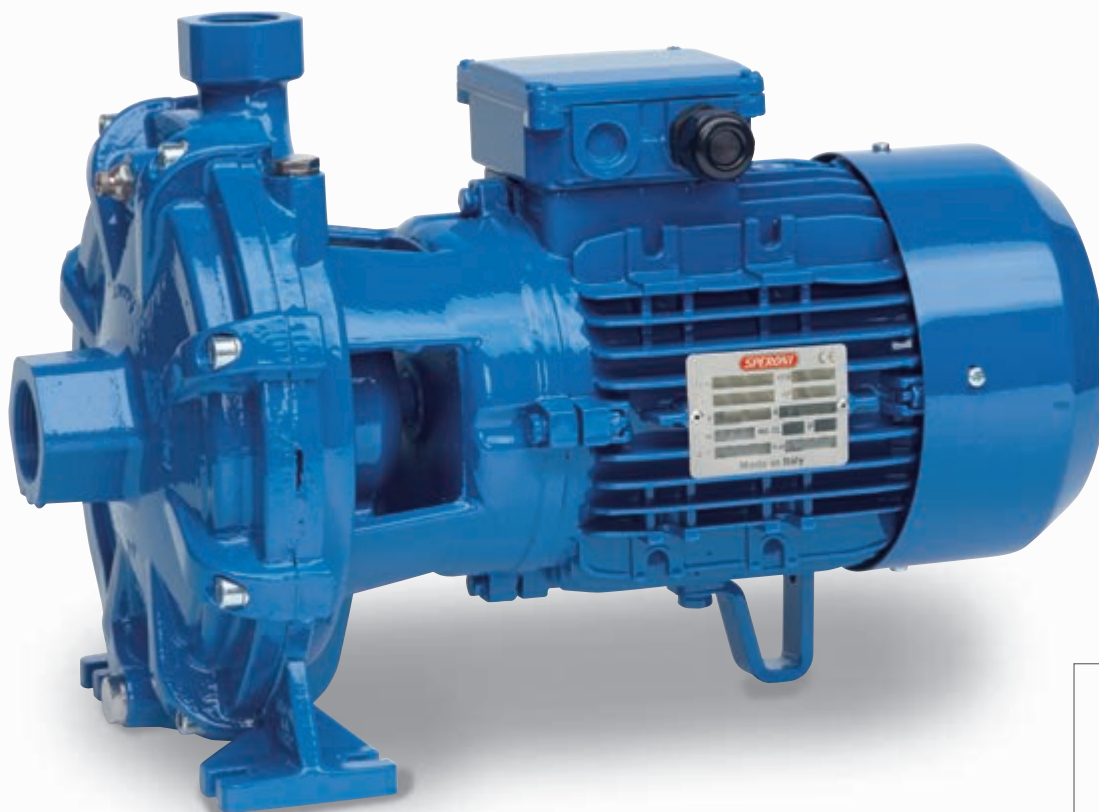


APPLICAZIONI

Elettropompe centrifughe bigiranti per sollevare acqua pulita e liquidi moderatamente carichi di impurità non aggressivi per i materiali delle pompe. Caratteristica principale è l'impiego di due giranti contrapposte che permettono, a differenza del modello monogirante, elevate prevalenze. Adatte per impianti civili e industriali, distribuzione automatica dell'acqua a mezzo di piccoli-medi serbatoi (autoclave) e per irrigazione a pioggia in giardino e in agricoltura.

APPLICATION

Twin impeller centrifugal water pumps to lift clean water and non-aggressive liquids. The main feature are the two opposite impellers which allow higher lifts than in the single-impeller model. They are qualified for civil and industrial fittings, for water distribution by tank pressure groups and for irrigation in gardening and agriculture.



