Only for three phase

[2] Solo per monofase / Only for single phase

2CDX



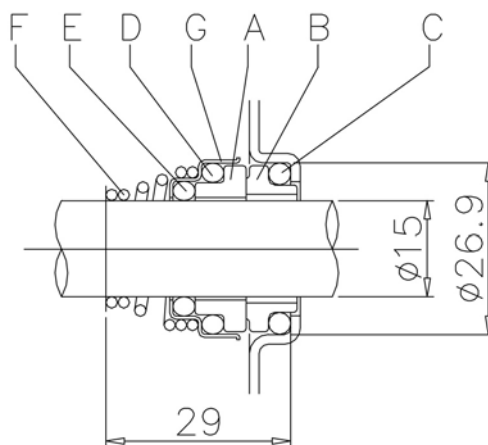
| Modelli Type pumps | Dimensioni / Dimensions [mm] | | | | | | | | | | | | | | | | | | | Peso / Weight [Kg] | | |
|-----------------------|------------------------------|-----|-----|------|----|-----|-----|-----|-----|-----|----|----|-----|-----|-------|---------|---------|-----|----|--------------------|---------------------------|---------------------------|
| | A | B | C | D | E | H | H1 | H2 | H3 | H4 | M | M1 | N | N1 | R | T | V | W | S | DNA | Monof. Single phase | Trifase Three phase |
| 2CDXM-2CDX | | | | | | | | | | | | | | | | | | | | | | |
| 70/10 | 208 | 355 | 169 | 12.5 | 8 | 229 | 106 | 123 | 206 | 210 | 50 | 38 | 120 | 160 | 142.5 | PG 11 | PG 11 | 93 | 9 | G1 1/4 | 13.5 | 13.3 |
| 70/12 | 208 | 355 | 169 | 12.5 | 8 | 229 | 106 | 123 | 206 | 231 | 50 | 38 | 120 | 160 | 142.5 | PG 13.5 | PG 11 | 93 | 9 | G1 1/4 | 14.2 | 13.8 |
| 70/15 | 232 | 385 | 199 | 12.5 | 8 | 250 | 118 | 132 | 238 | 251 | 55 | 40 | 140 | 180 | 140 | PG 13.5 | PG 11 | 95 | 9 | G1 1/4 | 17.4 | 16.4 |
| 70/20 | 232 | 385 | 199 | 12.5 | 8 | 250 | 118 | 132 | 238 | 251 | 55 | 40 | 140 | 180 | 140 | PG 13.5 | PG 11 | 95 | 9 | G1 1/4 | 18.6 | 18.2 |
| 120/15 | 208 | 380 | 199 | 12.5 | 8 | 229 | 106 | 123 | 226 | 239 | 55 | 40 | 140 | 180 | 140 | PG 13.5 | PG 11 | 95 | 9 | G1 1/4 | 15.5 | 15.3 |
| 120/20 | 208 | 380 | 199 | 12.5 | 8 | 229 | 106 | 123 | 226 | 239 | 55 | 40 | 140 | 180 | 140 | PG 13.5 | PG 11 | 95 | 9 | G1 1/4 | 18 | 16.9 |
| 120/30 | 232 | 393 | 210 | 12.5 | 8 | 250 | 118 | 132 | 242 | - | 65 | 40 | 140 | 180 | 144 | - | PG 13.5 | 109 | 9 | G1 1/4 | - | 23.2 |
| 120/40 | 232 | 394 | 210 | 12.5 | 8 | 250 | 118 | 132 | 242 | - | 65 | 40 | 140 | 180 | 144 | - | PG 13.5 | 109 | 9 | G1 1/4 | - | 26.4 |
| 200/30 | 208 | 394 | 210 | 12.5 | 8 | 229 | 106 | 123 | 230 | - | 65 | 40 | 140 | 180 | 144 | - | PG 13.5 | 109 | 9 | G1 1/2 | - | 25 |
| 200/40 | 232 | 394 | 210 | 12.5 | 8 | 250 | 118 | 132 | 242 | - | 65 | 40 | 140 | 180 | 144 | - | PG 13.5 | 109 | 9 | G1 1/2 | - | 25 |
| 200/50 | 232 | 450 | 236 | 16 | 13 | 250 | 118 | 132 | 255 | - | 68 | 50 | 160 | 210 | 144 | - | PG 16 | 109 | 12 | G1 1/2 | - | 32.7 |

[1] Solo per trifase / Only for three phase

[2] Solo per monofase / Only for single phase

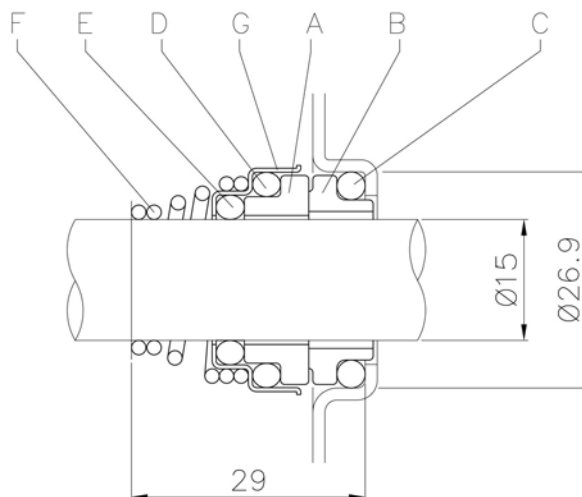
TENUTA MECCANICA / CONSTRUCTIONS

CDX



| Ref | Descrizione / Part name | Vers. standard / Standard version (CDX) | Materiale / Material | |
|-----|------------------------------------|--|---------------------------|--------------------------------------|
| | | | (CDXH) | Optional (CDXHS) |
| A | Parte rotante / Rotary seal ring | Ceramica / Ceramic | Ceramica / Ceramic | Carburo di silicio / Silicon carbide |
| B | Parte fissa / Stationary seal ring | Carbone / Carbon graphite | Carbone / Carbon graphite | Carburo di silicio / Silicon carbide |
| C | O Ring | NBR | FPM | FPM |
| D | O Ring | NBR | FPM | FPM |
| E | O Ring | NBR | FPM | FPM |
| F | Molla / Self driving spring | AISI 316 | AISI 316 | AISI 316 |
| G | Armatura / Frame | AISI 304 | AISI 304 | AISI 316 |

2CDX



| Ref | Descrizione / Part name | Vers. standard / Standard version (2CDX) | Materiale / Material | |
|-----|------------------------------------|---|---------------------------|--------------------------------------|
| | | | (2CDXH) | Optional (2CDXHS) |
| A | Parte rotante / Rotary seal ring | Ceramica / Ceramic | Ceramica / Ceramic | Carburo di silicio / Silicon carbide |
| B | Parte fissa / Stationary seal ring | Carbone / Carbon graphite | Carbone / Carbon graphite | Carburo di silicio / Silicon carbide |
| C | O Ring | NBR | FPM | FPM |
| D | O Ring | NBR | FPM | FPM |
| E | O Ring | NBR | FPM | FPM |
| F | Molla / Self driving spring | AISI 316 | AISI 316 | AISI 316 |
| G | Armatura / Frame | AISI 304 | AISI 304 | AISI 316 |



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