

## IR Series



### سری IR:

الکتروپمپ های سانتریفیوژ تک پروانه ، با کارکردی آرام و بی صدا برای مصارف خانگی و صنعتی کاربرد وسیعی دارد . در اصطلاح رایج این نوع پمپ بشقابی تک پروانه نامیده می شود .

### کاربرد:

کلیه قطعات استنلس استیل پرسی پمپ های سری IR با استفاده از تکنولوژی لیزر جوشکاری می شود. این پمپ ها قادر به انتقال مایعات خورنده بوده و از نظر آبدهی و ارتفاع بسیار متنوع می باشند .

**مشخصات الکتروموتور:**

توان : 0.75 تا 37 کیلووات

کلاس عایق بندی : F

درجه حفاظت : IP55

اینچ ورودی: ۱/۴ و ۱ تا ۶ اینچ

اینچ خروجی: ۱/۴ و ۱ تا ۶ اینچ

**مشخصات فنی:****هیدرولیکی:**

هد: ۸۵ متر

دبی: ۴۰۰ مترمکعب بر ساعت

دما: ۱۵- تا ۱۲۰ درجه سانتیگراد

**متریال:**

محفظه پمپ: مدل IR چدنی- مدل IRX استیل - مدل IRM برنزی

پروانه: مدل IR چدنی یا برنجی- مدل IRX استیل - مدل IRM برنزی

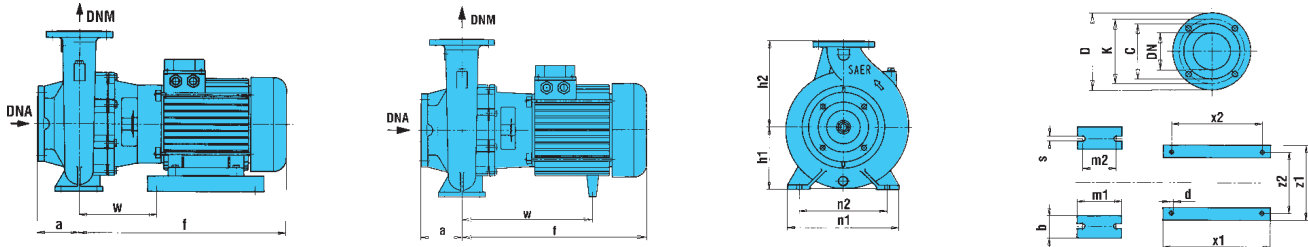
شافت: استنلس استیل

مکانیکال سیل: سیلیکون کارباید، استیل بالاستیک وایتون

**سری IR 32 3000 rpm**

**جدول ارتفاع و آبدهی پمپ سائر**

| Type       | P2   |      | In (A)<br>3~ |            | ls/<br>In | UQ    | H (m)             |      |      |      |      |      |      |      |      |      |      |      |     |     |     |  |  |
|------------|------|------|--------------|------------|-----------|-------|-------------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|--|--|
|            | kW   | HP   | V<br>230/400 | V<br>400 Δ |           |       | .S.g.p.m.         | 0    | 17   | 26   | 35   | 44   | 53   | 62   | 70   | 79   | 88   | 110  | 132 | 154 | 176 |  |  |
|            |      |      |              |            |           |       | m <sup>3</sup> /h | 0    | 4    | 6    | 8    | 10   | 12   | 14   | 16   | 18   | 20   | 25   | 30  | 35  | 40  |  |  |
| IR32-125C  | 0,75 | 1    | 5,2 - 3      | -          | 5,8       | l/min | 0                 | 67   | 100  | 133  | 167  | 200  | 233  | 267  | 300  | 333  | 417  | 500  | 583 | 667 |     |  |  |
| IR32-125B  | 1,1  | 1,5  | 6,9 - 4      | -          | 6,4       | 17    | 16,6              | 16   | 15,3 | 14,3 | 13,2 | 11,8 | 10,3 |      |      |      |      |      |     |     |     |  |  |
| IR32-125A  | 1,5  | 2    | 7,4 - 4,3    | -          | 7         | 21    | 20,6              | 20,1 | 19,2 | 17,8 | 15,8 | 14,1 | 12,3 |      |      |      |      |      |     |     |     |  |  |
| IR32-160C  | 1,5  | 2    | 8,4 - 4,8    | -          | 7         | 25,4  | 25                | 24,6 | 24,1 | 23,2 | 22   | 20,5 | 18,8 | 16,9 | 15   |      |      |      |     |     |     |  |  |
| IR32-160B  | 2,2  | 3    | 7,8 - 4,5    | -          | 6,8       | 28    | 27,4              | 27   | 26,3 | 25,6 | 24,8 | 23,4 | 22,3 | 20,7 | 18,5 |      |      |      |     |     |     |  |  |
| IR32-160A  | 3    | 4    | 10 - 5,7     | -          | 7,6       | 33    | 32,2              | 32   | 31   | 30,2 | 29,2 | 28   | 27   | 25   | 23,2 |      |      |      |     |     |     |  |  |
| IR32-160NC | 3    | 4    | 10 - 5,7     | -          | 7,6       | 37    | 36,5              | 36   | 35,4 | 34,7 | 33,8 | 32,8 | 31,6 | 30,1 | 28,3 |      |      |      |     |     |     |  |  |
| IR32-160NB | 4    | 5,5  | 16 - 9,2     | 9,2        | 8,4       | 29    |                   |      | 29   | 28,8 | 28,3 | 27,5 | 26,2 | 25,8 | 25,5 | 22,3 | 18,5 |      |     |     |     |  |  |
| IR32-160NA | 5,5  | 7,5  | -            | 10,7       | 8,6       | 36,4  |                   |      | 36,4 | 36,2 | 35,8 | 35,4 | 34,7 | 34   | 33,2 | 31   | 27,5 | 23   |     |     |     |  |  |
| IR32-200N  | 4    | 5,5  | 15,6 - 9     | 9          | 8,4       | 43    |                   |      | 42,4 | 42,2 | 41,9 | 41,3 | 41   | 40,5 | 39,8 | 38   | 34,5 | 31,1 | 26  |     |     |  |  |
| IR32-200NC | 4    | 5,5  | 14,8 - 8,5   | 8,5        | 8,4       | 56,3  |                   | 54,7 | 54   | 53   | 51,7 | 50,2 | 48,6 |      |      |      |      |      |     |     |     |  |  |
| IR32-200NB | 5,5  | 7,5  | -            | 11,5       | 8,6       | 46    |                   | 45   | 44   | 43   | 41,3 | 39,8 | 38,2 | 36,2 | 34,4 | 27,5 |      |      |     |     |     |  |  |
| IR32-200NA | 7,5  | 10   | -            | 15         | 8,3       | 53,6  |                   | 53   | 52,8 | 52,5 | 51,7 | 51,1 | 50,2 | 49,8 | 47,4 | 43   | 35   |      |     |     |     |  |  |
| IR32-250E  | 7,5  | 10   | -            | 14,6       | 8,3       | 63    |                   | 62,8 | 62,6 | 62,5 | 62,3 | 62,2 | 62   | 60,6 | 59,5 | 57,5 | 49,7 | 38,6 |     |     |     |  |  |
| IR32-250D  | 9,2  | 12,5 | -            | 18,7       | 8,6       | 64    |                   |      | 63   | 62,6 | 62,4 | 61,8 | 61,3 | 60,9 | 59   | 56   |      |      |     |     |     |  |  |
| IR32-250C  | 11   | 15   | -            | 22,3       | 6,3       | 70    |                   |      | 69,8 | 69,6 | 69,3 | 68,9 | 68,4 | 68,1 | 67,3 | 65,3 | 63   |      |     |     |     |  |  |
| IR32-250B  | 13,5 | 18,3 | -            | 26,4       | 6,4       | 76,3  |                   |      | 76,3 | 76   | 75,7 | 75,3 | 74,8 | 74,4 | 73,8 | 71,4 | 68,8 |      |     |     |     |  |  |
| IR32-250A  | 17   | 23   | -            | 31,5       | 6,6       | 86    |                   |      | 83,5 | 83   | 82,2 | 81,9 | 81,3 | 80,8 | 80   | 79,2 | 75   | 55   |     |     |     |  |  |
|            |      |      |              |            |           | 94    |                   |      | 92   | 91   | 90,5 | 90   | 89,5 | 89   | 88,4 | 87,3 | 86   | 66   |     |     |     |  |  |