GIRANTE - IMPELLER

LIMITI D'IMPIEGO

- Temperatura liquido fino a 35°C (per un uso domestico secondo EN 60335-2-41)
- Temperatura max. liquido: 90°C (per altri impieghi)
- Temperatura ambiente fino a 40°C
- Altezza d'aspirazione manometrica fino a 7 mt.
- Servizio continuo

MOTORE

- Monofase 230V-50Hz
- Trifase 230/400V-50Hz $P_2 \leq 7,5$ kW
- Trifase 400/690V-50Hz $P_2 > 7,5$ kW
- Motore elettrico ad induzione a 2 poli ($n = 2850$ min⁻¹)
- Isolamento Classe F
- Protezione IP 55

MATERIALI

- | | |
|---------------------|-----------------------|
| - Corpo pompa | Ghisa |
| - Supporto motore | Ghisa |
| - Giranti | Ottone |
| - Albero motore | Acciaio Inox AISI 304 |
| - Tenute meccaniche | Ceramica/Grafite/NBR |

OPERATING CONDITIONS

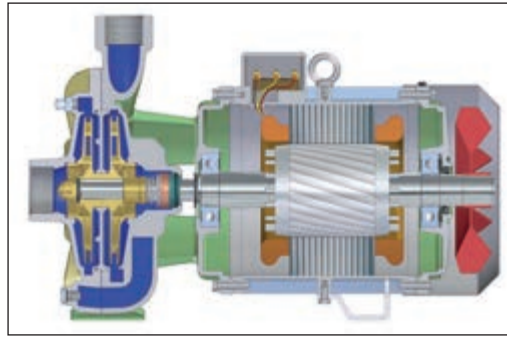
- Liquid temperature up to 35°C (for home use according to EN 60335-2-41)
- Temperature max. liquid: 90°C (for other uses)
- Ambient temperature up to 40°C
- Total suction lift up to 7 mt.
- Continuous duty

MOTOR

- Single-phase 230V-50Hz
- Three-phase 230/400V-50Hz $P_2 \leq 7,5$ kW
- Three-phase 400/690V-50Hz $P_2 > 7,5$ kW
- Two-Pole induction motor ($n = 2850$ min⁻¹)
- Insulation Class F
- Protection IP 55

MATERIALS

- | | |
|--------------------|--------------------------|
| - Pump body | Cast Iron |
| - Motor Support | Cast Iron |
| - Impellers | Brass |
| - Shaft with rotor | Stainless Steel AISI 304 |
| - Mechanical seal | Ceramic/Graphite/NBR |