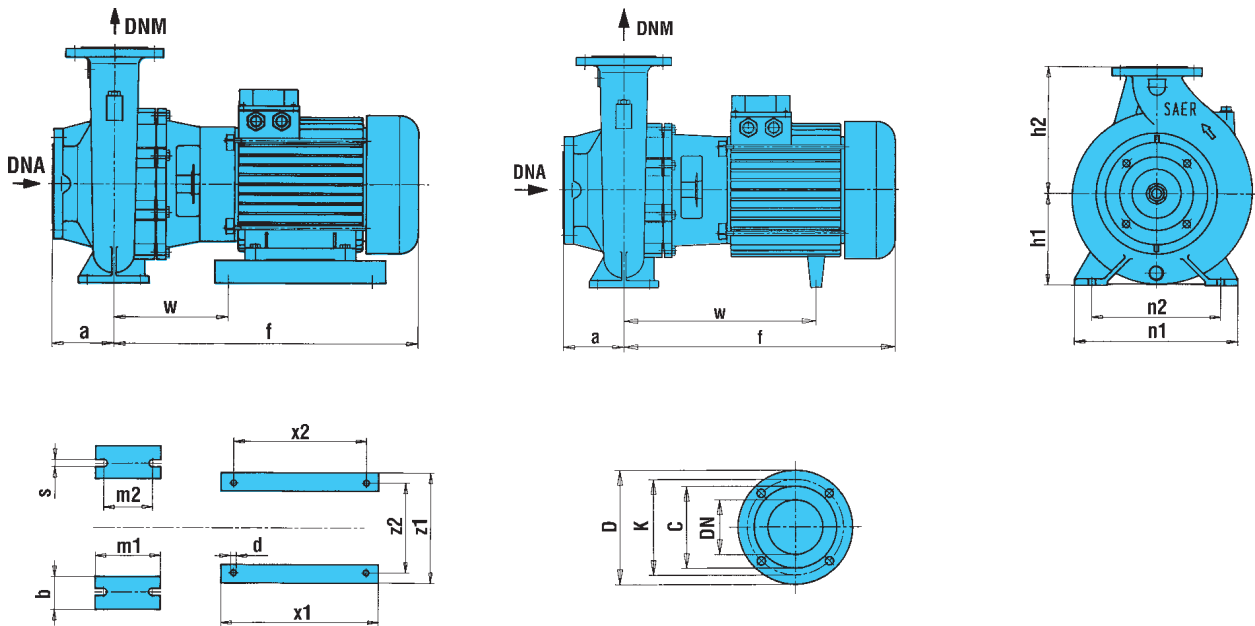


**سری IR 32 3000 rpm**  
**جدول ابعاد و اوزان پمپ سائر**

| Type            | DNA | DNM | l     | a   | m1  | m2 | n1  | n2  | h1  | h2  | s  | b  | w     | x1  | x2  | z1  | z2  | d  | kg       |
|-----------------|-----|-----|-------|-----|-----|----|-----|-----|-----|-----|----|----|-------|-----|-----|-----|-----|----|----------|
| IR32-125C-B-A   | 50  | 32  | 335   | 80  | 100 | 70 | 190 | 140 | 112 | 140 | 14 | 50 | 242   | -   | -   | -   | -   | -  | 27-28-29 |
| IR32-160C       | 50  | 32  | 335   | 80  | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 242   | -   | -   | -   | -   | -  | 33       |
| IR32-160B       | 50  | 32  | 345   | 80  | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 245   | -   | -   | -   | -   | -  | 34       |
| IR32-160A       | 50  | 32  | 369   | 80  | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 270   | -   | -   | -   | -   | -  | 35       |
| IR32-160NA      | 50  | 32  | 423,5 | 80  | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 300,5 | -   | -   | -   | -   | -  | 65       |
| IR32-160NB      | 50  | 32  | 423,5 | 80  | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 300,5 | -   | -   | -   | -   | -  | 55       |
| IR32-160NC      | 50  | 32  | 403   | 80  | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 280   | -   | -   | -   | -   | -  | 49       |
| IR32-200N-NC-NB | 50  | 32  | 423,5 | 80  | 100 | 70 | 240 | 190 | 160 | 180 | 14 | 50 | 300   | -   | -   | -   | -   | -  | 46-47-52 |
| IR32-200NA      | 50  | 32  | 423,5 | 80  | 100 | 70 | 240 | 190 | 160 | 180 | 14 | 50 | 300   | -   | -   | -   | -   | -  | 59       |
| IR32-250E       | 50  | 32  | 422   | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 300   | -   | -   | -   | -   | -  | 66       |
| IR32-250D       | 50  | 32  | 525,5 | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 385   | -   | -   | -   | -   | -  | 81       |
| IR32-250C       | 50  | 32  | 525,5 | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 166,5 | 320 | 280 | 258 | 216 | 12 | 88       |
| IR32-250B       | 50  | 32  | 563,5 | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 184,5 | 320 | 280 | 258 | 216 | 12 | 94       |
| IR32-250A       | 50  | 32  | 563,5 | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 184,5 | 320 | 280 | 258 | 216 | 12 | 100      |

**سری IR4P-32 1500 rpm**  
جدول ارتفاع و آبدهی پمپ سائر

| Type          | P2   |      | In (A)<br>3~ |        | Is /<br>In | UQ   | H (m)  |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|---------------|------|------|--------------|--------|------------|------|--|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
|               | kW   | HP   | V230/400     | V400 Δ |            |      | Q  |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
|               |      |      |              |        |            |      | .S.g.p.m. 0 13 17 26 35 44 53 62 70 79 88 110<br>m <sup>3</sup> /h 0 3 4 6 8 10 12 14 16 18 20 25<br>l/min 0 50 67 100 133 167 200 233 267 300 333 417 |      |      |      |      |      |      |      |      |      |      |  |  |  |  |
| IR4P-32-125A  | 0,37 | 0,5  | 1,7 - 1      | 1      | 4,2        | 6,1  | 6  | 5,9  | 5,5  | 5    | 4    | 3,5  |      |      |      |      |      |  |  |  |  |
| IR4P-32-160A  | 0,55 | 0,75 | 1,9 - 1,1    | 1,1    | 4,4        | 9,5  | 9,4  | 9,3  | 8,9  | 8,1  | 7,1  | 5,8  | 5    |      |      |      |      |  |  |  |  |
| IR4P-32-200NA | 1,1  | 1,5  | 4,3 - 2,5    | 2,5    | 5          | 16,5 | 16,2   | 16   | 15,9 | 15,2 | 14   | 12,7 | 11,2 | 9,5  | 7,5  |      |      |  |  |  |  |
| IR4P-32-250C  | 2,2  | 3    | 8,8 - 5,1    | 5,1    | 5,5        | 20   | 19,5   | 19,3 | 19   | 18,6 | 18,4 | 18   | 17,6 | 17,2 | 16,6 | 16,2 | 15   |  |  |  |  |
| IR4P-32-250A  | 2,2  | 3    | 8,8 - 5,1    | 5,1    | 5,5        | 23,5 | 23,1   | 23   | 22,6 | 22,2 | 21,8 | 21,3 | 20,8 | 20,1 | 19,4 | 18,5 | 15,8 |  |  |  |  |



جدول ابعاد و اوزان پمپ سائر

| Type           | DNA | DNM | l     | a   | m1  | m2 | n1  | n2  | h1  | h2  | s  | b  | w     | x1 | x2 | z1 | z2 | d | kg    |
|----------------|-----|-----|-------|-----|-----|----|-----|-----|-----|-----|----|----|-------|----|----|----|----|---|-------|
| IR4P-32-125A   | 50  | 32  | 333   | 80  | 100 | 70 | 190 | 140 | 112 | 140 | 14 | 50 | 240,5 | -  | -  | -  | -  | - | 23    |
| IR4P-32-160A   | 50  | 32  | 333   | 80  | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 240,5 | -  | -  | -  | -  | - | 29    |
| IR4P-32-200NA  | 50  | 32  | 346,5 | 80  | 100 | 70 | 240 | 190 | 160 | 180 | 14 | 50 | 248,5 | -  | -  | -  | -  | - | 37    |
| IR4P-32-250C-A | 50  | 32  | 395   | 100 | 125 | 95 | 320 | 250 | 180 | 25  | 14 | 65 | 274,5 | -  | -  | -  | -  | - | 48-50 |

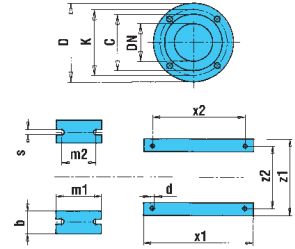
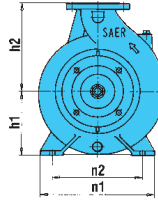
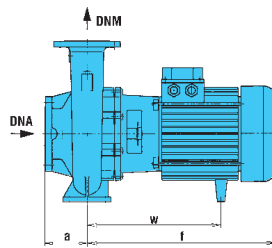
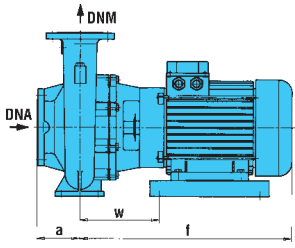