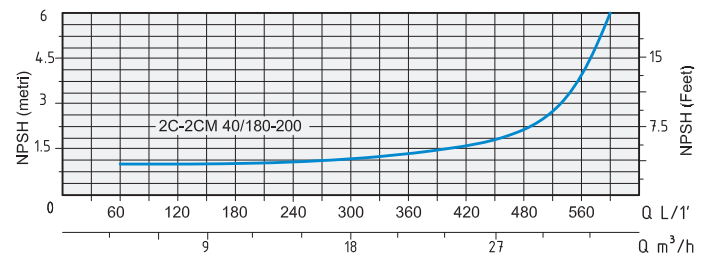
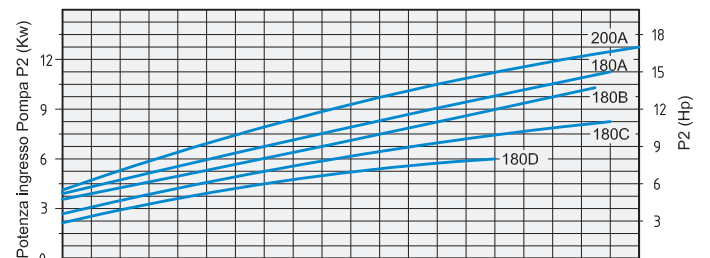
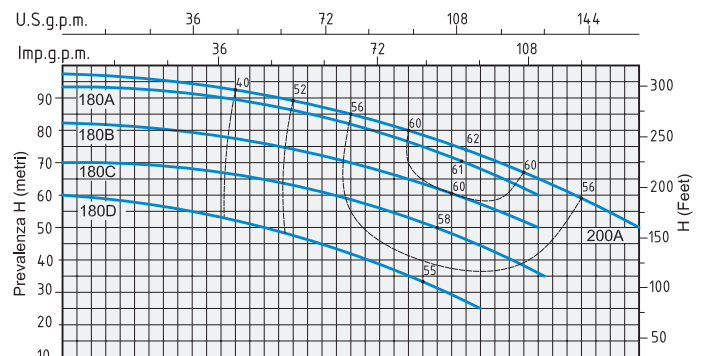
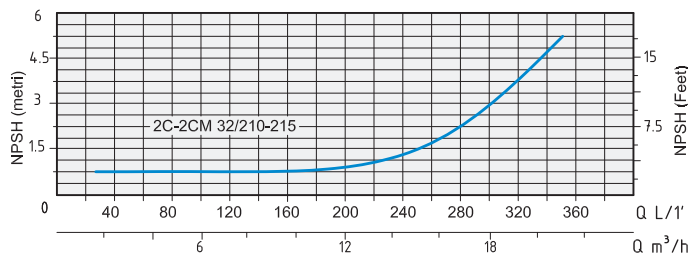
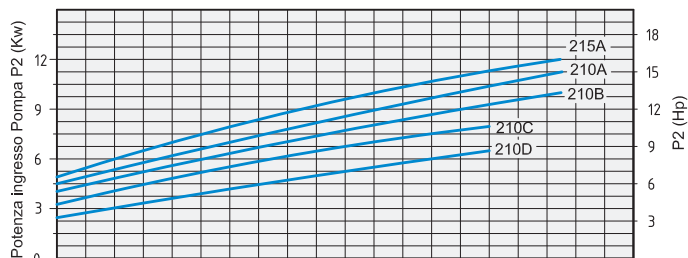
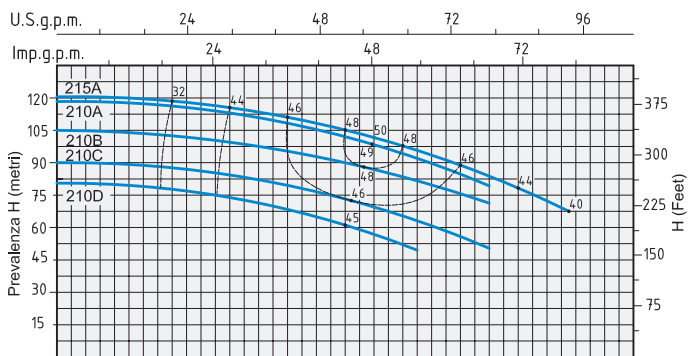
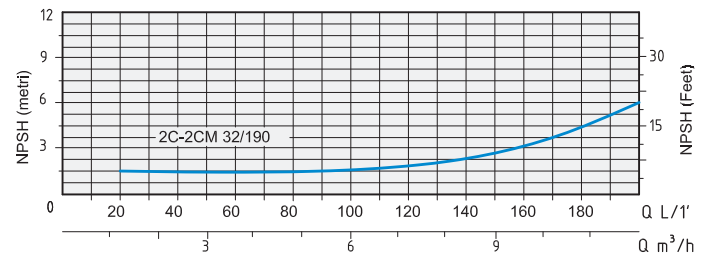
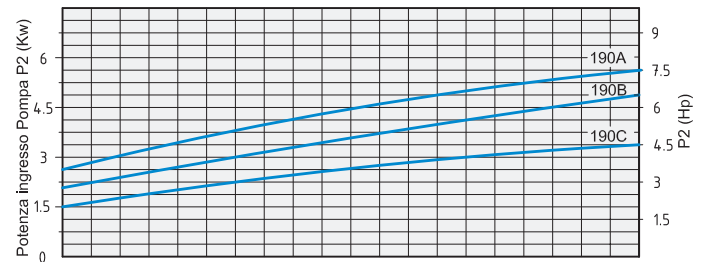
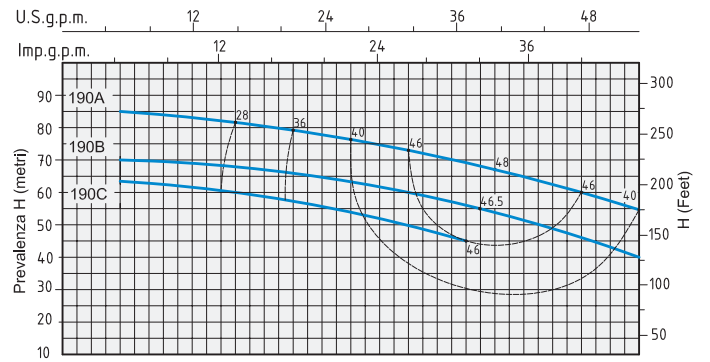
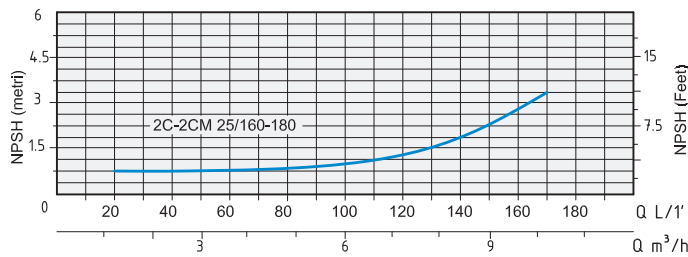
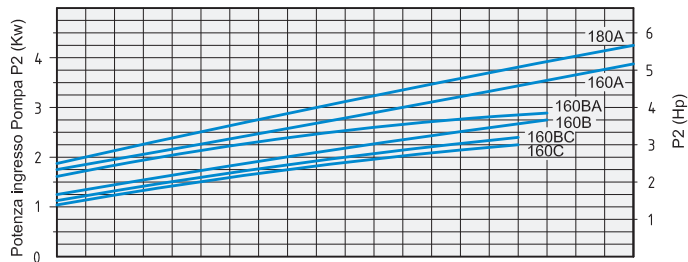
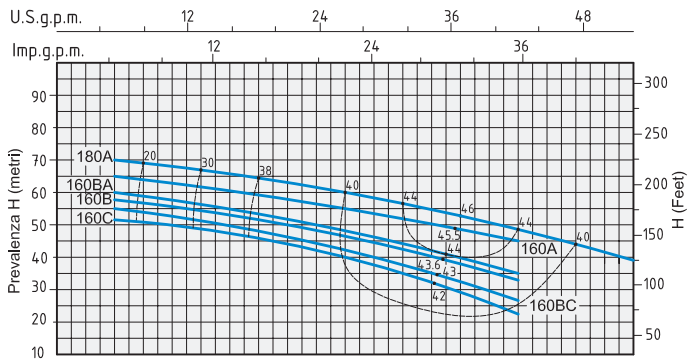