**سری IR 50 3000 rpm**

**جدول ارتفاع و آبدهی پمپ سائر**

| Type         | P2   |      | In (A)<br>3~ |            | ls/<br>In | UQ    | S.g.p.m.          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|--------------|------------|-----------|-------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|              | kW   | HP   | V<br>230/400 | V<br>400 Δ |           |       | m <sup>3</sup> /h |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|              |      |      |              |            |           |       | 0                 | 79   | 88   | 110  | 132  | 154  | 176  | 198  | 220  | 242  | 264  | 286  | 308  | 330  | 352  | 374  | 396  | 440  | 484  | 528  |      |
|              |      |      |              |            |           |       | 0                 | 18   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   | 100  | 110  | 120  |      |
|              |      |      |              |            |           |       | l/min             | 0    | 300  | 333  | 417  | 500  | 583  | 667  | 750  | 833  | 917  | 1000 | 1083 | 1167 | 1250 | 1333 | 1417 | 1500 | 1667 | 1833 | 2000 |
| IR50-125C    | 2,2  | 3    | 4,8          | -          | 6,8       | H (m) | 17,5              | 17,2 | 17   | 16,7 | 16   | 15,2 | 14,3 | 13,2 | 12   | 10   | 8    |      |      |      |      |      |      |      |      |      |      |
| IR50-125B    | 3    | 4    | 6,2          | -          | 7,6       |       | 21,2              |      | 20,6 | 20   | 19,4 | 18,6 | 17,6 | 16,6 | 15,3 | 13,9 | 13   | 11   |      |      |      |      |      |      |      |      |      |
| IR50-125A    | 4    | 5,5  | 8,5          | 8,5        | 8,3       |       | 24,2              |      |      | 24,4 | 23,9 | 23,2 | 22,4 | 21,4 | 20,3 | 19,1 | 17,7 | 17   |      |      |      |      |      |      |      |      |      |
| IR50-160B    | 5,5  | 7,5  | -            | 10,2       | 8,6       |       | 32,5              |      |      | 32   | 31,1 | 30,1 | 28,8 | 27,5 | 25,9 | 24,2 | 22,3 | 20,3 | 18,4 | 16,6 |      |      |      |      |      |      |      |
| IR50-160A    | 7,5  | 10   | -            | 15         | 8,3       |       | 40,4              |      |      | 40   | 39,4 | 38,7 | 37,7 | 36,6 | 35,3 | 33,7 | 31,9 | 29,8 | 27,7 | 25,7 |      |      |      |      |      |      |      |
| IR50-160NC   | 5,5  | 7,5  | -            | 11         | 8,6       |       | 30,5              |      |      |      |      |      | 27,7 | 27   | 26   | 24,9 | 23,6 | 22,1 | 20,6 | 20   |      |      |      |      |      |      |      |
| IR50-160NB   | 7,5  | 10   | -            | 15         | 8,3       |       | 39                |      |      |      |      |      | 36,8 | 35,8 | 35   | 33,7 | 32,3 | 30,7 | 29   | 27   | 25   |      |      |      |      |      |      |
| IR50-160NA   | 9,2  | 12,5 | -            | 19,6       | 8,6       |       | 44                |      |      |      |      |      | 40,6 | 40   | 39   | 38   | 36   | 35,2 | 34   | 32   | 30   | 28   | 26   |      |      |      |      |
| IR50-200C    | 9,2  | 12,5 | -            | 18,3       | 8,6       |       | 52,2              |      |      | 52,1 | 51   | 49,6 | 47,8 | 45,9 | 43,4 | 41   | 38,2 | 35   | 32,3 | 28,4 |      |      |      |      |      |      |      |
| IR50-200B    | 11   | 15   | -            | 21,2       | 6,3       |       | 58                |      |      | 57,3 | 55,8 | 54,3 | 52,3 | 50,1 | 47,2 | 44,2 | 40,8 | 37,3 | 33,8 |      |      |      |      |      |      |      |      |
| IR50-200A    | 15   | 20   | -            | 23,5       | 6,6       |       | 61,8              |      |      | 60   | 59,2 | 58   | 56,5 | 55   | 53   | 50,5 | 48   | 45   | 41   | 30   |      |      |      |      |      |      |      |
| IR50-200NC   | 15   | 20   | -            | 27,6       | 6,6       |       | 53,3              |      |      |      |      |      |      |      | 49,2 | 48   | 46,5 | 46   | 44,5 | 43   | 41,5 | 38   | 36,5 | 30,5 |      |      |      |
| IR50-200NB   | 17   | 23   | -            | 29,6       | 6,6       |       | 61,5              |      |      |      |      |      |      |      | 56,4 | 55   | 53   | 51,5 | 50   | 48   | 47   | 45   | 42   | 37   |      |      |      |
| IR50-200NA   | 22   | 30   | -            | 37,4       | 8,5       |       | 71                |      |      |      |      |      |      |      | 66,8 | 66   | 65   | 64   | 62   | 60   | 58   | 55   | 52,5 | 45,5 | 38   | 31,5 |      |
| IR50-250ND   | 17   | 23   | -            | 31         | 6,6       |       | 69                |      |      | 68,5 | 67   | 66   | 64   | 62,5 | 61   | 58   | 56   | 50,5 | 47,3 | 44,2 | 40,2 |      |      |      |      |      |      |
| IR50-250NC/B | 18,5 | 25   | -            | 33,8       | 8,2       |       | 80                |      |      | 79   | 78,5 | 77,5 | 76   | 74,5 | 72   | 70   | 68   | 64,5 | 61,5 |      |      |      |      |      |      |      |      |
| IR50-250NC/A | 20   | 27   | -            | 37,8       | 8,2       |       | 80                |      |      | 79   | 78,5 | 77,5 | 76   | 74,5 | 72   | 70   | 68   | 64,5 | 61,5 | 58   | 54   | 50   |      |      |      |      |      |
| IR50-250NB/B | 22   | 30   | -            | 39,5       | 8,5       |       | 88,5              |      |      | 88   | 87   | 86,5 | 85   | 84   | 82   | 80   | 77   | 74   | 71   | 68   |      |      |      |      |      |      |      |
| IR50-250NB/A | 25   | 34   | -            | 45         | 8,5       |       | 88,5              |      |      | 88   | 87   | 86,5 | 85   | 84   | 82   | 80   | 77   | 74   | 71   | 68   | 64,5 | 60   | 57   | 44   |      |      |      |
| IR50-250NA   | 30   | 40   | -            | 55,6       | 7,3       |       | 100,5             |      |      | 100  | 99,5 | 99   | 98   | 97   | 94,5 | 93   | 90,5 | 87,5 | 84   | 80   | 76,5 | 67   | 57   | 44   |      |      |      |



**جدول ابعاد و اوزان پمپ سائر**

| Type          | DNA | DNM | l     | a   | m1  | m2 | n1  | n2  | h1  | h2  | s  | b  | w     | x1  | x2  | z1  | z2  | d  | kg    |
|---------------|-----|-----|-------|-----|-----|----|-----|-----|-----|-----|----|----|-------|-----|-----|-----|-----|----|-------|
| IR50-125C     | 65  | 50  | 346,5 | 100 | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 245   | -   | -   | -   | -   | -  | 38    |
| IR50-125B     | 65  | 50  | 370,5 | 100 | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 270   | -   | -   | -   | -   | -  | 39    |
| IR50-125A     | 65  | 50  | 396   | 100 | 100 | 70 | 240 | 190 | 132 | 160 | 14 | 50 | 275   | -   | -   | -   | -   | -  | 44    |
| IR50-160B     | 65  | 50  | 423,5 | 100 | 100 | 70 | 265 | 212 | 160 | 180 | 14 | 50 | 305   | -   | -   | -   | -   | -  | 53    |
| IR50-160A     | 65  | 50  | 423,5 | 100 | 100 | 70 | 265 | 212 | 160 | 180 | 14 | 50 | 305   | -   | -   | -   | -   | -  | 60    |
| IR50-160NC    | 65  | 50  | 423,5 | 100 | 100 | 70 | 265 | 212 | 160 | 180 | 14 | 50 | 305   | -   | -   | -   | -   | -  | 53    |
| IR50-160NB    | 65  | 50  | 423,5 | 100 | 100 | 70 | 265 | 212 | 160 | 180 | 14 | 50 | 305   | -   | -   | -   | -   | -  | 60    |
| IR50-160NA    | 65  | 50  | 484,5 | 100 | 100 | 70 | 265 | 212 | 160 | 180 | 14 | 50 | 345   | -   | -   | -   | -   | -  | 71    |
| IR50-200C     | 65  | 50  | 489,5 | 102 | 100 | 70 | 265 | 212 | 162 | 202 | 14 | 50 | 350   | -   | -   | -   | -   | -  | 77    |
| IR50-200B     | 65  | 50  | 489,5 | 102 | 100 | 70 | 265 | 212 | 162 | 202 | 14 | 50 | 130,5 | 320 | 280 | 260 | 215 | 12 | 82    |
| IR50-200A     | 65  | 50  | 527,5 | 102 | 100 | 70 | 265 | 212 | 162 | 202 | 14 | 50 | 148,5 | 320 | 280 | 260 | 215 | 12 | 89    |
| IR50-200NC/NB | 65  | 50  | 527,5 | 102 | 100 | 70 | 265 | 212 | 162 | 202 | 14 | 50 | 148,5 | 320 | 280 | 260 | 215 | 12 | 89-90 |
| IR50-200NA    | 65  | 50  | 650   | 102 | 100 | 70 | 265 | 212 | 162 | 202 | 14 | 50 | 149,5 | 410 | 370 | 320 | 255 | 14 | 136   |
| IR50-250ND    | 65  | 50  | 563,5 | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 184,5 | 320 | 280 | 260 | 215 | 12 | 94    |
| IR50-250NC/B  | 65  | 50  | 650   | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 149,5 | 320 | 280 | 260 | 215 | 12 | 136   |
| IR50-250NC/A  | 65  | 50  | 650   | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 149,5 | 320 | 280 | 260 | 215 | 12 | 138   |
| IR50-250NB/B  | 65  | 50  | 650   | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 149,5 | 320 | 280 | 260 | 215 | 12 | 140   |
| IR50-250NB/A  | 65  | 50  | 650   | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 149,5 | 320 | 280 | 260 | 215 | 12 | 142   |
| IR50-250NA    | 65  | 50  | 674,5 | 100 | 125 | 95 | 320 | 250 | 180 | 225 | 14 | 65 | 139,5 | 410 | 370 | 320 | 255 | 14 | 249   |

| DNA |     |     |    |       |
|-----|-----|-----|----|-------|
| D   | K   | C   | DN | Holes |
| 185 | 145 | 122 | 65 | 19 4  |

| DNA |     |     |    |       |
|-----|-----|-----|----|-------|
| D   | K   | C   | DN | Holes |
| 165 | 125 | 102 | 50 | 19 4  |