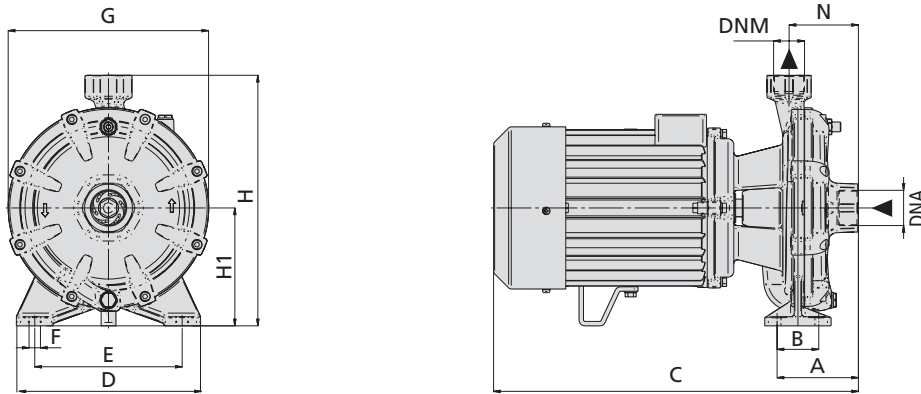
| TIPO TYPE | | POTENZA NOMINALE NOMINAL POWER | | POTENZA ASSORBITA INPUT POWER | AMPERE | | Q = PORTATA - CAPACITY | | | | | | | | | | |
|---|---------------------|--------------------------------|------|-------------------------------|-----------------------|---------------------|------------------------|-------|------|------|-----|------|-----|------|-----|------|-----|
| Monofase Single-phase | Trifase Three-phase | P2 | | P1 | Monofase Single-phase | Trifase Three-phase | m ³ /h | 1,2 | 2,4 | 3,6 | 4,8 | 6 | 7,2 | 8,4 | 9,6 | 10,8 | 12 |
| | | HP | kW | | | | kW | lt/1' | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 |
| Prevalenza manometrica totale in m.C.A. - Total head in meters w.c. | | | | | | | | | | | | | | | | | |
| 2CM 25/160C | 2C 25/160C | 1,5 | 1,1 | 2,2 | 10 | 4,3 | H (m) | 51 | 49 | 47 | 44 | 40 | 35 | 27 | 23 | | |
| 2CM 25/160BC | | 2 | 1,5 | 2,4 | 11 | | | 54 | 52 | 49 | 46 | 42 | 36 | 28 | 26 | | |
| | 2C 25/160B | 2 | 1,5 | 2,6 | | 5 | | 58 | 56 | 53,5 | 50 | 47,5 | 42 | 35 | 31 | | |
| 2CM 25/160BA | 2C 25/160BA | 2,5 | 1,85 | 2,8 | 13 | 5,2 | | 61 | 59 | 57 | 54 | 48 | 42 | 35 | 33 | | |
| 2CM 25/160A | 2C 25/160A | 3 | 2,2 | 3,6 | 16 | 5,7 | | 65 | 62,5 | 61 | 59 | 57 | 54 | 50,5 | 46 | | |
| | 2C 25/180A | 4 | 3 | 4,2 | | 7 | | 70 | 68 | 65 | 63 | 60 | 57 | 54 | 49 | 44 | 39 |

| TIPO TYPE | | POTENZA NOMINALE NOMINAL POWER | | POTENZA ASSORBITA INPUT POWER | AMPERE | | Q = PORTATA - CAPACITY | | | | | | | | | | |
|---|---------------------|--------------------------------|-----|-------------------------------|-----------------------|---------------------|------------------------|-------|-----|------|-----|----|-----|-----|-----|------|-----|
| Monofase Single-phase | Trifase Three-phase | P2 | | P1 | Monofase Single-phase | Trifase Three-phase | m ³ /h | 1,2 | 2,4 | 3,6 | 4,8 | 6 | 7,2 | 8,4 | 9,6 | 10,8 | 12 |
| | | HP | kW | | | | kW | lt/1' | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 |
| Prevalenza manometrica totale in m.C.A. - Total head in meters w.c. | | | | | | | | | | | | | | | | | |
| 2CM 32/190C | 2C 32/190C | 3 | 2,2 | 3,6 | 16 | 5,7 | H (m) | 63 | 60 | 58 | 56 | 54 | 50 | 46 | | | |
| | 2C 32/190B | 4 | 3 | 4,5 | | 7,5 | | 74 | 72 | 69,5 | 65 | 63 | 60 | 56 | 54 | 49 | 43 |
| 2CM 32/190A | 2C 32/190A | 5,5 | 4 | 6 | 29 | 9,3 | | 88 | 86 | 84 | 80 | 77 | 74 | 68 | 64 | 60 | 56 |

| TIPO TYPE | | POTENZA NOMINALE NOMINAL POWER | | POTENZA ASSORBITA INPUT POWER | AMPERE | | Q = PORTATA - CAPACITY | | | | | | | | | | |
|---|---------------------|--------------------------------|-----|-------------------------------|-----------------------|---------------------|------------------------|-------|-------|-------|-------|-------|------|-----|-----|-----|-----|
| Monofase Single-phase | Trifase Three-phase | P2 | | P1 | Monofase Single-phase | Trifase Three-phase | m ³ /h | 0 | 1,5 | 3 | 4,5 | 6 | 9 | 12 | 15 | 18 | 21 |
| | | HP | kW | | | | kW | lt/1' | 0 | 25 | 50 | 75 | 100 | 150 | 200 | 250 | 300 |
| Prevalenza manometrica totale in m.C.A. - Total head in meters w.c. | | | | | | | | | | | | | | | | | |
| 2CM 32/210D | 2C 32/210D | 5,5 | 4 | 6 | 29 | 9,3 | H (m) | 79 | 78,8 | 78,5 | 77,3 | 75,5 | 70 | 62 | 50 | | |
| | 2C 32/210C | 7,5 | 5,5 | 8 | | 13 | | 90 | 89,5 | 89 | 88 | 87 | 82,5 | 76 | 60 | 49 | |
| | 2C 32/210B | 10 | 7,5 | 10 | | 16 | | 105,5 | 105,3 | 105 | 104 | 102,5 | 98 | 91 | 82 | 68 | |
| | 2C 32/210A | 12,5 | 9,2 | 11,5 | | 18,5 | | 117 | 116,8 | 116,5 | 115,5 | 114,5 | 110 | 103 | 94 | 82 | |
| | 2C 32/215A | 15 | 11 | 13 | | 21 | | 120 | 119,8 | 119,5 | 118,5 | 117,5 | 112 | 105 | 96 | 84 | 67 |