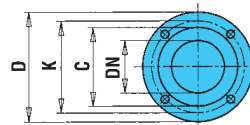
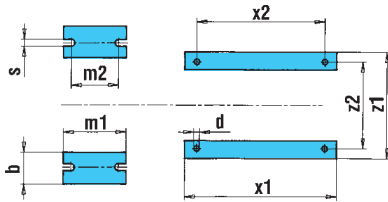
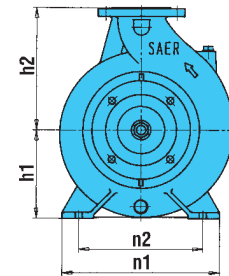
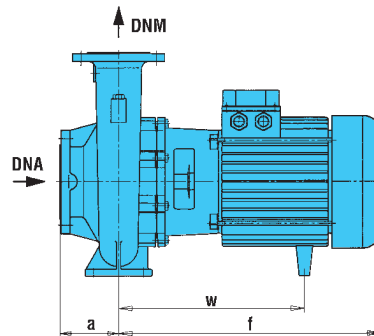
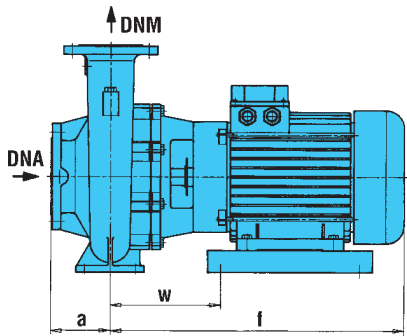






## سری IR 4P 100 1450 rpm جدول ارتفاع و آبدهی پمپ سائر

| Type          | P2   |      | In (A)<br>3~<br>V<br>400<br>Δ | Is /<br>In | UQ    | Flow              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------|------|------|-------------------------------|------------|-------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|               | kW   | HP   |                               |            |       | Q                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|               |      |      |                               |            |       | .S.g.p.m.         | 0    | 264  | 286  | 308  | 330  | 350  | 396  | 440  | 484  | 528  | 572  | 616  | 660  | 704  | 748  | 792  | 880  | 990  | 1100 | 1210 | 1321 | 1431 | 1541 |      |
|               |      |      |                               |            |       | m <sup>3</sup> /h | 0    | 60   | 65   | 70   | 75   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  | 200  | 225  | 250  | 275  | 300  | 325  | 350  |      |
|               |      |      |                               |            |       | l/min             | 0    | 1000 | 1083 | 1167 | 1250 | 1333 | 1500 | 1667 | 1833 | 2000 | 2167 | 2333 | 2500 | 2667 | 2833 | 3000 | 3333 | 3750 | 4167 | 4583 | 5000 | 5417 | 5833 |      |
| IR4P-100-200C | 5,5  | 7,5  | 6,6                           | 6,3        | H (m) |                   | 10,8 | 10,5 | 10,4 | 10,3 | 10,1 | 10   | 9,8  | 9,4  | 9    | 8,4  | 7,9  | 7,1  | 6,5  | 5,6  |      |      |      |      |      |      |      |      |      |      |
| IR4P-100-200A | 7,5  | 10   | 14                            | 7,7        |       |                   |      | 15,1 | 15   | 15   | 15   | 14,9 | 14,8 | 14,6 | 14,3 | 13,9 | 13,5 | 13,1 | 12,5 | 11,8 | 11,1 | 10,4 | 9,5  | 8    |      |      |      |      |      |      |
| IR4P-100-250B | 9,2  | 12,5 | 18,4                          | 7,8        |       |                   |      | 21   | 20,9 | 20,9 | 20,8 | 20,7 | 20,6 | 20,4 | 20,2 | 20   | 19,5 | 19   | 18,5 | 17,5 | 17   | 16,5 | 15   | 12,4 | 10   | 7    |      |      |      |      |
| IR4P-100-250A | 15   | 20   | 27,7                          | 6,8        |       |                   |      | 24,7 | 24,7 | 24,7 | 24,7 | 24,7 | 24,6 | 24,4 | 24   | 23,8 | 23,5 | 23,3 | 22,6 | 22,2 | 21,4 | 20,6 | 20   | 18,2 | 15,9 | 13,4 | 10   |      |      |      |
| IR4P-100-315C | 18,5 | 25   | 37                            | 6,7        |       |                   |      | 28   | 28   | 28   | 27,9 | 27,8 | 27,7 | 27,6 | 27,5 | 27   | 26,7 | 26,2 | 25,8 | 25,4 | 24,8 | 24,4 | 23,6 | 22,3 | 20,2 | 18   |      |      |      |      |
| IR4P-100-315B | 22   | 30   | 46                            | 6,3        |       |                   |      | 33,7 |      |      | 33,7 | 33,7 | 33,5 | 33,5 | 33,4 | 33,3 | 32,9 | 32,5 | 32,5 | 32,1 | 31,8 | 31,5 | 30,5 | 28,8 | 27,6 | 25,6 |      |      |      |      |
| IR4P-100-315A | 30   | 40   | 53,1                          | 6,7        |       |                   |      | 40   |      |      | 39,9 | 39,3 | 39,2 | 39   | 38,7 | 38,4 | 38,1 | 37,7 | 37,1 | 36,8 | 35,7 | 35,2 | 34,7 | 34   | 32,3 | 30   | 27,9 | 25   | 21,8 | 18,2 |



## جدول ابعاد و اوزان پمپ سائر

| Type            | DNA | DNM | l     | a   | m1  | m2  | n1  | n2  | h1  | h2  | s  | b  | w     | x1  | x2  | z1  | z2  | d  | kg      |
|-----------------|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|----|----|-------|-----|-----|-----|-----|----|---------|
| IR4P-100-200C   | 125 | 100 | 504,5 | 125 | 160 | 120 | 360 | 280 | 200 | 280 | 18 | 80 | 145,5 | 320 | 280 | 260 | 215 | 12 | 124     |
| IR4P-100-200A   | 125 | 100 | 542,5 | 125 | 160 | 120 | 360 | 280 | 200 | 280 | 18 | 80 | 163,5 | 320 | 280 | 260 | 215 | 12 | 130     |
| IR4P-100-250B   | 125 | 100 | 655,5 | 140 | 160 | 120 | 400 | 315 | 225 | 280 | 18 | 80 | 190   | 410 | 370 | 320 | 255 | 14 | 174     |
| IR4P-100-250A   | 125 | 100 | 681   | 140 | 160 | 120 | 400 | 315 | 225 | 280 | 18 | 80 | 190   | 410 | 370 | 320 | 255 | 14 | 189     |
| IR4P-100-315C-B | 125 | 100 | 753,5 | 140 | 160 | 120 | 400 | 315 | 250 | 315 | 18 | 80 | 226   | 410 | 370 | 345 | 280 | 14 | 323-331 |
| IR4P-100-315A   | 125 | 100 | 753,5 | 140 | 160 | 120 | 400 | 315 | 250 | 315 | 18 | 80 | 185,5 | 410 | 305 | 390 | 318 | 18 | 366     |

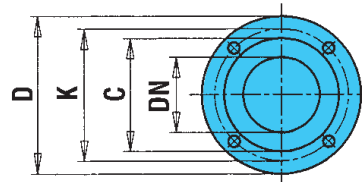
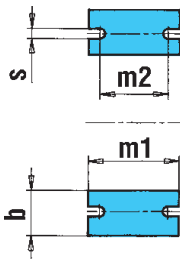
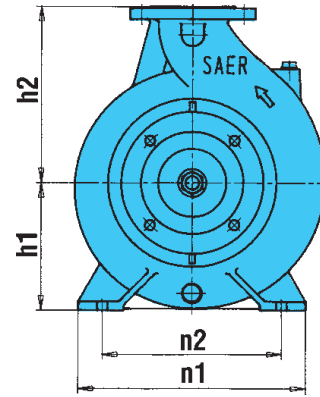
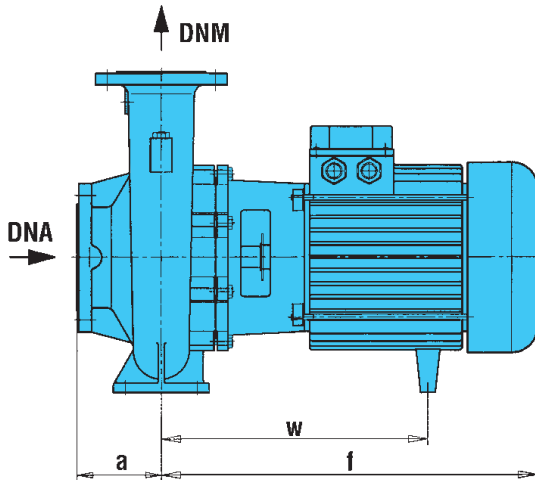
| DNA |     |     |     |               |
|-----|-----|-----|-----|---------------|
| D   | K   | C   | DN  | Holes<br>ø n° |
| 250 | 210 | 188 | 125 | 19 8          |

| DNM |     |     |     |               |
|-----|-----|-----|-----|---------------|
| D   | K   | C   | DN  | Holes<br>ø n° |
| 220 | 180 | 158 | 100 | 19 8          |

**سری IR 4P 80 1450 rpm**

**جدول ارتفاع و آبدهی پمپ سائر**

| Type          | P2   |    | In (A)<br>3~<br>V<br>400 Δ | Is <sub>y</sub><br>In | UQ    | U.S.g.p.m |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------|------|----|----------------------------|-----------------------|-------|-----------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|               | kW   | HP |                            |                       |       | 0         | 330  | 350 | 396  | 440  | 484  | 528  | 572  | 616  | 660  | 704  | 748  | 793  | 880  | 990  | 1100 | 1210 | 1320 | 1430 | 1540 | 1650 | 1760 |
|               |      |    | m <sup>3</sup> /h          | 0                     | 75    | 80        | 90   | 100 | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  | 200  | 225  | 250  | 275  | 300  | 325  | 350  | 375  | 400  |      |      |
| IR4P-125-250B | 11   | 15 | 23,5                       | 6,7                   | H (m) | 17,5      | 17,2 | 17  | 16,9 | 16,8 | 16,7 | 16,5 | 16,2 | 15,9 | 15,6 | 15,3 | 15   | 14,7 | 14   | 13,5 | 12,4 | 10,5 | 9    | 7    |      |      |      |
| IR4P-125-250A | 18,5 | 25 | 36,5                       | 6,7                   |       | 24,5      |      |     |      | 24   | 23,9 | 23,8 | 23,6 | 23,4 | 23,1 | 22,9 | 22,6 | 22,4 | 21,6 | 21   | 20   | 18,7 | 17,5 | 15,5 | 13,8 | 12   | 10   |
| IR4P-125-315C | 18,5 | 25 | 37,5                       | 6,3                   |       | 28        |      |     |      | 26,5 | 26,3 | 25,8 | 25,5 | 25   | 24,7 | 24,4 | 23,8 | 23,2 | 21,9 | 20,1 | 18   | 15,3 | 12,5 |      |      |      |      |
| IR4P-125-315B | 30   | 40 | 53,1                       | 6,7                   |       | 34,5      |      |     |      | 33,5 | 33,4 | 33   | 32,9 | 32,7 | 32,3 | 32,2 | 31,7 | 31,5 | 30,7 | 29,6 | 28   | 26,4 | 24,6 | 22,8 | 20   | 17,6 | 15   |



**جدول ابعاد و اوزان پمپ سائر**

| Type          | DNA | DNM | l     | a   | m1  | m2  | n1  | n2  | h1  | h2  | s  | b   | w     | x1  | x2  | z1  | z2  | d  | kg  |
|---------------|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|----|-----|-------|-----|-----|-----|-----|----|-----|
| IR4P-125-250B | 150 | 125 | 681   | 140 | 160 | 120 | 400 | 315 | 250 | 355 | 18 | 80  | 190   | 410 | 370 | 320 | 255 | 14 | 236 |
| IR4P-125-250A | 150 | 125 | 753,5 | 140 | 160 | 120 | 400 | 315 | 250 | 355 | 18 | 80  | 226   | 410 | 370 | 345 | 280 | 14 | 276 |
| IR4P-125-315C | 150 | 125 | 752,5 | 140 | 200 | 150 | 500 | 400 | 280 | 355 | 24 | 100 | 225   | 410 | 370 | 345 | 280 | 14 | 448 |
| IR4P-125-315B | 150 | 125 | 752,5 | 140 | 200 | 150 | 500 | 400 | 280 | 355 | 24 | 100 | 184,5 | 410 | 305 | 390 | 318 | 18 | 483 |

| DNA |     |     |     |               |
|-----|-----|-----|-----|---------------|
| D   | K   | C   | DN  | Holes<br>ø n° |
| 285 | 240 | 212 | 150 | 22 8          |

| DNM |     |     |     |               |
|-----|-----|-----|-----|---------------|
| D   | K   | C   | DN  | Holes<br>ø n° |
| 250 | 210 | 188 | 125 | 19 8          |

**سری IR 3000 rpm**  
جدول ارتفاع و آبدهی پمپ سائر

| Type         | P2   |      | Motor | Q        | U.S.g.p.m | 0    | 17   | 26   | 35   | 44   | 53   | 62   | 70  |
|--------------|------|------|-------|----------|-----------|------|------|------|------|------|------|------|-----|
|              | kW   | HP   |       |          | m3/h      | 0    | 4    | 6    | 8    | 10   | 12   | 14   | 16  |
|              |      |      |       |          | 1/min     | 0    | 67   | 100  | 133  | 167  | 200  | 233  | 267 |
| IR32-125C    | 0.75 | 1    | 80    | H<br>(m) | 17        | 16.6 | 16   | 15.3 | 14.3 | 13.2 | 11.8 | 10.3 |     |
| IR32-125B    | 1.1  | 1.5  | 80    |          | 21        | 20.6 | 20.1 | 19.2 | 17.8 | 15.8 | 14.1 | 12.3 |     |
| IR32-125A    | 1.5  | 2    | 80    |          | 25.4      | 25   | 24.6 | 24.1 | 23.2 | 22   | 20.5 | 18.8 |     |
| IR32-160C    | 1.5  | 2    | 80    |          | 28        | 27.4 | 27   | 26.3 | 25.6 | 24.8 | 23.4 | 22.3 |     |
| IR32-160B    | 2.2  | 3    | 90S   |          | 33        | 32.2 | 32   | 31   | 30.2 | 29.2 | 28   | 27   |     |
| IR32-160A    | 3    | 4    | 901   |          | 37        | 36.5 | 36   | 35.4 | 34.7 | 33.8 | 32.8 | 31.6 |     |
| IR32-160NC   | 3    | 4    | 112   |          | 29        |      |      | 29   | 28.8 | 28.3 | 27.5 | 26.2 |     |
| IR32-160NB   | 4    | 5.5  | 112   |          | 36.4      |      |      | 36.4 | 36.2 | 35.8 | 35.4 | 34.7 |     |
| 1R32-160NA   | 5.5  | 7.5  | 112   |          | 43        |      |      | 42.4 | 42.2 | 41.9 | 41.3 | 41   |     |
| IR32-200N    | 4    | 5.5  | 112M  |          | 56.3      |      | 54.7 | 54   | 53   | 51.7 | 50.2 | 48.6 |     |
| IR32-200NC   | 4    | 5.5  | 112M  |          | 46        |      | 45   | 44   | 43   | 41.3 | 39.8 | 38.2 |     |
| IR32-200NB   | 5.5  | 7.5  | 112MA |          | 53.6      |      | 53   | 52.8 | 52.5 | 51.7 | 51.1 | 50.2 |     |
| IR32-200NA   | 7.5  | 10   | 112M  |          | 63        |      | 62.8 | 62.6 | 62.5 | 62.3 | 62.2 | 62   |     |
| IR32-250E    | 7.5  | 10   | 112MA |          | 64        |      |      | 63   | 62.6 | 62.4 | 61.8 | 61.3 |     |
| IR32-250D    | 9.2  | 12.5 | 132S  |          | 70        |      |      | 69.8 | 69.6 | 69.3 | 68.9 | 68.4 |     |
| IR32-250C    | 11   | 15   | 132S  |          | 76.3      |      |      | 76.3 | 76   | 75.7 | 75.3 | 74.8 |     |
| IR32-250B    | 13.5 | 18.3 | 132M  |          | 86        |      |      | 83.5 | 83   | 82.2 | 81.9 | 81.3 |     |
| IR32-250A    | 15   | 20   | 132M  |          | 94        |      |      | 92   | 91   | 90.5 | 90   | 89.5 |     |
| IR40-125C    | 1.5  | 2    | 80    |          | 18.5      |      |      | 18.5 | 18.3 | 18.1 | 17.8 | 17.5 |     |
| IR40-125B    | 2.2  | 3    | 90S   |          | 22        |      |      |      | 22   | 22   | 21.8 | 21.5 |     |
| 1R40-125A    | 3    | 4    | 90L   |          | 27.5      |      |      |      | 27.5 | 27.3 | 27.1 | 24.8 |     |
| IR40-160NC/B | 3    | 4    | 112   |          | 32        |      |      |      | 31.7 | 31.6 | 31.4 | 31   |     |
| IR40-160NB/B | 4    | 5.5  | 112   |          | 36.7      |      |      |      |      | 36.6 | 36.5 | 36.3 |     |
| IR40-160NC/A | 4    | 5.5  | 112   |          | 32        |      |      |      |      | 31.6 | 31.4 | 31   |     |
| IR40-160NB/A | 5.5  | 7.5  | 112   |          | 36.7      |      |      |      |      | 36.6 | 36.5 | 36.3 |     |
| IR40-160NA   | 5.5  | 7.5  | 112M  |          | 39        |      |      |      |      | 39   | 39   | 38.9 |     |
| IR40-200C    | 4    | 5.5  | 112M  |          | 45        |      |      |      |      | 43.9 | 43.7 | 43.5 |     |
| IR40-200B    | 5.5  | 7.5  | 112M  |          | 48.8      |      |      |      |      | 48.3 | 48   | 47.5 |     |
| IR40-200A    | 7.5  | 10   | 112MA |          | 58.2      |      |      |      |      | 58   | 57.9 | 57.9 |     |
| IR40-200NB   | 7.5  | 10   | 112MA |          | 53        |      |      |      |      |      |      |      |     |
| IR40-200NA   | 11   | 15   | 132S  |          | 61        |      |      |      |      |      |      |      |     |
| IR40-250C    | 9.2  | 12.5 | 132S  |          | 63        |      |      |      |      | 61   | 60.6 | 60.3 |     |
| IR40-250B    | 11   | 15   | 132S  |          | 70.4      |      |      |      |      | 68.1 | 67.2 | 66.4 |     |
| IR40-250A    | 15   | 20   | 132M  |          | 88        |      |      |      |      | 87.6 | 86.9 | 84.3 |     |
| IR40-250NE   | 12.5 | 17   | 132S  |          | 47.5      |      |      |      | 66.7 | 66.4 | 65.9 | 65.4 |     |
| IR40-250ND   | 15   | 20   | 132S  |          | 74        |      |      |      | 73   | 72.8 | 72.5 | 72.3 |     |
| IR40-250NC   | 17   | 23   | 132M  |          | 82        |      |      |      | 81   | 80.8 | 80.5 | 80.2 |     |
| IR40-250HB   | 18.5 | 25   | 160L  |          | 89        |      |      |      | 88.5 | 88.3 | 87.9 | 87.6 |     |
| 1R40-250NA   | 22   | 30   | 160L  |          | 98        |      |      |      | 95.8 | 95.6 | 95.4 | 95   |     |