| TIPO TYPE | | POTENZA NOMINALE NOMINAL POWER | | POTENZA ASSORBITA INPUT POWER | AMPERE | | Q = PORTATA - CAPACITY | | | | | | | | | | |
|---|---------------------|--------------------------------|-----|-------------------------------|-----------------------|---------------------|------------------------|-------|------|------|------|-----|-----|-----|-----|-----|-----|
| Monofase Single-phase | Trifase Three-phase | P2 | | P1 | Monofase Single-phase | Trifase Three-phase | m ³ /h | 0 | 3 | 6 | 9 | 15 | 18 | 24 | 27 | 30 | 36 |
| | | HP | kW | | | | kW | lt/1' | 0 | 50 | 100 | 150 | 250 | 300 | 400 | 450 | 500 |
| Prevalenza manometrica totale in m.C.A. - Total head in meters w.c. | | | | | | | | | | | | | | | | | |
| 2CM 40/180D | 2C 40/180D | 5,5 | 4 | 6 | 29 | 9,3 | H (m) | 60 | 59 | 58 | 56 | 50 | 45 | 34 | 25 | | |
| | 2C 40/180C | 7,5 | 5,5 | 8 | | 13 | | 71 | 70,7 | 70,5 | 69 | 64 | 60 | 50 | 43 | 35 | |
| | 2C 40/180B | 10 | 7,5 | 10 | | 16 | | 87 | 86 | 85 | 83 | 78 | 75 | 65 | 60 | 51 | |
| | 2C 40/180A | 12,5 | 9,2 | 11,5 | | 18,5 | | 93,5 | 93,3 | 93 | 92 | 87 | 82 | 71 | 65 | 58 | |
| | 2C 40/200A | 15 | 11 | 13 | | 21 | | 96 | 95,8 | 95,5 | 94,5 | 90 | 86 | 77 | 71 | 65 | 48 |





| TIPO TYPE | | DIMENSIONI mm - DIMENSIONS mm | | | | | | | | | | | | DIMENSIONI DIMENSIONS mm | | | PESO WEIGHT |
|-----------------------|---------------------|-------------------------------|----|-----|-----|-----|----|-----|-----|-----|------|--------|-----|--------------------------|-----|-----|-------------|
| Monofase Single-phase | Trifase Three-phase | A | B | C | D | E | F | G | H | H1 | N | DNA | DNM | P | L | H | Kg |
| 2CM 25/160C | 2C 25/160C | 95 | 50 | 400 | 208 | 168 | 10 | 222 | 265 | 120 | 85 | 1" 1/4 | 1" | 240 | 414 | 314 | 24,6 |
| | | 95 | 50 | 432 | 208 | 168 | 10 | 222 | 265 | 120 | 85 | 1" 1/4 | 1" | 240 | 414 | 314 | 26,4 |
| | 2C 25/160B | 95 | 50 | 432 | 208 | 168 | 10 | 222 | 265 | 120 | 85 | 1" 1/4 | 1" | 240 | 414 | 314 | 24,6 |
| 2CM 25/160BA | 2C 25/160BA | 95 | 46 | 432 | 208 | 168 | 10 | 222 | 265 | 120 | 85 | 1" 1/4 | 1" | 259 | 507 | 345 | 29,9 |
| 2CM 25/160A | 2C 25/160A | 108,5 | 46 | 440 | 230 | 190 | 12 | 246 | 290 | 132 | 92,5 | 1" 1/4 | 1" | 259 | 507 | 345 | 36,1 |
| | 2C 25/180A | 108,5 | 46 | 440 | 230 | 190 | 12 | 246 | 290 | 132 | 92,5 | 1" 1/4 | 1" | 310 | 530 | 460 | 35,9 |

| TIPO TYPE | | DIMENSIONI mm - DIMENSIONS mm | | | | | | | | | | | | DIMENSIONI DIMENSIONS mm | | | PESO WEIGHT |
|-----------------------|---------------------|-------------------------------|----|-----|-----|-----|----|-----|-----|-----|----|--------|--------|--------------------------|-----|-----|-------------|
| Monofase Single-phase | Trifase Three-phase | A | B | C | D | E | F | G | H | H1 | N | DNA | DNM | P | L | H | Kg |
| 2CM 32/190C | 2C 32/190C | 120 | 60 | 450 | 250 | 200 | 15 | 272 | 340 | 160 | 94 | 1" 1/2 | 1" 1/4 | 310 | 530 | 460 | 40,7 |
| | 2C 32/190B | 120 | 60 | 485 | 250 | 200 | 15 | 272 | 340 | 160 | 94 | 1" 1/2 | 1" 1/4 | 310 | 530 | 460 | 44,9 |
| 2CM 32/190A | 2C 32/190A | 120 | 60 | 495 | 250 | 200 | 15 | 272 | 340 | 160 | 94 | 1" 1/2 | 1" 1/4 | 310 | 530 | 460 | 53,9 |

| TIPO TYPE | | DIMENSIONI mm - DIMENSIONS mm | | | | | | | | | | | | DIMENSIONI DIMENSIONS mm | | | PESO WEIGHT |
|-----------------------|---------------------|-------------------------------|----|-----|-----|-----|----|-----|-----|-----|-----|-----|--------|--------------------------|-----|-----|-------------|
| Monofase Single-phase | Trifase Three-phase | A | B | C | D | E | F | G | H | H1 | N | DNA | DNM | P | L | H | Kg |
| 2CM 32/210D | 2C 32/210D | 121 | 60 | 530 | 280 | 225 | 15 | 300 | 375 | 160 | 107 | 2" | 1" 1/4 | 342 | 620 | 475 | 60 |
| | 2C 32/210C | 121 | 60 | 575 | 280 | 225 | 15 | 300 | 375 | 160 | 107 | 2" | 1" 1/4 | 342 | 620 | 475 | 70,6 |
| | 2C 32/210B | 121 | 60 | 575 | 280 | 225 | 15 | 300 | 375 | 160 | 107 | 2" | 1" 1/4 | 342 | 620 | 475 | 75,4 |
| | 2C 32/210A | 121 | 60 | 575 | 280 | 225 | 15 | 300 | 375 | 160 | 107 | 2" | 1" 1/4 | 372 | 805 | 550 | 91,1 |
| | 2C 32/215A | 121 | 60 | 612 | 280 | 225 | 15 | 300 | 375 | 160 | 107 | 2" | 1" 1/4 | 372 | 805 | 550 | 96,1 |

| TIPO TYPE | | DIMENSIONI mm - DIMENSIONS mm | | | | | | | | | | | | DIMENSIONI DIMENSIONS mm | | | PESO WEIGHT |
|-----------------------|---------------------|-------------------------------|----|-----|-----|-----|----|-----|-----|-----|-----|-----|--------|--------------------------|-----|-----|-------------|
| Monofase Single-phase | Trifase Three-phase | A | B | C | D | E | F | G | H | H1 | N | DNA | DNM | P | L | H | Kg |
| 2CM 40/180D | 2C 40/180D | 126 | 60 | 535 | 280 | 225 | 15 | 300 | 375 | 160 | 116 | 2" | 1" 1/2 | 342 | 620 | 475 | 60,9 |
| | 2C 40/180C | 126 | 60 | 580 | 280 | 225 | 15 | 300 | 375 | 160 | 116 | 2" | 1" 1/2 | 342 | 620 | 475 | 71,2 |
| | 2C 40/180B | 126 | 60 | 580 | 280 | 225 | 15 | 300 | 375 | 160 | 116 | 2" | 1" 1/2 | 342 | 620 | 475 | 72,6 |
| | 2C 40/180A | 126 | 60 | 580 | 280 | 225 | 15 | 300 | 375 | 160 | 116 | 2" | 1" 1/2 | 372 | 805 | 550 | 94,1 |
| | 2C 40/200A | 126 | 60 | 612 | 280 | 225 | 15 | 300 | 375 | 160 | 116 | 2" | 1" 1/2 | 372 | 805 | 550 | 97,1 |