**سری IR 3000 rpm**  
جدول ارتفاع و آبدهی پمپ سائز

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 79   | 88   | 110  | 132  | 154  | 176  | 198  | 220  | 242  | 264  | 286  | 308  |
| 18   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   |
| 300  | 333  | 417  | 500  | 583  | 667  | 750  | 833  | 917  | 1000 | 1083 | 1167 |
|      |      |      |      |      |      |      |      |      |      |      |      |
|      |      |      |      |      |      |      |      |      |      |      |      |
| 16.9 | 15   |      |      |      |      |      |      |      |      |      |      |
| 20.7 | 18.5 |      |      |      |      |      |      |      |      |      |      |
| 25   | 23.2 |      |      |      |      |      |      |      |      |      |      |
| 30.1 | 28.3 |      |      |      |      |      |      |      |      |      |      |
| 25.8 | 25.5 | 22.3 | 18.5 |      |      |      |      |      |      |      |      |
| 34   | 33.2 | 31   | 27.5 | 23   |      |      |      |      |      |      |      |
| 40.5 | 39.8 | 38   | 34.5 | 31.1 | 26   |      |      |      |      |      |      |
|      |      |      |      |      |      |      |      |      |      |      |      |
| 36.2 | 34.4 | 27.5 |      |      |      |      |      |      |      |      |      |
| 49.8 | 47.4 | 43   | 35   |      |      |      |      |      |      |      |      |
| 60.6 | 59.5 | 57.5 | 49.7 | 38.6 |      |      |      |      |      |      |      |
| 60.9 | 59   | 56   |      |      |      |      |      |      |      |      |      |
| 68.1 | 67.3 | 65.3 | 63   |      |      |      |      |      |      |      |      |
| 74.4 | 73.8 | 71.4 | 68.8 |      |      |      |      |      |      |      |      |
| 80.8 | 80   | 79.2 | 75   | 55   |      |      |      |      |      |      |      |
| 89   | 88.4 | 87.3 | 86   | 66   |      |      |      |      |      |      |      |
| 16.9 | 16.2 | 14.8 | 12.5 | 9.4  |      |      |      |      |      |      |      |
| 21.2 | 20.8 | 19.4 | 17.5 | 14.9 |      |      |      |      |      |      |      |
| 26.4 | 26   | 24.5 | 23   | 19.8 | 17.2 |      |      |      |      |      |      |
| 30.7 | 30.2 | 28.8 | 26.7 |      |      |      |      |      |      |      |      |
| 36   | 35.5 | 34   | 32   | 30.1 |      |      |      |      |      |      |      |
| 30.7 | 30.2 | 28.8 | 26.7 | 23   | 21   | 16   |      |      |      |      |      |
| 36   | 35.5 | 34   | 32   | 30.1 | 27.4 | 24.5 | 20.5 |      |      |      |      |
| 38.8 | 38.7 | 37.4 | 36   | 33.8 | 31.8 | 28.7 | 25.4 | 22   |      |      |      |
| 42.2 | 41.2 | 37.3 | 33.5 |      |      |      |      |      |      |      |      |
| 46.8 | 46   | 43.6 | 40.4 | 36.5 | 31.4 |      |      |      |      |      |      |
| 57.6 | 57   | 55   | 52   | 48   | 42   |      |      |      |      |      |      |
|      | 52.5 | 51.4 | 49.4 | 47   | 44.2 | 41.5 | 37.5 | 30.5 |      |      |      |
|      | 60   | 59   | 57   | 56   | 54   | 50   | 47   | 41.5 | 35   |      |      |
| 59.1 | 58   | 54.5 | 50   | 49   | 45   |      |      |      |      |      |      |
| 65.5 | 64.5 | 62.5 | 59.5 | 56.5 | 53   |      |      |      |      |      |      |
| 85.7 | 85   | 82.9 | 79   | 75   | 71   |      |      |      |      |      |      |
| 64.8 | 64   | 62.3 | 60.3 | 58.3 | 54.3 | 44.9 | 45.3 | 43   |      |      |      |
| 72   | 71   | 70   | 68   | 66   | 64   | 62   | 60   | 57   | 54   |      |      |
| 80   | 79   | 78   | 76.5 | 75   | 73   | 70.5 | 68   | 65   | 62   | 57.5 | 55   |
| 87.3 | 86   | 85.5 | 84   | 82.1 | 80   | 77.5 | 74.6 | 71.4 | 68   | 63.4 | 60   |
| 94.5 | 93.2 | 91.6 | 89.7 | 87.8 | 85.2 | 83.9 | 79   | 75.8 | 71.3 | 66.8 | 61   |

**سری 3000 rpm IR**  
**جدول ارتفاع و آبدهی پمپ سائر**

| Type         | P2   |      | Motor | Q     | H (m)     |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
|--------------|------|------|-------|-------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|
|              | kW   | HP   |       |       | U.S.g.p.m | 0    | 79   | 88   | 110  | 132  | 154  | 176  | 198  | 220  | 242  | 264  | 286  |  |  |  |
|              |      |      |       |       | m3/h      | 0    | 18   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   |  |  |  |
|              |      |      |       |       | l/min     | 0    | 300  | 333  | 417  | 500  | 583  | 667  | 750  | 833  | 917  | 1000 | 1083 |  |  |  |
| IR50-125C    | 2.2  | 3    | 90S   | 17.5  | 17.2      | 17   | 16.7 | 16   | 15.2 | 14.3 | 13.2 | 12   | 10   | 8    |      |      |      |  |  |  |
| IR50-125B    | 3    | 4    | 90L   | 21.2  |           | 20.6 | 20   | 19.4 | 16.6 | 17.6 | 16.6 | 15.3 | 13.9 | 13   | 11   |      |      |  |  |  |
| IR50-125A    | 4    | 5.5  | 100L  | 24.2  |           |      | 24.4 | 23.9 | 23.2 | 22.4 | 21.4 | 20.3 | 19.1 | 17.7 | 17   |      |      |  |  |  |
| IR50-160B    | 5.5  | 7.5  | 112M  | 32.5  |           |      | 32   | 31   | 30.1 | 26.8 | 27.5 | 25.9 | 24.1 | 22.3 | 20.3 |      |      |  |  |  |
| IR50-160A    | 7.5  | 10   | 112MA | 40.4  |           |      | 40   | 39.4 | 38.6 | 37.7 | 36.6 | 35.2 | 33.7 | 31.8 | 29.7 |      |      |  |  |  |
| IR50-160NC   | 5.5  | 7.5  | 112M  | 30.5  |           |      |      |      |      | 27.7 | 27   | 26   | 24.9 | 23.6 | 22.1 |      |      |  |  |  |
| IR50-160NB   | 7.5  | 10   | 112MA | 39    |           |      |      |      |      | 36.8 | 35.8 | 35   | 33.7 | 32.3 | 30.7 |      |      |  |  |  |
| IR50-160NA   | 9.2  | 12.5 | 132S  | 44    |           |      |      |      |      | 40.6 | 40   | 39   | 38   | 36   | 35.2 |      |      |  |  |  |
| 1R50-200C    | 9.2  | 12.5 | 132S  | 52.2  |           |      | 52.1 | 51   | 49.6 | 47.8 | 45.9 | 43.4 | 41   | 38.2 | 35   |      |      |  |  |  |
| IR50-200B    | 11   | 15   | 132S  | 58    |           |      | 57.3 | 55.8 | 54.3 | 52.3 | 50.1 | 47.2 | 44.2 | 40.8 | 37.3 |      |      |  |  |  |
| IR50-200A    | 15   | 20   | 132M  | 61.8  |           |      | 60   | 59.2 | 58   | 56.5 | 55   | 53   | 50.5 | 48   | 45   |      |      |  |  |  |
| IR50-200NC   | 15   | 20   | 132M  | 53.3  |           |      |      |      |      |      |      | 49.2 | 48   | 44.5 | 44   |      |      |  |  |  |
| 1R50-200NB   | 17   | 23   | 132M  | 61.5  |           |      |      |      |      |      |      | 56.4 | 55   | 53   | 51.5 |      |      |  |  |  |
| IR50-200NA   | 22   | 30   | 160L  | 71    |           |      |      |      |      |      |      | 66.8 | 66   | 65   | 64   |      |      |  |  |  |
| IR50-250ND   | 17   | 23   | 132M  | 69    |           |      | 68.5 | 67   | 66   | 64   | 62.5 | 61   | 58   | 56   | 50.5 |      |      |  |  |  |
| IR50-250NC/B | 18.5 | 25   | 160L  | 80    |           |      | 79   | 78.5 | 77.5 | 76   | 74.5 | 72   | 70   | 68   | 44.5 |      |      |  |  |  |
| IR50-250NC/A | 20   | 27   | 160L  | 80    |           |      | 79   | 78.5 | 77.5 | 76   | 74.5 | 72   | 70   | 68   | 64.5 |      |      |  |  |  |
| IR50-250NB/B | 22   | 30   | 160L  | 88.5  |           |      | 88   | 87   | 86.5 | 85   | 84   | 82   | 80   | 77   | 74   |      |      |  |  |  |
| IR50-250NB/A | 25   | 34   | 160L  | 88.5  |           |      | 88   | 87   | 86.5 | 85   | 84   | 82   | 80   | 77   | 74   |      |      |  |  |  |
| IR50-250NA   | 30   | 40   | 180L  | 100.5 |           |      | 100  | 99.5 | 99   | 98   | 97   | 94.5 | 93   | 90.5 | 87.5 |      |      |  |  |  |
| IR65-125D    | 3    | 4    | 90L   | 12.5  |           |      |      | 12   | 12   | 11.9 | 11.8 | 11.6 | 11.4 | 11   | 10   |      |      |  |  |  |
| IR65-125C    | 4    | 5.5  | 100L  | 17    |           |      |      | 16   | 15.9 | 15.6 | 15.5 | 15.4 | 15.2 | 15   | 14.6 |      |      |  |  |  |
| IR65-125B    | 5.5  | 7.5  | 112M  | 21.5  |           |      |      | 21   | 21   | 20.9 | 20.9 | 20.8 | 20   | 20.5 | 20   |      |      |  |  |  |
| IR65-125A    | 7.5  | 10   | 112MA | 26.5  |           |      |      | 26   | 26   | 25.9 | 25.9 | 25.8 | 25.7 | 25.6 | 25.4 |      |      |  |  |  |
| IR65-160C    | 9.2  | 12.5 | 132S  | 32.8  |           |      |      | 32.3 | 31.8 | 31.6 | 31   | 30.8 | 30.6 | 30.1 | 29.3 |      |      |  |  |  |
| IR65-160B    | 11   | 15   | 132S  | 39.3  |           |      |      | 38.8 | 38.6 | 38.3 | 38   | 37.8 | 37.5 | 37   | 36.7 |      |      |  |  |  |
| IR65-160A    | 15   | 20   | 132M  | 43    |           |      |      | 43   | 42.8 | 42.7 | 42.5 | 42.3 | 41.9 | 41.7 | 41.4 |      |      |  |  |  |
| IR65-200C    | 15   | 20   | 132M  | 43    |           |      |      |      |      |      |      | 42   | 41.6 | 41   | 40.5 |      |      |  |  |  |
| IR65-200B    | 18.5 | 25   | 160L  | 48    |           |      |      |      |      |      |      | 47.9 | 47.3 | 47   | 46.9 |      |      |  |  |  |
| IR65-200A    | 22   | 30   | 160L  | 55    |           |      |      |      |      |      |      | 55.1 | 55   | 54.9 | 54.2 |      |      |  |  |  |
| IR65-200NC   | 18.5 | 25   | 160L  | 44.3  |           |      |      |      |      | 46.2 | 45.9 | 45.4 | 45   | 44   | 43.1 |      |      |  |  |  |
| IR65-200NB   | 22   | 30   | 160L  | 50.7  |           |      |      |      |      | 53.6 | 53.4 | 53.6 | 53   | 52.9 | 52.3 |      |      |  |  |  |
| IR65-200NA   | 30   | 40   | 180L  | 64    |           |      |      |      |      | 66.5 | 66.3 | 66   | 65.7 | 65.3 | 45   |      |      |  |  |  |
| IR65-250NC   | 22   | 30   | 200L  | 68.2  |           |      |      |      |      |      |      | 68.8 | 68.5 | 68   | 67.5 |      |      |  |  |  |
| IR65-250NB   | 30   | 40   | 112M  | 76    |           |      |      |      |      |      |      | 75   | 74.7 | 74.4 | 74   |      |      |  |  |  |
| IR65-250NA   | 37   | 50   | 200L  | 89    |           |      |      |      |      |      |      | 89.5 | 89.2 | 89   | 88.5 |      |      |  |  |  |
| IR80-160G    | 5.5  | 7.5  | 112M  | 17.8  |           |      |      |      |      |      |      |      |      |      | 17.3 |      |      |  |  |  |
| IR80-160F    | 7.5  | 10   | 112MA | 20.2  |           |      |      |      |      |      |      |      |      |      | 19.9 |      |      |  |  |  |
| IR80-160E    | 9.2  | 12.5 | 132S  | 25.3  |           |      |      |      |      |      |      |      |      |      | 25.3 |      |      |  |  |  |
| IR80-160D    | 11   | 15   | 132S  | 26.5  |           |      |      |      |      |      |      |      |      |      | 24.5 |      |      |  |  |  |
| IR80-160C    | 15   | 20   | 132M  | 30.5  |           |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
| IR80-160B    | 18.5 | 25   | 160L  | 37    |           |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
| IR80-160A    | 22   | 30   | 160L  | 40.3  |           |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
| IR80-200B    | 30   | 40   | 180L  | 50    |           |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
| IR80-200A    | 37   | 50   | 200L  | 56    |           |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |

**سری IR 3000 rpm**  
جدول ارتفاع و آبدهی پمپ سائر

|      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|------|------|--------|
| 308  | 330  | 352  | 396  | 440  | 484  | 528  | 572  | 616  | 660  | 704  | 726    | 748  | 792  | 858  | 924  | 990  | 1100 | 1210   |
| 70   | 75   | 80   | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 165    | 170  | 180  | 195  | 210  | 225  | 250  | 275    |
| 1167 | 1250 | 1333 | 1500 | 1667 | 1833 | 2000 | 2167 | 2333 | 2500 | 2667 | 2752.5 | 2833 | 3000 | 3250 | 3500 | 3750 | 4172 | 4589.5 |
|      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
|      |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 18.4 | 16.6 |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 27.6 | 25.7 |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 20.6 | 20   |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 29   | 27   | 25   |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 34   | 32   | 30   | 26   |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 32.3 | 28.4 |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 33.8 |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 41   | 30   |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 44.5 | 43   | 41.5 | 36.5 | 30.5 |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 50   | 48   | 47   | 42   | 37   |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 62   | 60   | 58   | 52.5 | 45.5 | 38   | 31.5 |      |      |      |      |        |      |      |      |      |      |      |        |
| 47.3 | 44.2 | 40.2 |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 61.5 |      |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 61.5 | 58   | 54   |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 71   | 68   |      |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 71   | 68   | 64.5 | 57   | 44   |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 84   | 80   | 76.5 | 57   | 44   |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 9.5  | 8    | 7.4  |      |      |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 14.2 | 13.5 | 13   | 11   | 8    |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 19.9 | 19   | 18.1 | 16.4 | 14   |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 25   | 24.5 | 24   | 22   | 19.4 | 17   |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 28.7 | 27.8 | 27.1 | 25.2 | 23.1 | 20.3 |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 36.2 | 35.8 | 35   | 33.5 | 31.6 | 29.2 |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 40.8 | 40.4 | 39.7 | 38.2 | 36.2 | 33.5 | 30   | 28   |      |      |      |        |      |      |      |      |      |      |        |
| 39.8 | 39   | 38   | 35.9 | 33   | 31   | 27   | 23   |      |      |      |        |      |      |      |      |      |      |        |
| 46.2 | 45.8 | 45   | 42.8 | 40   | 36.9 | 33   | 30   | 25   |      |      |        |      |      |      |      |      |      |        |
| 54   | 53.5 | 53   | 51.5 | 49.5 | 47   | 44.2 | 41   | 35   |      |      |        |      |      |      |      |      |      |        |
| 42.1 | 41.1 | 39.9 | 37.8 | 35.3 | 32.4 | 29.5 | 25.8 | 21.4 |      |      |        |      |      |      |      |      |      |        |
| 51.6 | 50.8 | 50   | 48.3 | 46.4 | 44.3 | 41.7 | 38.5 | 35.3 | 31.3 | 27.5 |        |      |      |      |      |      |      |        |
| 64.7 | 64.1 | 63.7 | 62   | 60   | 58   | 55.6 | 53   | 50   | 47   | 43   | 40     | 38   |      |      |      |      |      |        |
|      | 66.3 | 65.3 | 63.8 | 62.8 |      |      |      |      |      |      |        |      |      |      |      |      |      |        |
| 73.5 | 73   | 72.5 | 72   | 69   | 67   | 63.5 |      |      |      |      |        |      |      |      |      |      |      |        |
| 88   | 87   | 86.5 | 85   | 84   | 82   | 79.5 | 76   |      |      |      |        |      |      |      |      |      |      |        |
| 16.5 | 16   | 15.8 | 15   | 14   | 13.1 | 12   | 11   | 10   |      |      |        |      |      |      |      |      |      |        |
| 19.4 | 19   | 18.5 | 18   | 17   | 16   | 15   | 14.5 | 13.7 | 11.7 | 11   | 10.5   |      |      |      |      |      |      |        |
| 25   | 24.8 | 24.5 | 24.2 | 23   | 22   | 21   | 20.2 | 19.1 | 18.1 | 16.7 | 16     |      |      |      |      |      |      |        |
| 26.3 | 26.1 | 25.9 | 25.4 | 24.5 | 23.8 | 23   | 21.9 | 20.8 | 19.6 | 18.2 | 17.6   | 16   | 14.8 |      |      |      |      |        |
| 30.5 | 30.5 | 30.2 | 30   | 28.5 | 27.5 | 26.5 | 25   | 24   | 22.4 | 21   | 20     | 19.5 | 18.5 | 17   |      |      |      |        |
|      | 35.8 | 35.2 | 34.5 | 33.6 | 32.6 | 31.8 | 30.5 | 29.5 | 28.4 | 27   | 26.4   | 25.5 | 24.1 | 21   |      |      |      |        |
| 40.2 | 40   | 39.9 | 39.4 | 39   | 38.2 | 37.5 | 36.6 | 35.9 | 34.7 | 33.5 | 32.8   | 31.3 | 30.5 | 28.8 | 25.5 | 23.5 |      |        |
|      |      | 52.5 | 52   | 51.3 | 50.5 | 50.4 | 48.9 | 47.9 | 46.5 | 45.6 | 45     | 44.5 | 44   | 41   | 39   | 37   | 31   |        |
|      |      | 58.7 | 58.4 | 58   | 57.5 | 57   | 56   | 55.3 | 54.6 | 54   | 53.4   | 52.5 | 51.3 | 49.2 | 46.7 | 44   | 39   | 35     |

**سری 1450 rpm IR 4P**  
جدول ارتفاع و آبدهی پمپ سائر

| Type          | P2   |      | Motor | Q        | U.S.g.p.m | 0    | 13   | 17   | 26   | 35   | 44   | 53   | 62   | 70   | 79   | 88   | 110  | 132  | 154  | 176  | 198  |  |
|---------------|------|------|-------|----------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
|               | kW   | HP   |       |          | m3/h      | 0    | 3    | 4    | 6    | 8    | 10   | 12   | 14   | 16   | 18   | 20   | 25   | 30   | 35   | 40   | 45   |  |
|               |      |      |       |          | 1/min     | 0    | 50   | 67   | 100  | 133  | 167  | 200  | 233  | 267  | 300  | 333  | 417  | 500  | 583  | 667  | 750  |  |
| IR4P-32-125A  | 0.37 | 0.5  | 80    | H<br>(m) | 6.1       | 6    | 5.9  | 5.5  | 5    | 4    | 3.5  |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-32-160A  | 0.55 | 0.75 | 80    |          | 9.5       | 9.4  | 9.3  | 8.9  | 8.1  | 7.1  | 5.8  | 5    |      |      |      |      |      |      |      |      |      |  |
| IR4P-32-200NA | 1.1  | 1.5  | 90S   |          | 16.5      | 16.2 | 16   | 15.9 | 15.2 | 14   | 12.7 | 11.2 | 9.5  | 7.5  |      |      |      |      |      |      |      |  |
| IR4P-32-250C  | 2.2  | 3    | 100L  |          | 20        | 19.5 | 19.3 | 19   | 18.6 | 18.4 | 18   | 17.6 | 17.2 | 16.6 | 16.2 | 15   |      |      |      |      |      |  |
| IR4P-32-250A  | 2.2  | 3    | 100L  |          | 23.5      | 23.1 | 23   | 22.6 | 22.2 | 21.8 | 21.3 | 20.8 | 20.1 | 19.4 | 18.5 | 15.8 |      |      |      |      |      |  |
| IR4P-40-125A  | 0.37 | 0.5  | 80    |          | 6.2       |      |      | 6.1  | 6    | 5.8  | 5.5  | 5.1  | 4.7  | 4.2  |      |      |      |      |      |      |      |  |
| IR4P-40-160NA | 0.75 | 1    | 80    |          | 9.8       |      |      | 9.7  | 9.6  | 9.5  | 9.2  | 8.9  | 8.6  | 8.2  | 7.6  | 6.7  | 5    |      |      |      |      |  |
| IR4P-40-200A  | 1.1  | 1.5  | 90S   |          | 14        |      |      | 13.6 | 13.3 | 12.9 | 12.4 | 11.7 | 10.9 | 10.1 | 9.2  |      |      |      |      |      |      |  |
| IR4N0-250NC   | 2.2  | 3    | 100L  |          | 20        |      |      | 19.9 | 19.6 | 19.4 | 19.2 | 19   | 18.4 | 18.3 | 17.8 | 16.4 | 15   | 12.4 |      |      |      |  |
| IR4P-40-250NA | 3    | 4    | 100L  |          | 23.7      |      |      | 23.6 | 23.4 | 23.3 | 23.1 | 22.8 | 22.4 | 22.2 | 21.7 | 20.3 | 18.5 | 16.2 |      |      |      |  |
| IR4P-40-315C  | 4    | 5.5  | 112M  |          | 25.2      |      |      | 25.1 | 25   | 24.9 | 24.8 | 24.7 | 24.6 | 24.4 | 24.2 | 23.4 | 22.5 | 21.1 | 19.5 |      |      |  |
| IR4P-40-315B  | 5.5  | 7.5  | 132S  |          | 30.9      |      |      | 30.7 | 30.6 | 30.6 | 30.4 | 30.4 | 30.3 | 30   | 29.8 | 29.1 | 27.9 | 26.7 | 25.5 | 23.5 |      |  |
| IR4P-40-315A  | 9.2  | 12.5 | 132L  |          | 40        |      |      |      |      | 40   | 40   | 39.9 | 39.7 | 39.4 | 39.5 | 39   | 38.4 | 37.4 | 36/  | 35.6 |      |  |
| IR4P-50-125A  | 0.55 | 0.75 | 80    |          | 6.4       |      |      |      |      | 6.3  | 6.2  | 6.1  | 6    | 5.8  | 5.6  | 5.1  | 4.2  |      |      |      |      |  |
| IR4P-50-160A  | 1.1  | 1.5  | 90S   |          | 9         |      |      |      |      | 8.9  | 8.8  | 8.7  | 8.6  | 8.5  | 8.2  | 7.7  | 6.7  | 5.7  |      |      |      |  |
| IR4P-50-200A  | 1.5  | 2    | 90L   |          | 14        |      |      |      |      | 13.3 | 13.5 | 13.3 | 13   | 12.7 | 12.4 | 11.3 | 10   | 8.2  |      |      |      |  |
| IR4P-50-200NA | 3    | 4    | 100L  |          | 18        |      |      |      |      | 18   | 17.9 | 17.8 | 17.7 | 17.5 | 17   | 16.8 | 16   | 14.8 | 13.8 | 12.2 |      |  |
| IR4P-50-250ND | 2.2  | 3    | 100L  |          | 16.8      |      |      |      |      | 16.5 | 16.3 | 16.1 | 15.9 | 15.8 | 15.4 | 14.8 | 13.7 | 12.5 | 10   |      |      |  |
| IR4P-50-250NA | 4    | 5.5  | 80    |          | 24        |      |      |      |      | 23.8 | 23.7 | 23.6 | 23.5 | 23.4 | 23.3 | 22.9 | 22.1 | 21.2 | 20   | 18   |      |  |
| IR4P-65-125A  | 0.75 | 1    | 90L   |          | 5.1       |      |      |      |      |      |      |      |      |      |      | 5.6  | 5.4  | 5    | 4.7  | 4.2  |      |  |
| IR4P-65-160A  | 1.5  | 2    | 100L  |          | 10.4      |      |      |      |      |      |      |      |      |      |      | 10.3 | 10.1 | 9.8  | 9.5  | 9.1  |      |  |
| IR4P-65-200A  | 3    | 4    | 100L  |          | 13.5      |      |      |      |      |      |      |      |      |      |      | 13.4 | 13   | 12.7 | 12.2 | 11.7 |      |  |
| IR4P-65-200NA | 3    | 4    | 112M  |          | 17.7      |      |      |      |      |      |      |      |      |      |      | 17.3 | 16.9 | 16.5 | 14   | 15.5 |      |  |
| IR4P-65-250NB | 4    | 5.5  | 132S  |          | 19        |      |      |      |      |      |      |      |      |      |      | 18.7 | 18.6 | 18.4 | 18.2 | 18   |      |  |
| IR4P-65-315C  | 5.5  | 7.5  | 132S  |          | 22.2      |      |      |      |      |      |      |      |      |      |      | 22   | 21.8 | 21.6 | 21.4 | 21.1 |      |  |
| IR4P-65-315B  | 9.2  | 12.5 | 160L  |          | 28.5      |      |      |      |      |      |      |      |      |      |      | 28.3 | 28.2 | 28   | 27.7 | 27.3 |      |  |
| IR4P-65-315A  | 11   | 15   | 160L  |          | 33        |      |      |      |      |      |      |      |      |      |      |      | 32.6 | 32.4 | 32.2 | 32   |      |  |
| IR4P-65-160C  | 15   | 20   | 100L  |          | 43        |      |      |      |      |      |      |      |      |      |      |      | 42   | 41.3 | 41   | 40.5 |      |  |
| IR4P-80-160C  | 2.2  | 3    | 100L  |          | 8.2       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 7.8  | 7.6  |  |
| IR4P-80-160A  | 2.2  | 3    | 112M  |          | 9.5       |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 9.4  | 9.3  |  |
| IR4P-60-200B  | 4    | 5.5  | 132S  |          | 13        |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 12.8 | 12.7 |  |
| IR4P-80-200A  | 5.5  | 7.5  | 132S  |          | 14.5      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 14.5 | 14.5 |  |
| IR4P-80-25K   | 7.5  | 10   | 132L  |          | 18        |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 17.8 | 17.7 |  |
| IR4P-80-250A  | 9.2  | 12.5 | 132L  |          | 24.2      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 23.6 | 23.5 |  |
| IR4P-80-315C  | 11   | 15   | 160L  |          | 28.1      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 28.1 | 28.1 |  |
| IR4P-80-315B  | 15   | 20   | 160L  |          | 34        |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 34   | 34   |  |
| IR4P-80-315A  | 22   | 30   | 180L  |          | 40.7      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-100-200C | 5.5  | 7.5  | 132S  |          | 10.8      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-100-200A | 7.5  | 10   | 132L  |          | 15.1      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-100-250B | 9.2  | 12.5 | 160L  |          | 21        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-100-250A | 15   | 20   | 160L  |          | 24.7      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-100-315C | 18.5 | 25   | 180L  |          | 28        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-100-315B | 22   | 30   | 180L  |          | 33.7      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-100-315A | 30   | 40   | 200L  |          | 40        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-125-250B | 11   | 15   | 160L  |          | 17.5      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-125-250A | 18.5 | 25   | 180L  | 24.5     |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-125-315C | 18.5 | 25   | 180L  | 28       |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| IR4P-125-315B | 30   | 40   | 200L  | 34.5     |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |

