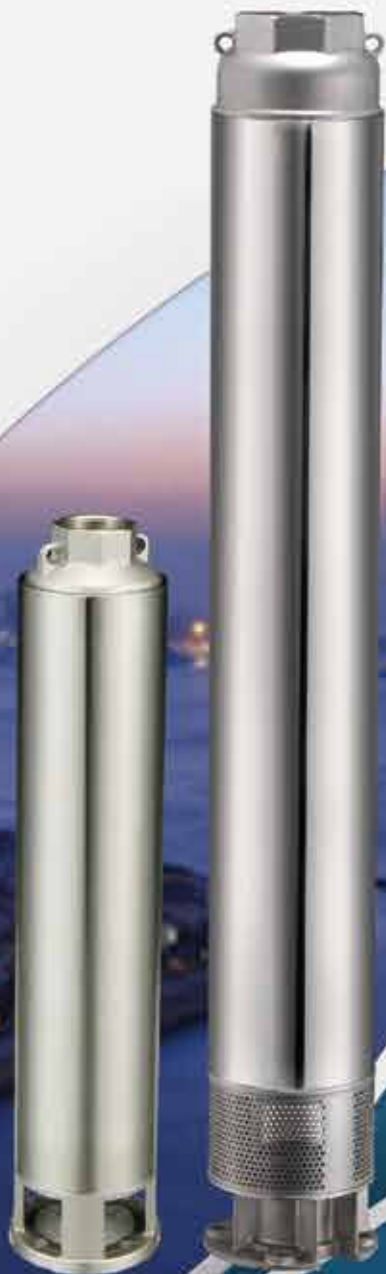




ST 4", 6" Series

50Hz

Submersible Electric Pumps



STAIRS INDUSTRIAL CO., LTD.


ST 4" ,6"
General Data

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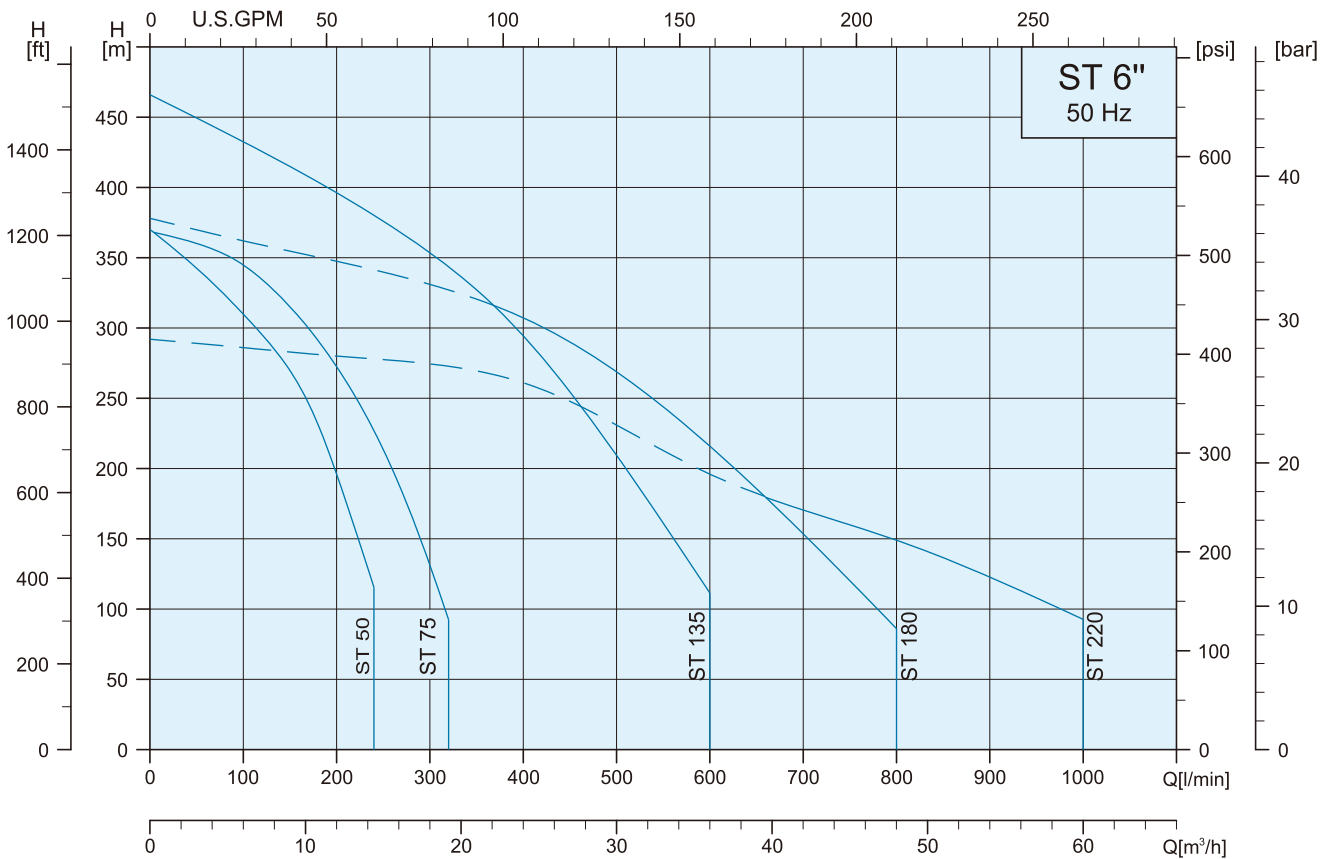
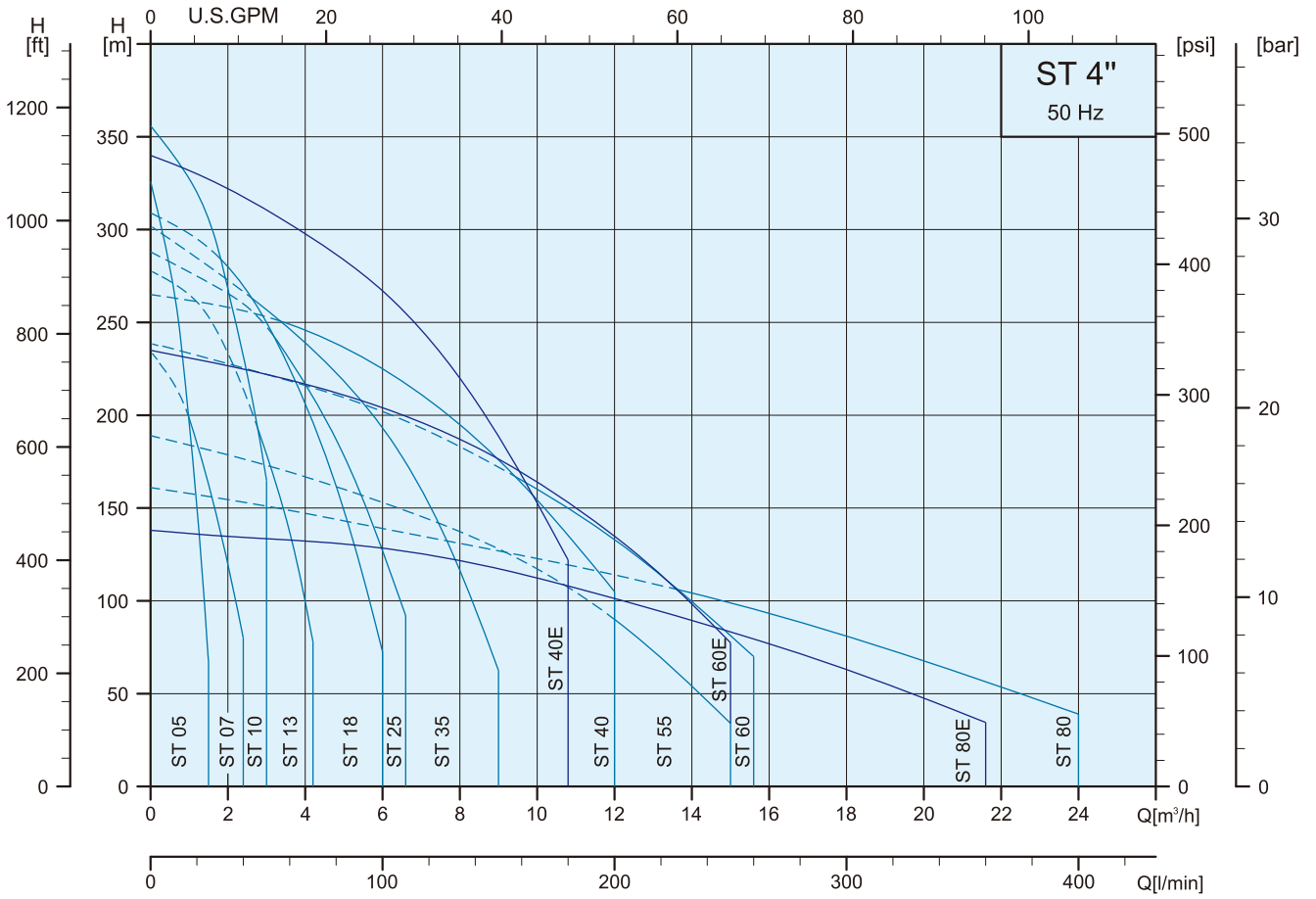
4"&6" ST Submersible Electric Pumps

STAIRS ST Series is a robust 4" pump designed for long life and sand handling. It is built mainly in stainless steel, a casted discharge, a casted bracket and a special floating impeller. The design is to enhance the wear resistance and to maintain the performance over time.

Wide range of application of irrigation systems, pressure boosting, water supply and fountain applications for 4" well. All ST pumps can be coupled to 4" NEMA standard motors.

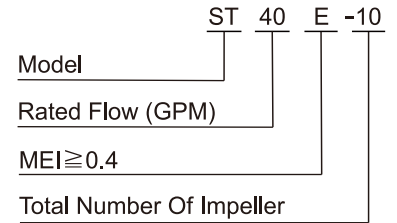
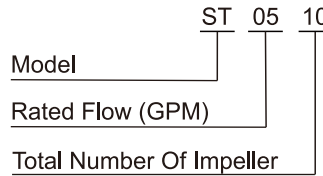
Stairs 6" ST submersible pumps for high pressures and flow rates, particularly equipped with a high rigidity Silicon-Carbide(SiC) Bearing, provide reliability and quality guaranteed.

Performance Range





Model Code



Applications

- Water Supply
- Irrigation
- Pressure Boosting

General Specifications Pump

| ST 4" | ST 6" |
|---|---|
| Delivery : up to 24 m³/h at 2850 rpm | Delivery : up to 60 m³/h at 2850 rpm |
| Head : up to 356 m at 2850 rpm | Head: up to 466 m at 2850 rpm |
| Maximum permissible quantity of sand : 150g/m³ | Maximum permissible quantity of sand : 60g/m³ |
| ST05-ST07-ST10-ST13-ST18 models 1 1/4" discharge. | ST 50-ST75-ST135-ST180-ST220 models 3" discharge. |
| ST25 model 1 1/2" discharge. | |
| ST35-ST40-ST55-ST60-ST80 models 2" discharge | |

ST 4"

Bearing is made with Polyacetal for strong wear and abrasive resistance.

ST 4",6"

Discharge Head and Motor Adaptor are precision machined cast 304 stainless steel for superior strength and durability. The motor adaptor is NEMA standard.

Impeller Bowls are made from 304 stainless steel, maximizing wear from abrasion.

Strainer is made from stamped 304 stainless steel for rigidity.

Pump Shaft is made from hex 304 stainless steel bar material for high corrosion resistance.

Pump body is covered by a 4"1.5mm/6"2.0mm thick 304 polished stainless steel casing, ensures optimum resistance to abrasion.

Impellers are floating type made with Noryl® for a superior sand handling.

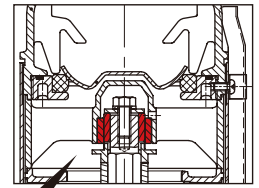
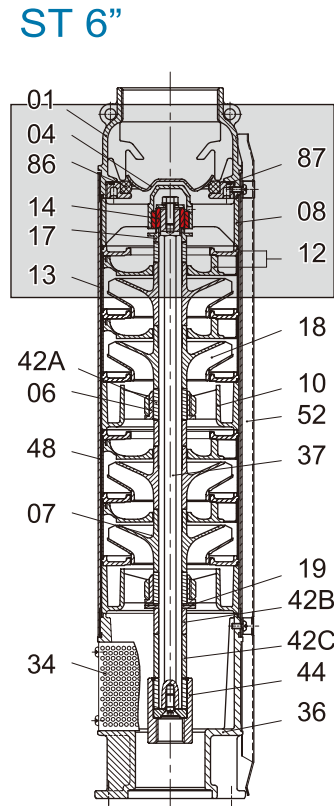
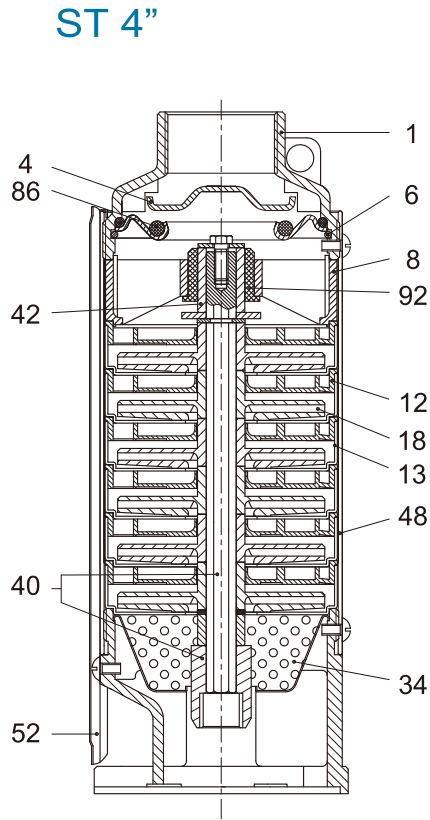
Together with glass filled polycarbonate diffusers make the super strong pumps for maximum wear and abrasive resistance.

The materials are FDA compliant materials.

Shaft Coupling is made from 304 stainless steel for easy alignment to the motor shaft.

Non-Return valve made from 304 stainless steel, fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pumps.

Materials



High rigidity
Silicon-Carbide(SiC) Bearing
ensure high corrosion resistance
and provide long and dependable
service life.

| Pos. | Part Name | Materials |
|------|----------------------------|----------------------------|
| 1 | Discharge Head | AISI304 SS |
| 4 | Check Valve Cone | AISI304 SS |
| 6 | Check Valve retaining Ring | AISI304 SS |
| 8 | Bearing Spider | Glass Filled Polycarbonate |
| 12 | Diffuser | Glass Filled Polycarbonate |
| 13 | Bowl | AISI304 SS |
| 18 | Impeller | Noryl |
| 34 | Strainer | AISI304 SS |
| 40 | Pump Shaft / Coupling | AISI304 SS |
| 42 | Shaft Sleeve | AISI 304 SS or Noryl |
| 48 | Pump Casing | AISI304 SS |
| 52 | Cable Guard | AISI304 SS |
| 86 | O-Ring | NBR |
| 92 | Bearing | Polyacetal |

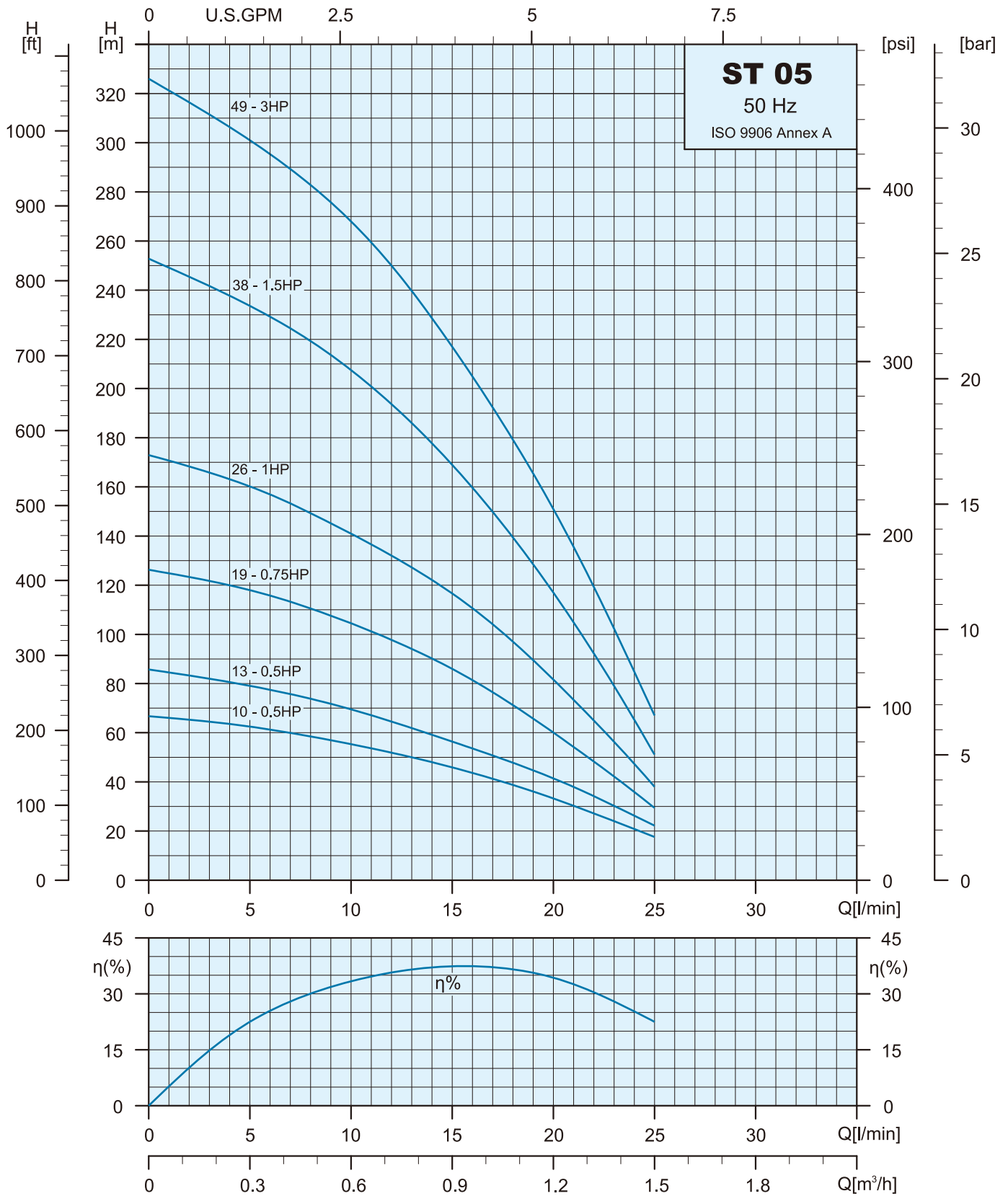
| Pos. | Part Name | Material |
|------|------------------------------|----------------------------|
| 1 | Discharge | AISI 304 |
| 4 | Valve cone | AISI 304 |
| 6 | Bearing | POM+PTFE |
| 7 | Bearing | Bronze |
| 8 | Upper bearing spider | AISI 304+ Silicon carbide |
| 10 | Bearing Spider | Noryl |
| 12 | Diffuser | Glass Filled Polycarbonate |
| 13 | Diffuser casing | AISI 304 |
| 14 | Bearing ring | Silicon carbide |
| 17 | Sleeve for baffle | AISI 304 |
| 18 | Impeller | Noryl |
| 19 | Counter thrust bearing plate | Carbon fiber + PTFE |
| 34 | Strainer | AISI 304 |
| 36 | Suction interconnector | AISI 304 |
| 37 | Pump shaft | AISI 304 |
| 42A | Shaft sleeve | AISI 304 |
| 42B | Shaft sleeve | Noryl |
| 42C | Shaft sleeve | Noryl |
| 44 | Coupling | AISI 304 |
| 48 | Pump casing | AISI 304 |
| 52 | Cable guard | AISI 304 |
| 86 | Valve Seat | AISI 304 + NBR |
| 87 | O-ring | NBR |

ST 50Hz

General Data



Performance Curves

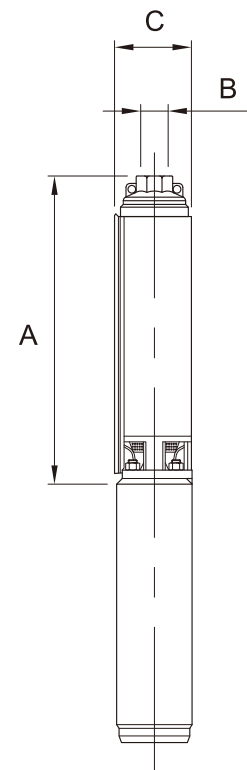


Specifications

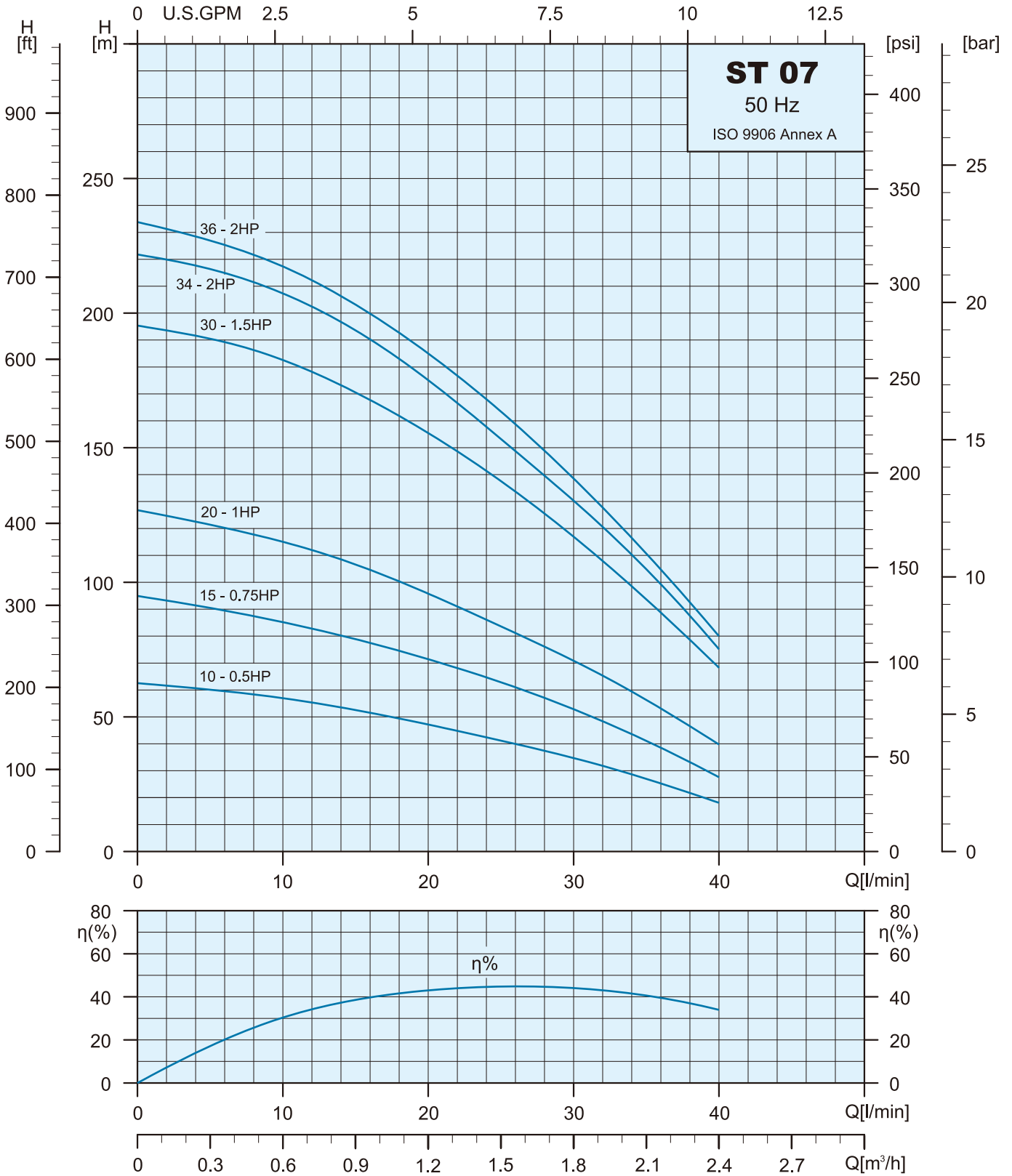
| Pump Type | Motor | | Q=DELIVERY | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|
| | kW | HP | l/min | 0 | 5 | 10 | 15 | 20 | 25 |
| | | | m ³ /h | 0 | 0.3 | 0.6 | 0.9 | 1.2 | 1.5 |
| ST 05-10 | 0.37 | 0.5 | H (m) | 67 | 63 | 55 | 46 | 33 | 18 |
| ST 05-13 | 0.37 | 0.5 | | 86 | 78 | 70 | 56 | 42 | 23 |
| ST 05-19 | 0.55 | 0.75 | | 126 | 118 | 105 | 86 | 60 | 30 |
| ST 05-26 | 0.75 | 1.0 | | 173 | 160 | 141 | 117 | 81 | 39 |
| ST 05-38 | 1.1 | 1.5 | | 253 | 234 | 208 | 169 | 117 | 52 |
| ST 05-49 | 2.2 | 3.0 | | 326 | 301 | 268 | 219 | 151 | 67 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-------------------------|----|-----------------|
| | A | B | C | PUMP |
| ST 05-10 | 324 | Rp 1 1/4" NPT 1 1/4" | 98 | 3.3 |
| ST 05-13 | 377 | | 98 | 3.7 |
| ST 05-19 | 481 | | 98 | 4.7 |
| ST 05-26 | 642 | | 98 | 5.8 |
| ST 05-38 | 910 | | 98 | 9.2 |
| ST 05-49 | 1105 | | 98 | 12.5 |



Performance Curves

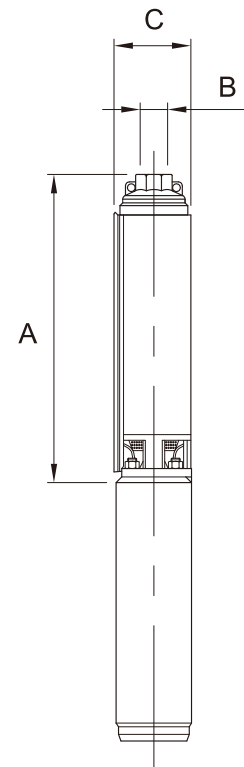


Specifications

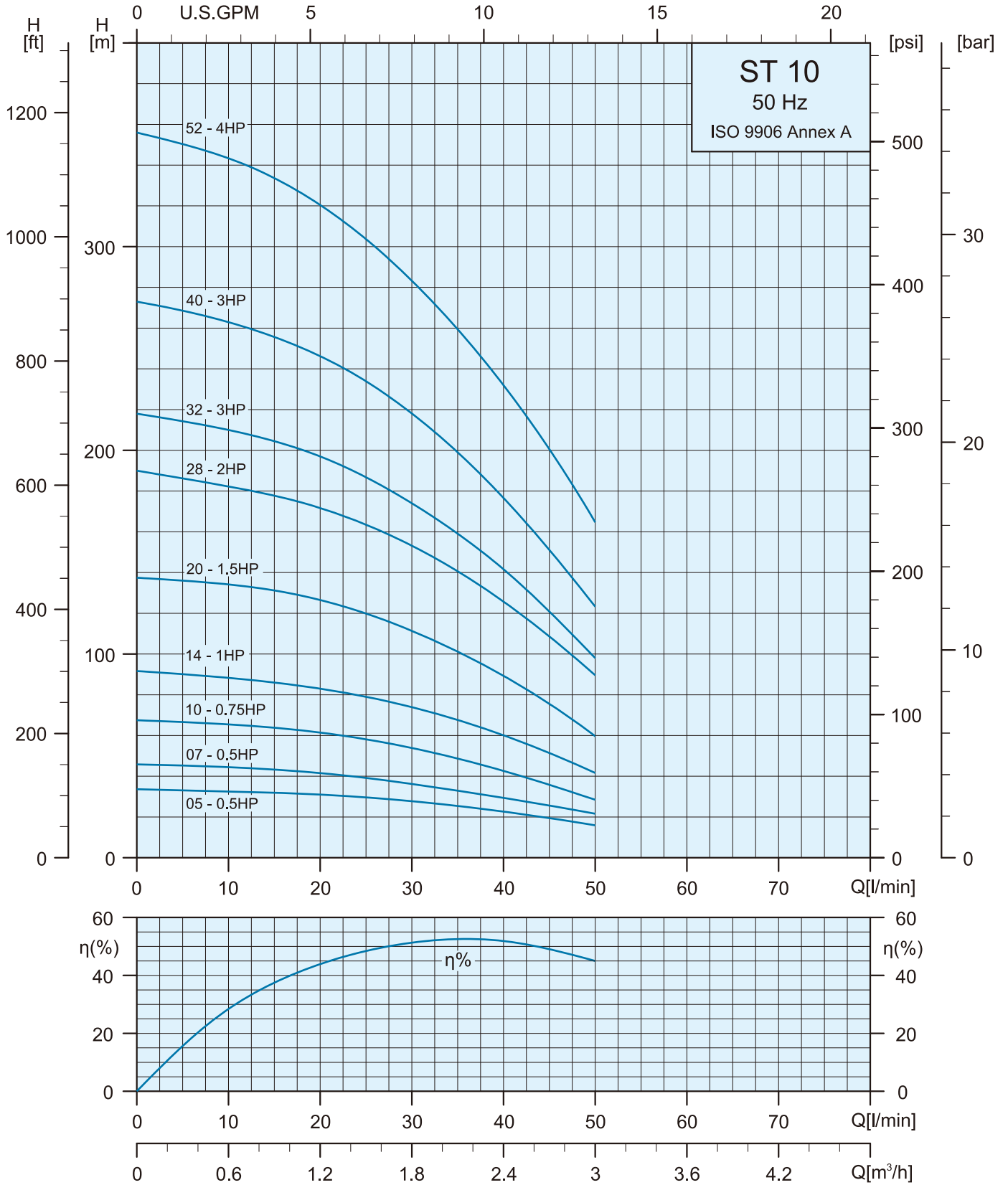
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | kW | HP | l/min | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 |
| | | | m ³ /h | 0 | 0.6 | 0.9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 |
| ST 07-10 | 0.37 | 0.5 | H (m) | 63 | 57 | 53 | 47 | 42 | 35 | 27 | 18 |
| ST 07-15 | 0.55 | 0.75 | | 95 | 86 | 78 | 72 | 63 | 53 | 41 | 28 |
| ST 07-20 | 0.75 | 1.0 | | 127 | 115 | 107 | 96 | 84 | 71 | 56 | 40 |
| ST 07-30 | 1.1 | 1.5 | | 195 | 183 | 171 | 156 | 138 | 117 | 94 | 69 |
| ST 07-34 | 1.5 | 2.0 | | 222 | 207 | 194 | 175 | 154 | 130 | 104 | 76 |
| ST 07-36 | 1.5 | 2.0 | | 234 | 217 | 203 | 185 | 164 | 138 | 110 | 80 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-------------------------|----|-----------------|
| | A | B | C | PUMP |
| ST 07-10 | 330 | Rp 1 1/4" NPT 1 1/4" | 98 | 3.3 |
| ST 07-15 | 420 | | 98 | 4.3 |
| ST 07-20 | 510 | | 98 | 5.3 |
| ST 07-30 | 730 | | 98 | 7.4 |
| ST 07-34 | 858 | | 98 | 9.3 |
| ST 07-36 | 895 | | 98 | 9.8 |



Performance Curves

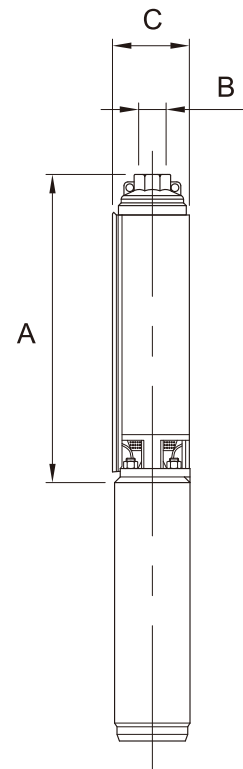


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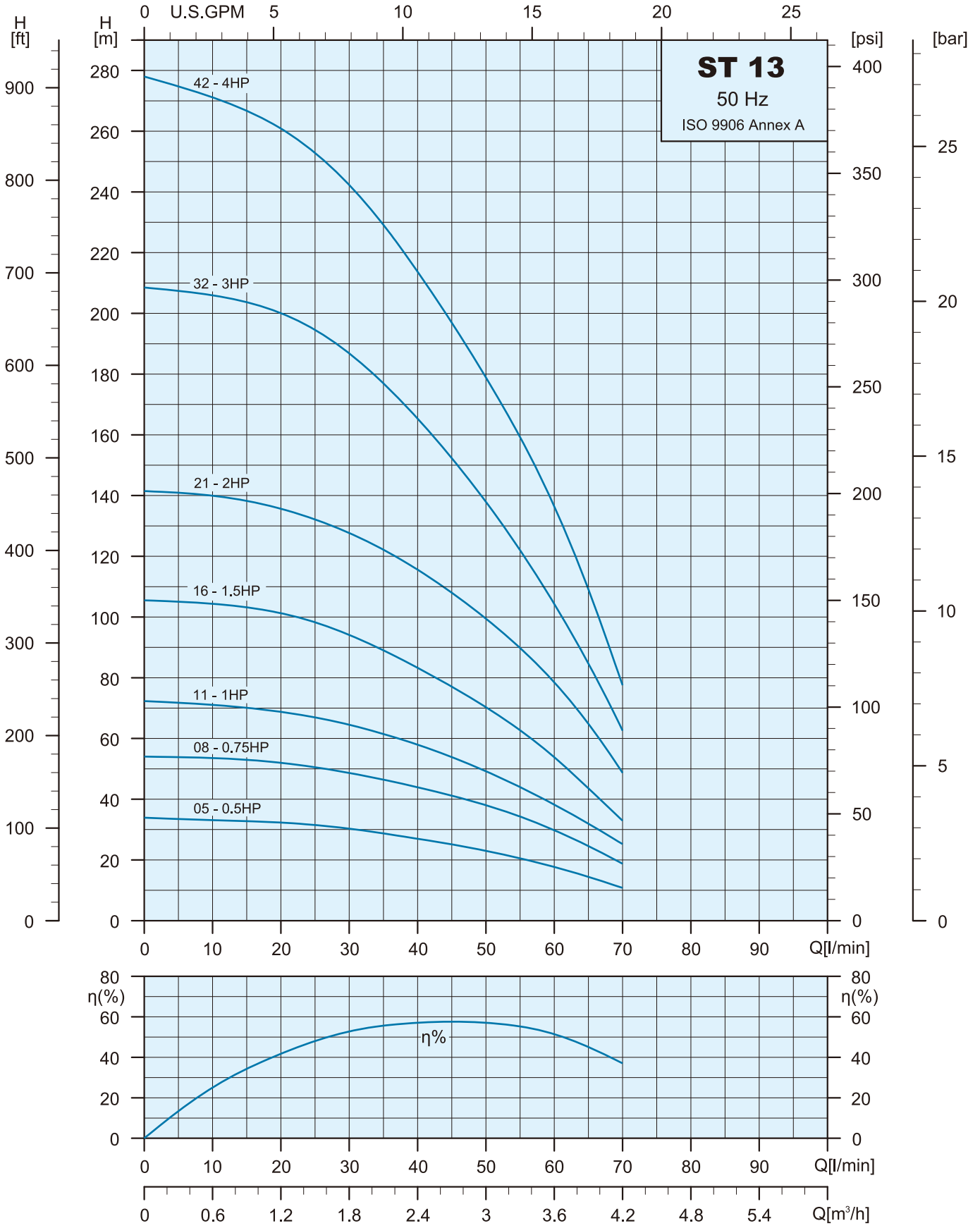
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | kW | HP | l/min | 0 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| | | | m ³ /h | 0 | 0.9 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 |
| ST 10-05 | 0.37 | 0.5 | H (m) | 34 | 32 | 31 | 29 | 27 | 25 | 23 | 19 | 16 |
| ST 10-07 | 0.37 | 0.5 | | 46 | 43 | 42 | 39 | 36 | 33 | 29 | 26 | 22 |
| ST 10-10 | 0.55 | 0.75 | | 67 | 64 | 61 | 58 | 54 | 49 | 43 | 36 | 28 |
| ST 10-14 | 0.75 | 1.0 | | 92 | 86 | 83 | 79 | 74 | 67 | 60 | 52 | 42 |
| ST 10-20 | 1.1 | 1.5 | | 139 | 131 | 127 | 120 | 111 | 101 | 90 | 75 | 60 |
| ST 10-28 | 1.5 | 2.0 | | 190 | 178 | 172 | 163 | 153 | 141 | 126 | 108 | 89 |
| ST 10-32 | 2.2 | 3.0 | | 218 | 205 | 197 | 187 | 174 | 159 | 142 | 121 | 98 |
| ST 10-40 | 2.2 | 3.0 | | 273 | 256 | 246 | 234 | 218 | 199 | 177 | 151 | 123 |
| ST 10-52 | 3.0 | 4.0 | | 356 | 334 | 320 | 304 | 283 | 259 | 232 | 201 | 165 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-------------------------|----|-----------------|
| | A | B | C | PUMP |
| ST 10-05 | 236 | Rp 1 1/4" NPT 1 1/4" | 98 | 2.5 |
| ST 10-07 | 271 | | 98 | 2.8 |
| ST 10-10 | 324 | | 98 | 3.3 |
| ST 10-14 | 394 | | 98 | 3.9 |
| ST 10-20 | 499 | | 98 | 4.9 |
| ST 10-28 | 679 | | 98 | 7.1 |
| ST 10-32 | 787 | | 98 | 7.8 |
| ST 10-40 | 950 | | 98 | 10.5 |
| ST 10-52 | 1235 | | 98 | 13.5 |



Performance Curves

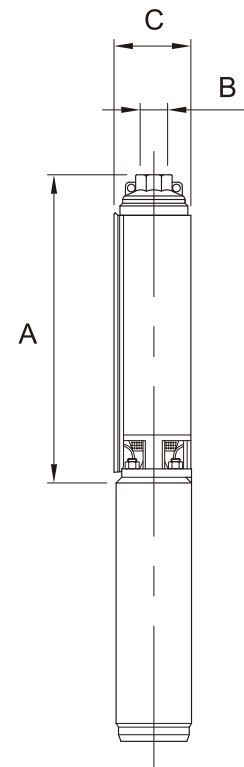


Specifications

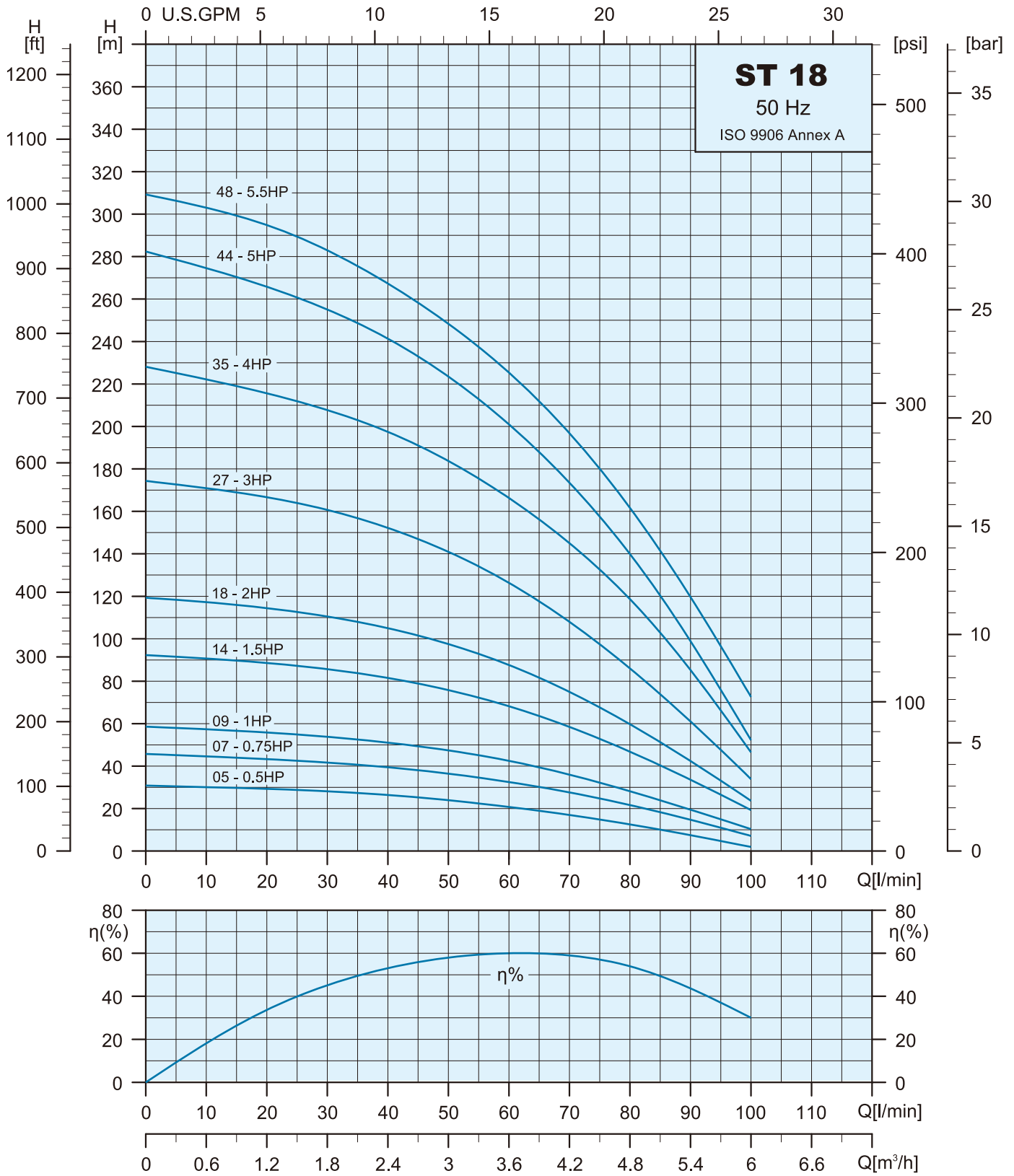
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | kW | HP | l/min | 0 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 70 |
| | | | m ³ /h | 0 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 | 3.6 | 4.2 |
| ST 13-05 | 0.37 | 0.5 | H (m) | 34 | 32 | 31 | 30 | 29 | 27 | 25 | 23 | 18 | 11 |
| ST 13-08 | 0.55 | 0.75 | | 54 | 51 | 50 | 49 | 46 | 43 | 41 | 38 | 30 | 19 |
| ST 13-11 | 0.75 | 1.0 | | 72 | 68 | 66 | 64 | 61 | 58 | 54 | 49 | 38 | 26 |
| ST 13-16 | 1.1 | 1.5 | | 106 | 101 | 98 | 95 | 89 | 83 | 77 | 70 | 54 | 33 |
| ST 13-21 | 1.5 | 2.0 | | 142 | 135 | 132 | 127 | 122 | 115 | 108 | 100 | 79 | 49 |
| ST 13-32 | 2.2 | 3.0 | | 208 | 200 | 194 | 187 | 177 | 165 | 152 | 138 | 104 | 62 |
| ST 13-42 | 3.0 | 4.0 | | 278 | 261 | 253 | 242 | 229 | 214 | 197 | 179 | 137 | 78 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-------------------------|----|-----------------|
| | A | B | C | PUMP |
| ST 13-05 | 236 | Rp 1 1/4" NPT 1 1/4" | 98 | 2.5 |
| ST 13-08 | 289 | | 98 | 2.9 |
| ST 13-11 | 342 | | 98 | 3.4 |
| ST 13-16 | 430 | | 98 | 4.2 |
| ST 13-21 | 519 | | 98 | 5.0 |
| ST 13-32 | 805 | | 98 | 8.1 |
| ST 13-42 | 985 | | 98 | 10.7 |



Performance Curves

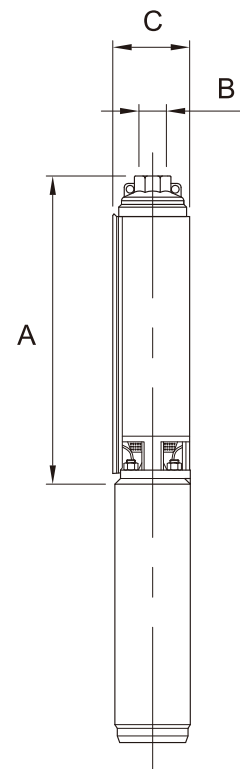


Specifications

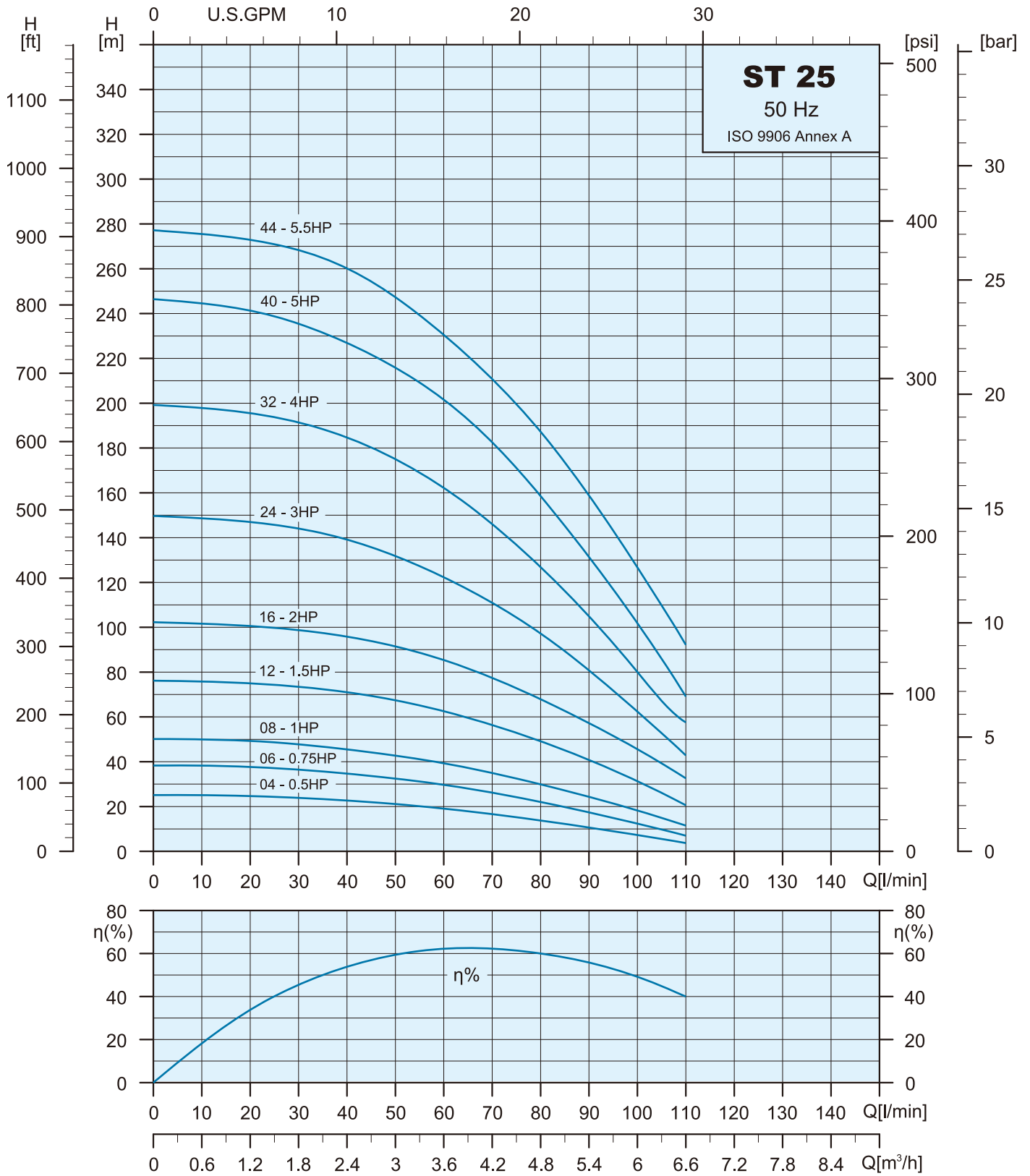
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | kW | HP | l/min | 0 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 |
| | | | m ³ /h | 0 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| ST 18-05 | 0.37 | 0.5 | H (m) | 33 | 29 | 28 | 27 | 26 | 25 | 24 | 21 | 18 | 13 | 8 | 3 |
| ST 18-07 | 0.55 | 0.75 | | 46 | 43 | 42 | 41 | 39 | 38 | 36 | 33 | 28 | 22 | 15 | 7 |
| ST 18-09 | 0.75 | 1.0 | | 59 | 55 | 54 | 52 | 51 | 49 | 47 | 43 | 37 | 28 | 20 | 10 |
| ST 18-14 | 1.1 | 1.5 | | 93 | 87 | 86 | 83 | 81 | 79 | 76 | 68 | 58 | 47 | 33 | 20 |
| ST 18-18 | 1.5 | 2.0 | | 120 | 113 | 111 | 108 | 105 | 102 | 98 | 88 | 75 | 60 | 42 | 25 |
| ST 18-27 | 2.2 | 3.0 | | 175 | 164 | 161 | 157 | 152 | 147 | 141 | 127 | 109 | 87 | 61 | 35 |
| ST 18-35 | 3.0 | 4.0 | | 228 | 212 | 208 | 203 | 197 | 191 | 184 | 166 | 145 | 119 | 85 | 46 |
| ST 18-44 | 3.7 | 5.0 | | 282 | 261 | 255 | 249 | 241 | 233 | 223 | 201 | 173 | 140 | 99 | 52 |
| ST 18-48 | 4.0 | 5.5 | | 309 | 289 | 283 | 276 | 267 | 258 | 248 | 225 | 197 | 162 | 120 | 73 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|---------------------|----|-----------------|
| | A | B | C | PUMP |
| ST 18-05 | 257 | Rp 1 ¼" NPT 1 ¼" | 98 | 2.7 |
| ST 18-07 | 301 | | 98 | 3.0 |
| ST 18-09 | 344 | | 98 | 3.3 |
| ST 18-14 | 452 | | 98 | 4.1 |
| ST 18-18 | 538 | | 98 | 4.7 |
| ST 18-27 | 805 | | 98 | 7.2 |
| ST 18-35 | 995 | | 98 | 8.9 |
| ST 18-44 | 1187 | | 98 | 10.3 |
| ST 18-48 | 1312 | | 98 | 10.9 |



Performance Curves

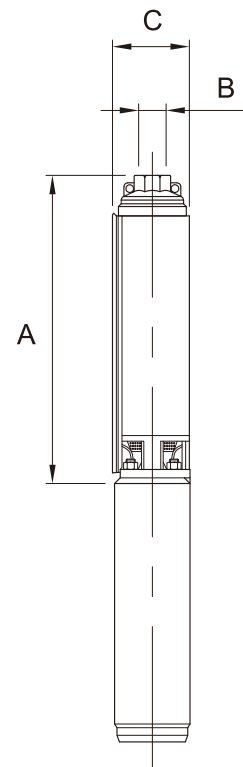


Specifications

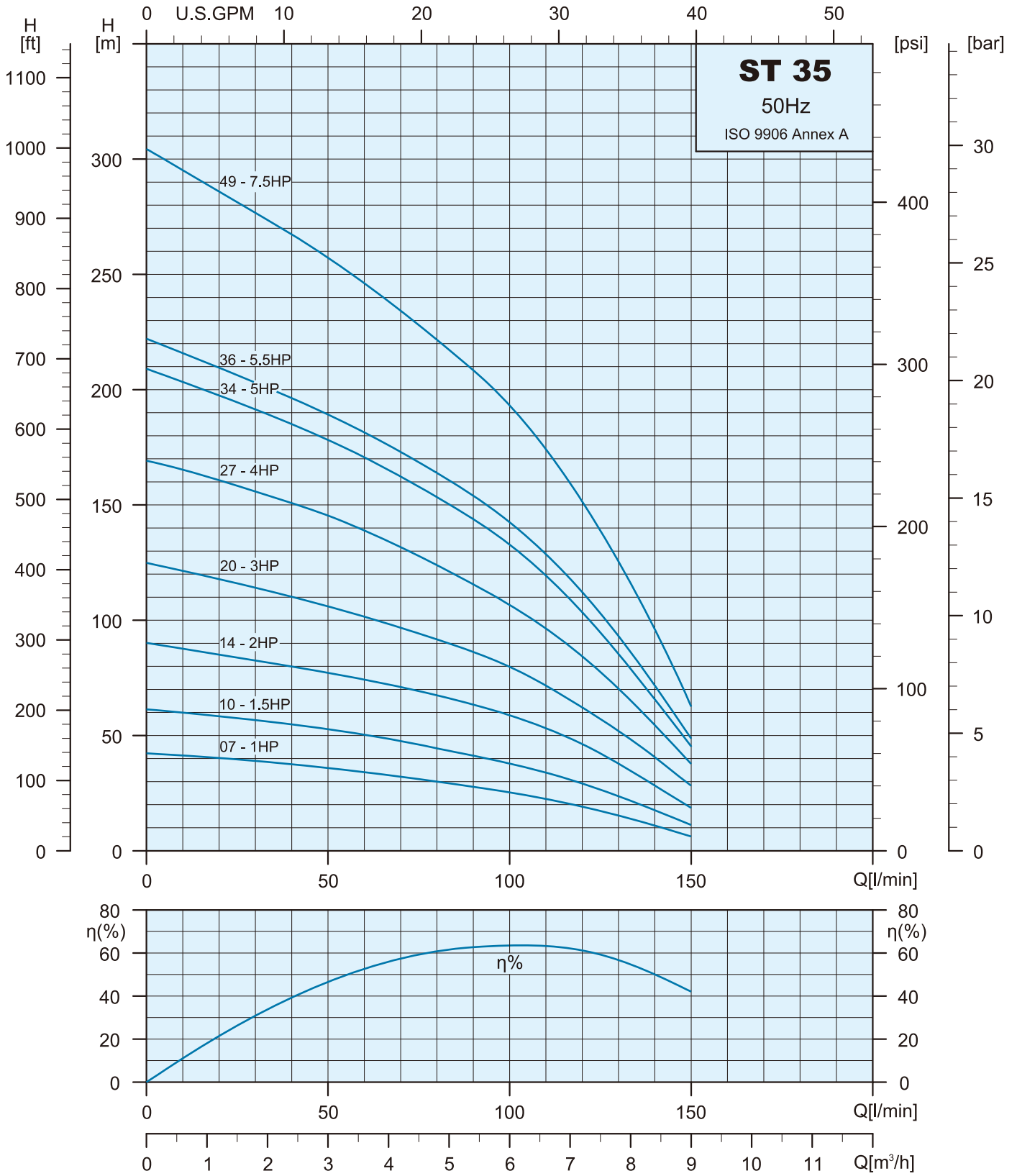
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | kW | HP | l/min | 0 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 |
| | | | m ³ /h | 0 | 2.1 | 2.4 | 2.7 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 |
| ST 25-04 | 0.37 | 0.5 | H (m) | 26 | 23 | 22 | 22 | 21 | 19 | 17 | 14 | 11 | 7 |
| ST 25-06 | 0.55 | 0.75 | | 38 | 36 | 35 | 33 | 32 | 30 | 26 | 22 | 18 | 12 |
| ST 25-08 | 0.75 | 1.0 | | 51 | 47 | 46 | 44 | 43 | 39 | 35 | 30 | 24 | 18 |
| ST 25-12 | 1.1 | 1.5 | | 77 | 72 | 71 | 69 | 68 | 63 | 57 | 49 | 41 | 31 |
| ST 25-16 | 1.5 | 2.0 | | 102 | 98 | 96 | 94 | 92 | 86 | 77 | 68 | 57 | 46 |
| ST 25-24 | 2.2 | 3.0 | | 151 | 142 | 139 | 136 | 132 | 122 | 111 | 97 | 80 | 62 |
| ST 25-32 | 3.0 | 4.0 | | 203 | 188 | 185 | 180 | 175 | 162 | 146 | 127 | 105 | 80 |
| ST 25-40 | 3.7 | 5.0 | | 253 | 232 | 227 | 222 | 216 | 202 | 182 | 159 | 131 | 102 |
| ST 25-44 | 4.0 | 5.5 | | 278 | 265 | 260 | 254 | 247 | 230 | 210 | 187 | 159 | 127 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-------------------------|----|-----------------|
| | A | B | C | PUMP |
| ST 25-04 | 247 | Rp 1 1/2" NPT 1 1/2" | 98 | 2.4 |
| ST 25-06 | 296 | | 98 | 2.9 |
| ST 25-08 | 345 | | 98 | 3.3 |
| ST 25-12 | 445 | | 98 | 4.1 |
| ST 25-16 | 542 | | 98 | 5.0 |
| ST 25-24 | 815 | | 98 | 7.6 |
| ST 25-32 | 1028 | | 98 | 9.7 |
| ST 25-40 | 1220 | | 98 | 11.4 |
| ST 25-44 | 1359 | | 98 | 12.2 |



Performance Curves

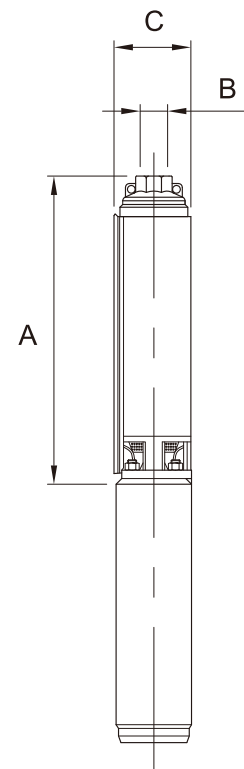


Specifications

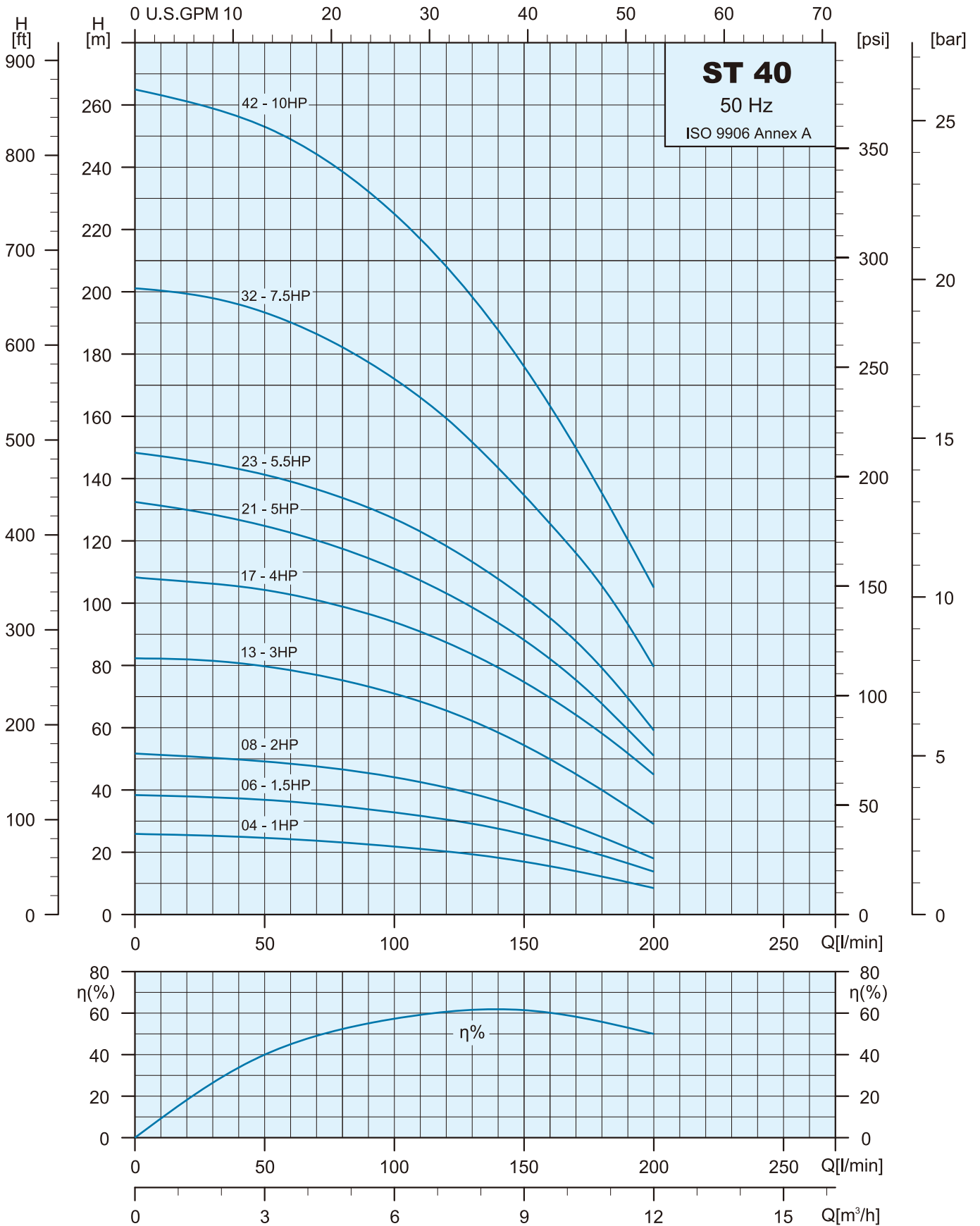
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | |
|-----------|-------|-----|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | kW | HP | l/min | 0 | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 140 |
| | | | m ³ /h | 0 | 3.0 | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 7.2 | 8.4 |
| ST 35-07 | 0.75 | 1.0 | H (m) | 42 | 36 | 34 | 32 | 30 | 28 | 25 | 19 | 11 |
| ST 35-10 | 1.1 | 1.5 | | 62 | 53 | 51 | 48 | 45 | 41 | 38 | 29 | 18 |
| ST 35-14 | 1.5 | 2.0 | | 90 | 77 | 74 | 71 | 68 | 63 | 59 | 46 | 28 |
| ST 35-20 | 2.2 | 3.0 | | 125 | 107 | 102 | 97 | 92 | 86 | 80 | 62 | 40 |
| ST 35-27 | 3.0 | 4.0 | | 169 | 145 | 139 | 131 | 123 | 115 | 107 | 84 | 55 |
| ST 35-34 | 3.7 | 5.0 | | 208 | 178 | 170 | 162 | 153 | 143 | 132 | 103 | 66 |
| ST 35-36 | 4.0 | 5.5 | | 221 | 190 | 181 | 173 | 164 | 154 | 143 | 112 | 72 |
| ST 35-49 | 5.5 | 7.5 | | 302 | 257 | 246 | 234 | 222 | 209 | 193 | 151 | 96 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-----------------|----|-----------------|
| | A | B | C | PUMP |
| ST 35-07 | 390 | Rp 2" NPT 2" | 98 | 3.7 |
| ST 35-10 | 483 | | 98 | 4.6 |
| ST 35-14 | 607 | | 98 | 5.7 |
| ST 35-20 | 831 | | 98 | 7.5 |
| ST 35-27 | 1086 | | 99 | 10.6 |
| ST 35-34 | 1325 | | 98 | 12.6 |
| ST 35-36 | 1384 | | 98 | 13.2 |
| ST 35-49 | 1863 | | 98 | 16.9 |



Performance Curves

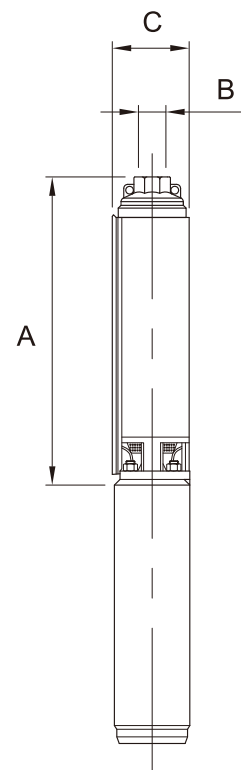


Specifications

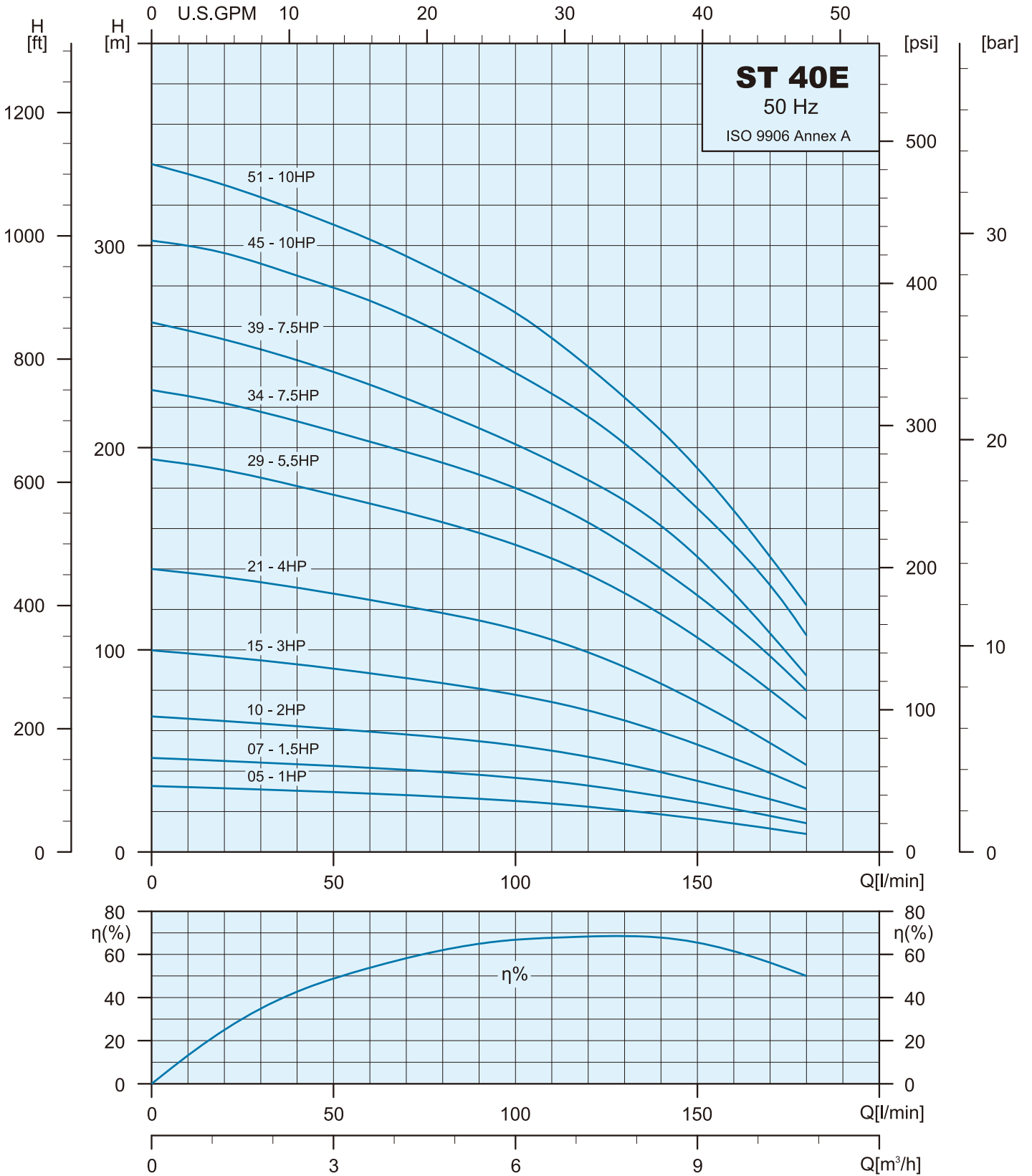
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | kW | HP | l/min | 0 | 80 | 90 | 100 | 120 | 140 | 160 | 180 | 200 |
| | | | m ³ /h | 0 | 4.8 | 5.4 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 |
| ST 40-04 | 0.75 | 1.0 | H (m) | 26 | 23 | 22 | 21 | 20 | 18 | 16 | 12 | 9 |
| ST 40-06 | 1.1 | 1.5 | | 38 | 35 | 34 | 33 | 31 | 28 | 24 | 19 | 14 |
| ST 40-08 | 1.5 | 2.0 | | 52 | 47 | 45 | 44 | 41 | 37 | 31 | 25 | 18 |
| ST 40-13 | 2.2 | 3.0 | | 82 | 75 | 73 | 71 | 66 | 59 | 50 | 40 | 30 |
| ST 40-17 | 3.0 | 4.0 | | 108 | 98 | 96 | 94 | 87 | 79 | 70 | 58 | 46 |
| ST 40-21 | 3.7 | 5.0 | | 132 | 117 | 114 | 111 | 103 | 93 | 82 | 68 | 52 |
| ST 40-23 | 4.0 | 5.5 | | 148 | 134 | 131 | 127 | 118 | 108 | 95 | 79 | 60 |
| ST 40-32 | 5.5 | 7.5 | | 202 | 182 | 178 | 172 | 160 | 143 | 125 | 105 | 80 |
| ST 40-42 | 7.5 | 10.0 | | 265 | 239 | 232 | 225 | 208 | 188 | 163 | 135 | 105 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-----------------|----|-----------------|
| | A | B | C | PUMP |
| ST 40-04 | 301 | Rp 2" NPT 2" | 98 | 2.8 |
| ST 40-06 | 356 | | 98 | 3.4 |
| ST 40-08 | 418 | | 98 | 4.0 |
| ST 40-13 | 573 | | 98 | 5.5 |
| ST 40-17 | 697 | | 98 | 6.6 |
| ST 40-21 | 859 | | 98 | 7.8 |
| ST 40-23 | 959 | | 98 | 9.4 |
| ST 40-32 | 1260 | | 98 | 12.0 |
| ST 40-42 | 1650 | | 98 | 15.5 |



Performance Curves

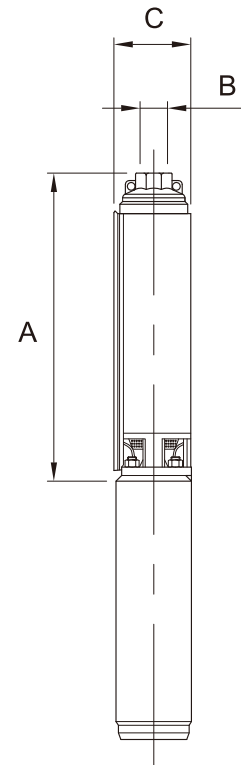


Specifications

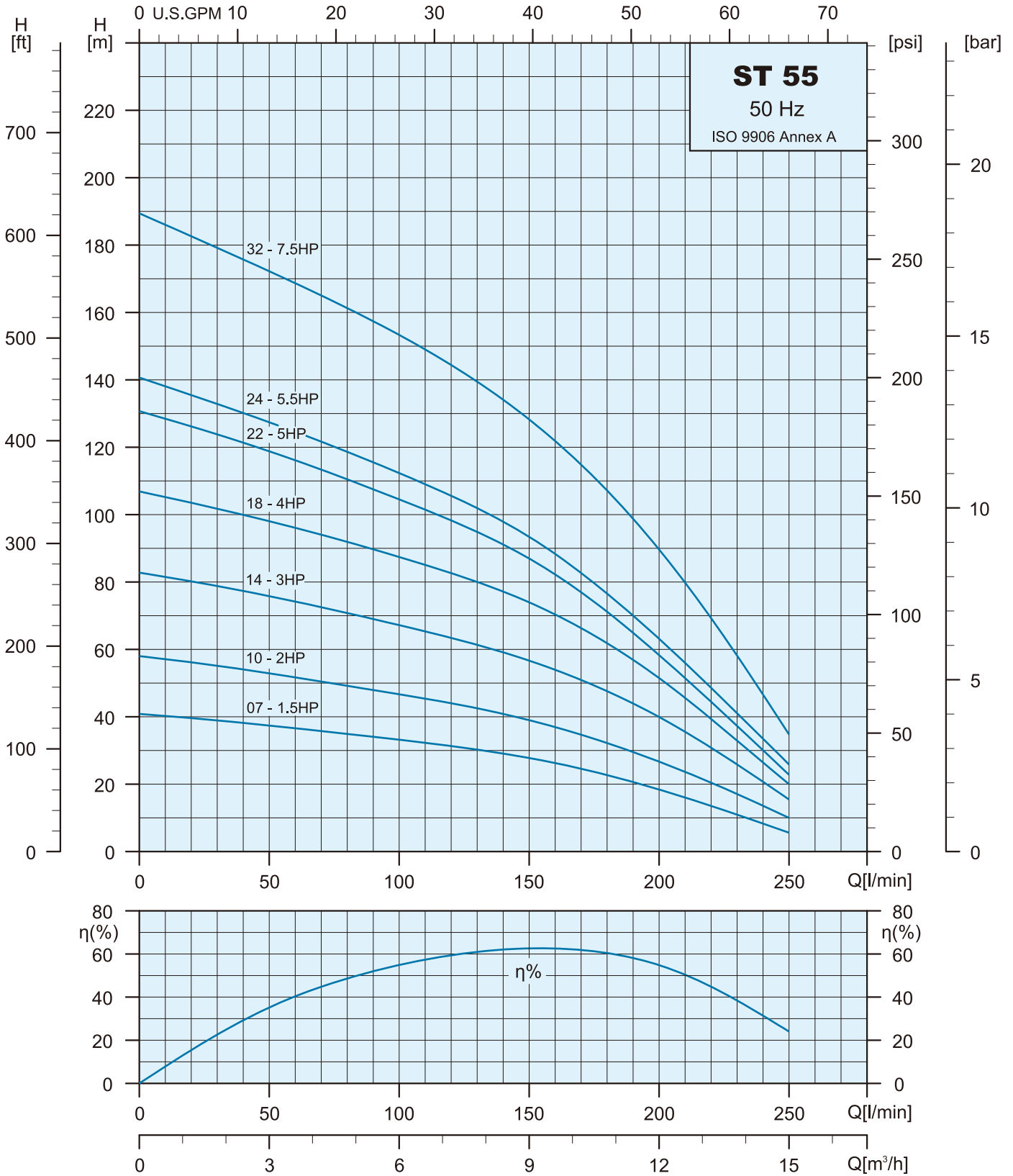
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | kW | HP | l/min | 0 | 80 | 90 | 100 | 120 | 140 | 160 | 180 | 200 |
| | | | m ³ /h | 0 | 4.8 | 5.4 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 |
| ST 40E-05 | 0.75 | 1.0 | H (m) | 33 | 27 | 26 | 25 | 22 | 19 | 14 | 9 | - |
| ST 40E-07 | 1.1 | 1.5 | | 47 | 39 | 38 | 37 | 33 | 28 | 21 | 14 | - |
| ST 40E-10 | 1.5 | 2.0 | | 67 | 57 | 55 | 53 | 47 | 39 | 31 | 21 | - |
| ST 40E-15 | 2.2 | 3.0 | | 100 | 83 | 81 | 78 | 70 | 59 | 46 | 31 | - |
| ST 40E-21 | 3.0 | 4.0 | | 140 | 118 | 115 | 110 | 99 | 83 | 64 | 43 | - |
| ST 40E-29 | 4.0 | 5.5 | | 194 | 163 | 158 | 152 | 137 | 118 | 93 | 66 | - |
| ST 40E-34 | 5.5 | 7.5 | | 229 | 193 | 187 | 180 | 163 | 140 | 113 | 80 | - |
| ST 40E-39 | 5.5 | 7.5 | | 262 | 217 | 210 | 202 | 184 | 161 | 128 | 87 | - |
| ST 40E-45 | 7.5 | 10.0 | | 302 | 256 | 247 | 237 | 215 | 187 | 152 | 107 | - |
| ST 40E-51 | 7.5 | 10.0 | | 340 | 286 | 277 | 267 | 240 | 208 | 169 | 122 | - |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-----------------|----|-----------------|
| | A | B | C | PUMP |
| ST 40E-05 | 330 | Rp 2" NPT 2" | 98 | 3.2 |
| ST 40E-07 | 395 | | 98 | 3.8 |
| ST 40E-10 | 485 | | 98 | 4.6 |
| ST 40E-15 | 640 | | 98 | 6.1 |
| ST 40E-21 | 865 | | 98 | 8.2 |
| ST 40E-29 | 1150 | | 98 | 10.7 |
| ST 40E-34 | 1325 | | 98 | 13.2 |
| ST 40E-39 | 1480 | | 98 | 14.5 |
| ST 40E-45 | 1745 | | 98 | 17.1 |
| ST 40E-51 | 1930 | | 98 | 18.6 |



Performance Curves

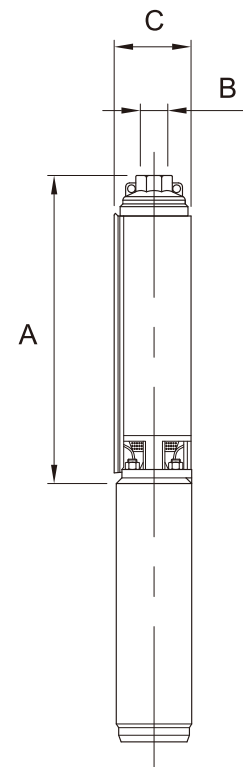


Specifications

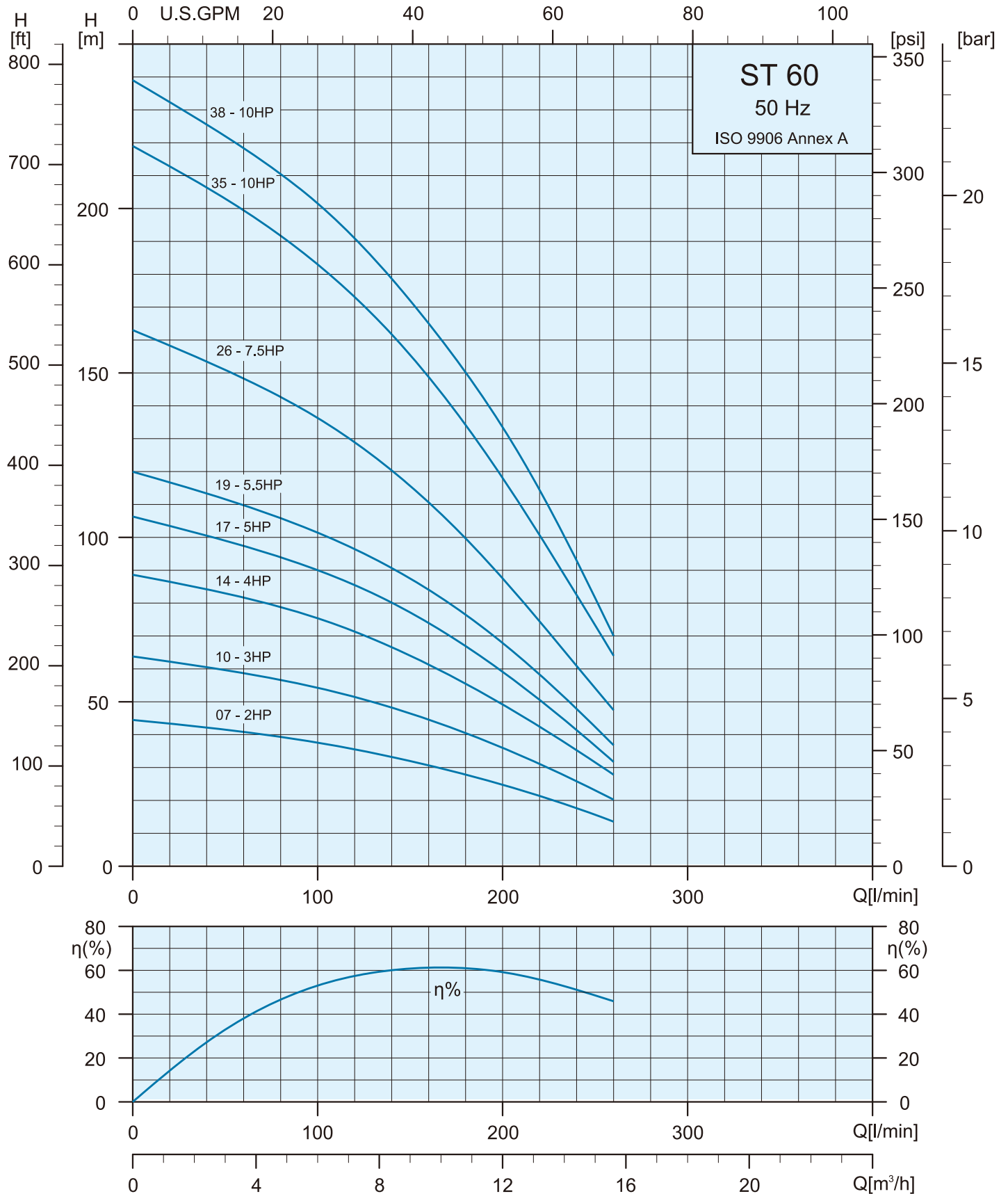
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | | |
|-----------|-------|-----|-------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| | kW | HP | l/min | 0 | 80 | 90 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 |
| | | | m ³ /h | 0 | 4.8 | 5.4 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 14.4 |
| ST 55-07 | 1.1 | 1.5 | H (m) | 41 | 35 | 34 | 33 | 32 | 29 | 26 | 23 | 18 | 14 | 8 |
| ST 55-10 | 1.5 | 2.0 | | 58 | 49 | 48 | 47 | 44 | 41 | 37 | 32 | 27 | 20 | 13 |
| ST 55-14 | 2.2 | 3.0 | | 83 | 71 | 69 | 67 | 63 | 58 | 54 | 48 | 40 | 31 | 20 |
| ST 55-18 | 3.0 | 4.0 | | 107 | 92 | 90 | 87 | 83 | 77 | 70 | 62 | 52 | 39 | 26 |
| ST 55-22 | 3.7 | 5.0 | | 131 | 110 | 107 | 104 | 98 | 91 | 82 | 71 | 58 | 45 | 30 |
| ST 55-24 | 4.0 | 5.5 | | 141 | 118 | 116 | 113 | 106 | 97 | 88 | 77 | 63 | 49 | 33 |
| ST 55-32 | 5.5 | 7.5 | | 189 | 162 | 157 | 153 | 144 | 134 | 122 | 107 | 90 | 70 | 47 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-----------------|----|-----------------|
| | A | B | C | PUMP |
| ST 55-07 | 537 | Rp 2" NPT 2" | 98 | 5.3 |
| ST 55-10 | 693 | | 98 | 6.7 |
| ST 55-14 | 901 | | 98 | 8.5 |
| ST 55-18 | 1185 | | 98 | 11.4 |
| ST 55-22 | 1410 | | 98 | 13.3 |
| ST 55-24 | 1515 | | 98 | 14.2 |
| ST 55-32 | 1932 | | 98 | 18.0 |



Performance Curves

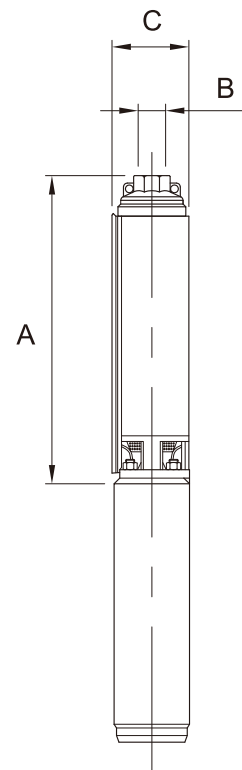


Specifications

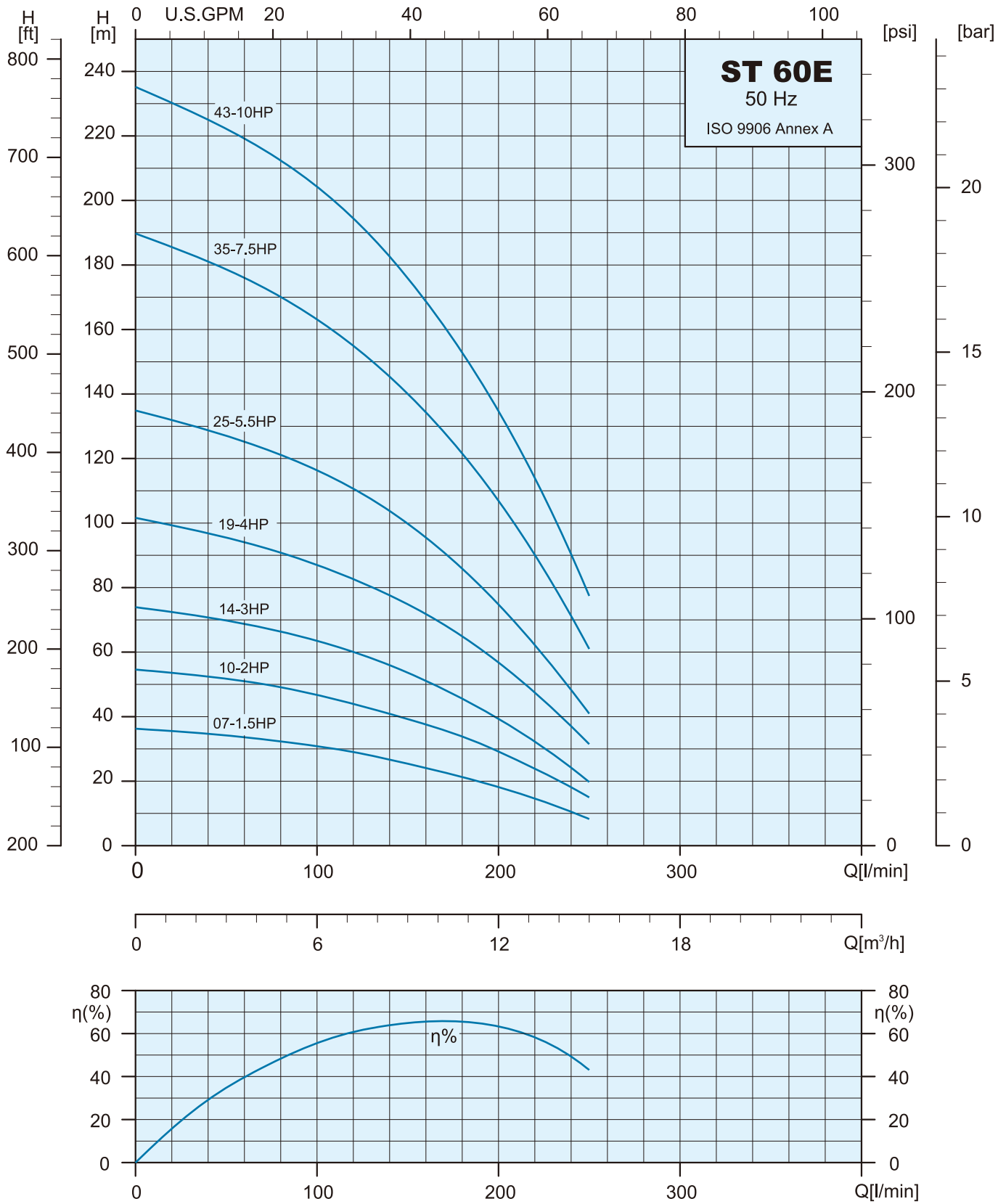
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|------|------|------|------|------|
| | kW | HP | l/min | 0 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 |
| | | | m ³ /h | 0 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 14.4 | 15.6 |
| ST 60-07 | 1.5 | 2.0 | H (m) | 45 | 37 | 36 | 33 | 31 | 28 | 25 | 22 | 18 | 14 |
| ST 60-10 | 2.2 | 3.0 | | 64 | 54 | 52 | 48 | 44 | 41 | 36 | 32 | 26 | 20 |
| ST 60-14 | 3.0 | 4.0 | | 89 | 76 | 72 | 67 | 62 | 56 | 49 | 43 | 35 | 28 |
| ST 60-17 | 3.7 | 5.0 | | 107 | 90 | 86 | 80 | 74 | 67 | 59 | 51 | 42 | 32 |
| ST 60-19 | 4.0 | 5.5 | | 120 | 102 | 97 | 91 | 89 | 76 | 68 | 58 | 48 | 37 |
| ST 60-26 | 5.5 | 7.5 | | 163 | 136 | 129 | 120 | 111 | 100 | 87 | 75 | 61 | 48 |
| ST 60-35 | 7.5 | 10.0 | | 219 | 183 | 173 | 162 | 149 | 134 | 118 | 111 | 82 | 64 |
| ST 60-38 | 7.5 | 10.0 | | 239 | 201 | 191 | 178 | 165 | 150 | 134 | 114 | 93 | 70 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-----------------|----|-----------------|
| | A | B | C | PUMP |
| ST 60-07 | 534 | Rp 2" NPT 2" | 98 | 5.3 |
| ST 60-10 | 690 | | 98 | 6.7 |
| ST 60-14 | 989 | | 98 | 8.6 |
| ST 60-17 | 1092 | | 98 | 10.1 |
| ST 60-19 | 1233 | | 98 | 12.0 |
| ST 60-26 | 1620 | | 98 | 15.3 |
| ST 60-35 | 2165 | | 98 | 19.6 |
| ST 60-38 | 2322 | | 98 | 21.5 |



Performance Curves

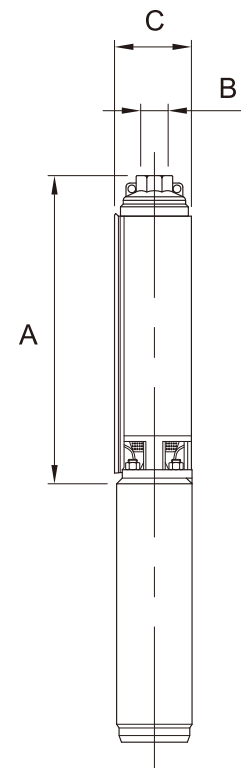


Specifications

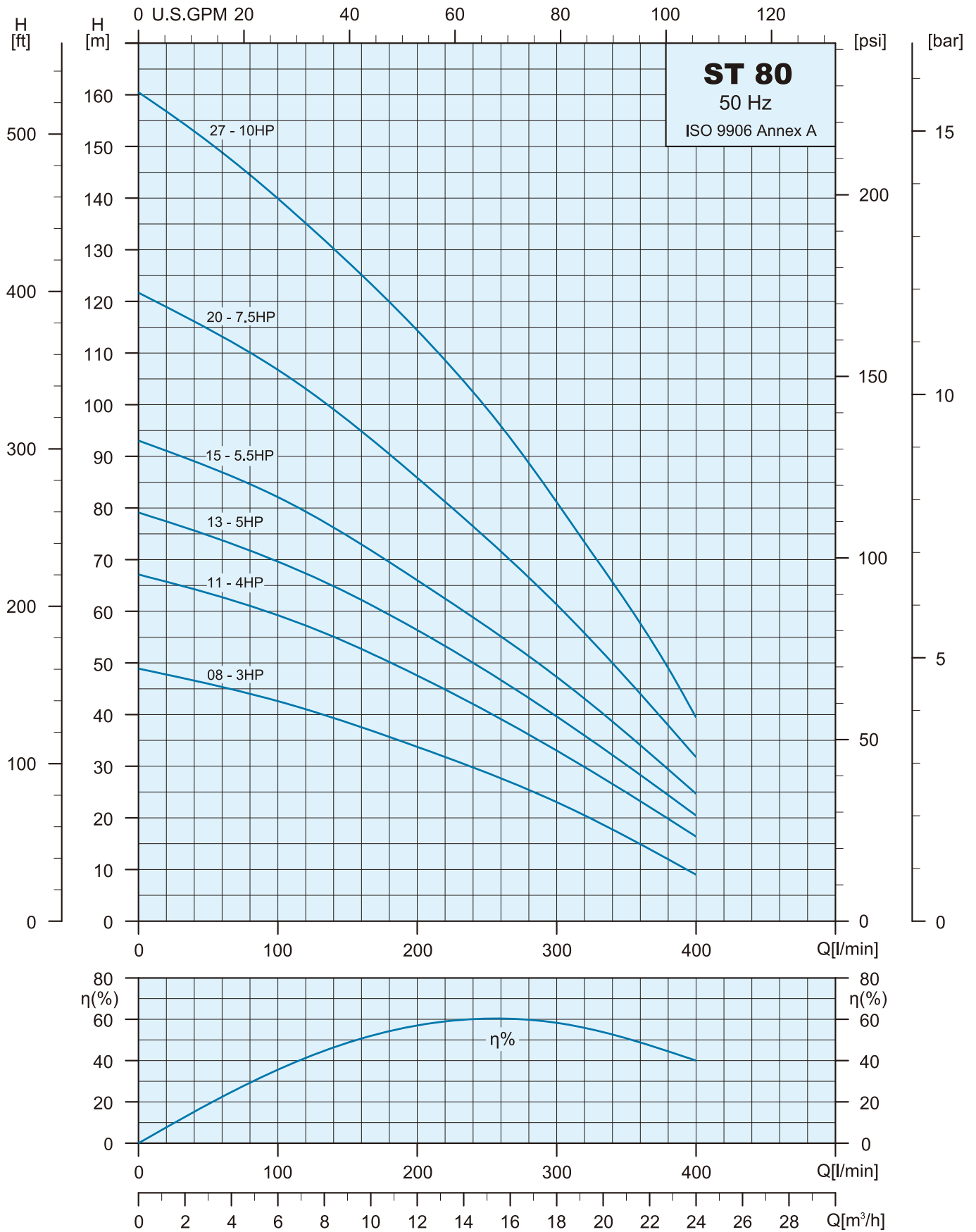
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|------|------|------|------|
| | kW | HP | l/min | 0 | 90 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 |
| | | | m ³ /h | 0 | 5.4 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 14.4 |
| ST 60E-07 | 1.1 | 1.5 | H (m) | 36 | — | 31 | 29 | 27 | 24 | 21 | 18 | 15 | 11 |
| ST 60E-10 | 1.5 | 2.0 | | 55 | — | 47 | 44 | 41 | 38 | 34 | 29 | 24 | 18 |
| ST 60E-14 | 2.2 | 3.0 | | 74 | — | 64 | 60 | 56 | 51 | 46 | 39 | 32 | 24 |
| ST 60E-19 | 3.0 | 4.0 | | 102 | — | 87 | 83 | 78 | 72 | 65 | 57 | 48 | 37 |
| ST 60E-25 | 4.0 | 5.5 | | 135 | — | 116 | 111 | 104 | 96 | 86 | 75 | 62 | 48 |
| ST 60E-35 | 5.5 | 7.5 | | 190 | — | 163 | 155 | 145 | 134 | 122 | 107 | 90 | 71 |
| ST 60E-43 | 7.5 | 10.0 | | 235 | — | 204 | 194 | 183 | 169 | 153 | 135 | 114 | 90 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-----------------|----|-----------------|
| | A | B | C | PUMP |
| ST 60E-07 | 540 | Rp 2" NPT 2" | 98 | 4.9 |
| ST 60E-10 | 695 | | 98 | 6.3 |
| ST 60E-14 | 905 | | 98 | 8.1 |
| ST 60E-19 | 1240 | | 98 | 11.0 |
| ST 60E-25 | 1570 | | 98 | 14.3 |
| ST 60E-35 | 2165 | | 98 | 19.8 |
| ST 60E-43 | 2585 | | 98 | 24.0 |



Performance Curves

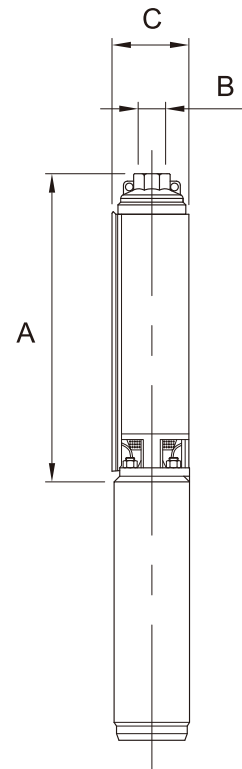


Specifications

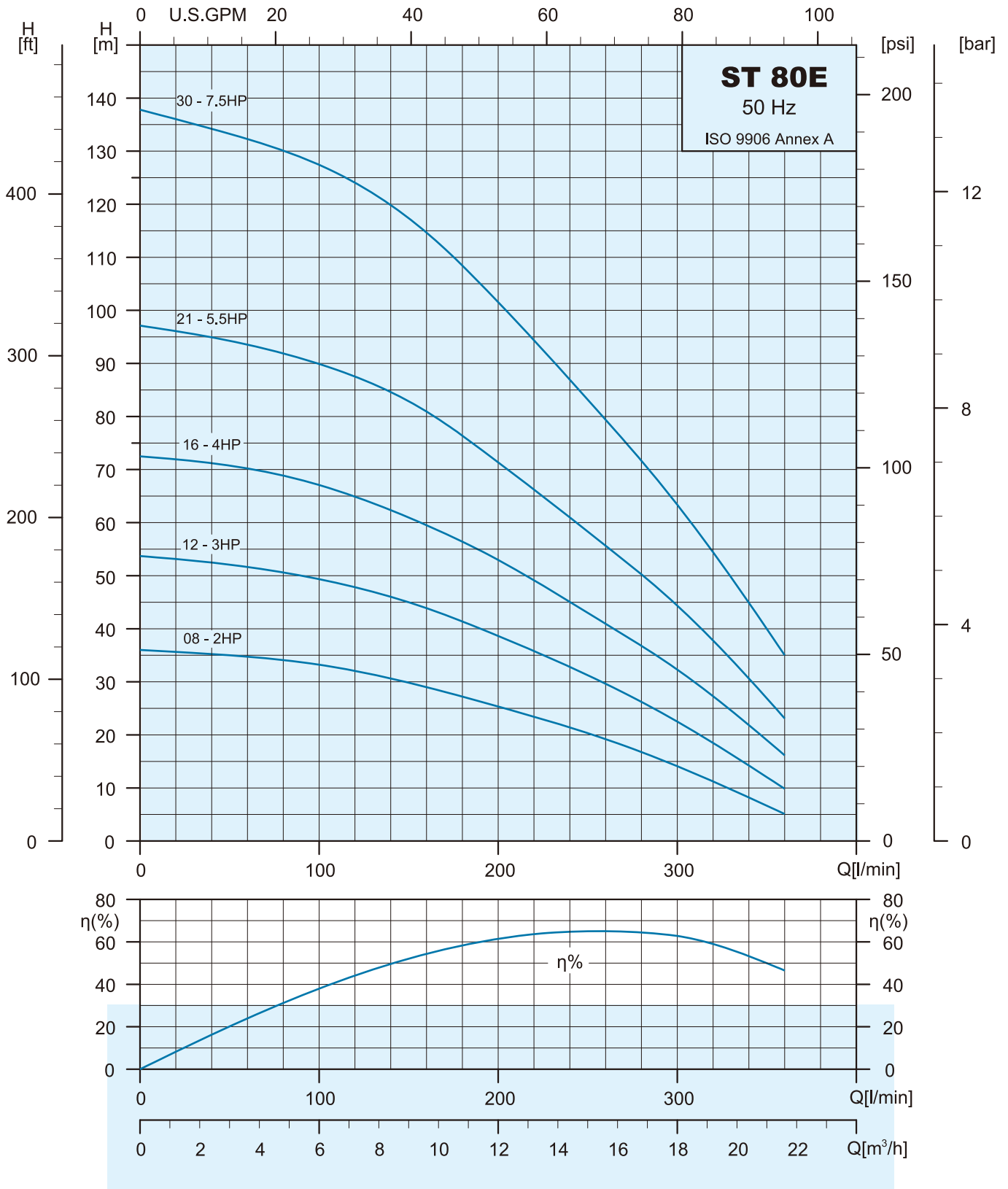
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| | kW | HP | l/min | 0 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 |
| | | | m ³ /h | 0 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 14.4 | 15.6 | 16.8 | 18.0 | 19.2 | 20.4 | 21.6 | 22.8 | 24.0 |
| ST 80-08 | 2.2 | 3.0 | H (m) | 49 | 39 | 38 | 36 | 34 | 32 | 30 | 28 | 25 | 23 | 20 | 18 | 15 | 12 | 9 |
| ST 80-11 | 3.0 | 4.0 | | 67 | 55 | 53 | 50 | 48 | 45 | 42 | 39 | 36 | 33 | 30 | 27 | 23 | 20 | 16 |
| ST 80-13 | 3.7 | 5.0 | | 79 | 65 | 62 | 59 | 56 | 53 | 50 | 47 | 43 | 40 | 36 | 32 | 28 | 24 | 20 |
| ST 80-15 | 4.0 | 5.5 | | 93 | 76 | 73 | 70 | 66 | 62 | 59 | 55 | 51 | 47 | 43 | 39 | 34 | 29 | 25 |
| ST 80-20 | 5.5 | 7.5 | | 122 | 99 | 95 | 90 | 86 | 81 | 76 | 72 | 67 | 61 | 56 | 50 | 44 | 38 | 32 |
| ST 80-27 | 7.5 | 10.0 | | 161 | 130 | 125 | 120 | 114 | 109 | 102 | 96 | 89 | 81 | 73 | 65 | 57 | 49 | 39 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-----------------|----|-----------------|
| | A | B | C | |
| ST 80-08 | 676 | Rp 2" NPT 2" | 98 | 6.3 |
| ST 80-11 | 880 | | 98 | 8.1 |
| ST 80-13 | 1013 | | 98 | 9.3 |
| ST 80-15 | 1149 | | 98 | 10.5 |
| ST 80-20 | 1543 | | 98 | 13.5 |
| ST 80-27 | 2020 | | 98 | 18.5 |



Performance Curves

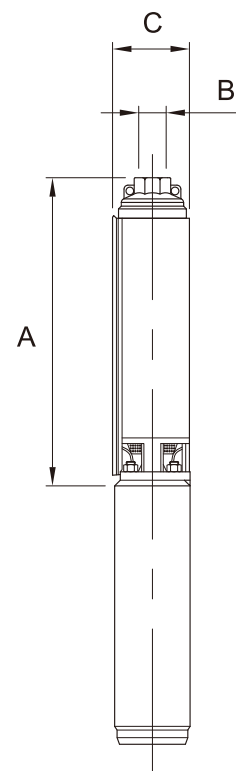


Specifications

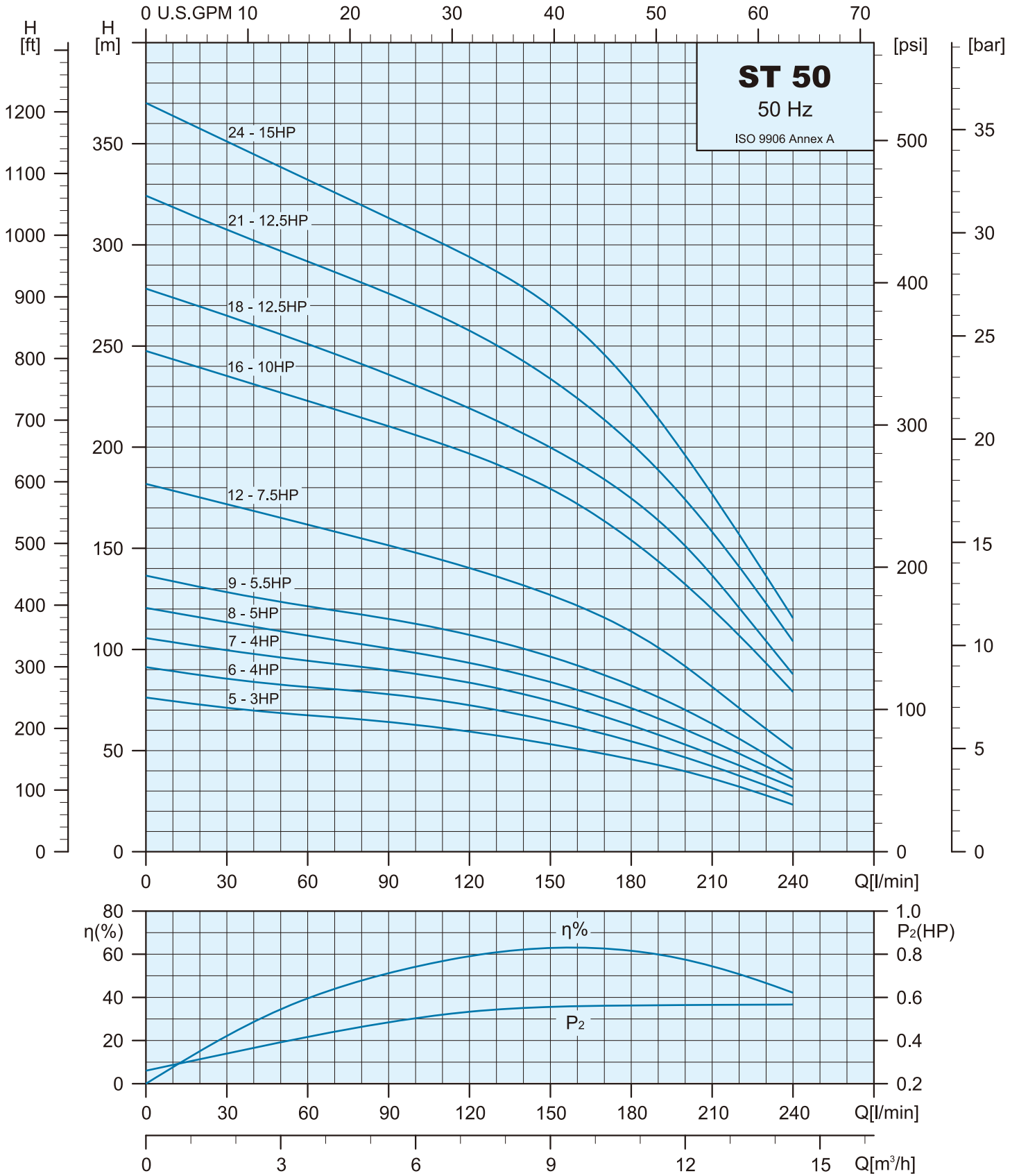
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | | | | |
|-----------|-------|-----|-------------------|------|------|-------|------|-------|------|------|------|------|------|------|------|------|
| | kW | HP | l/min | 0 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 |
| | | | m ³ /h | 0 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 14.4 | 15.6 | 16.8 | 18.0 | 19.2 | 20.4 | 21.6 |
| ST 80E-08 | 1.5 | 2.0 | H (m) | 36 | 30.5 | 29 | 27 | 25 | 23 | 21 | 19 | 16.5 | 14 | 11 | 8 | 5 |
| ST 80E-12 | 2.2 | 3.0 | | 54 | 46 | 44 | 41 | 38.5 | 35.5 | 32.5 | 29.5 | 26 | 22.5 | 18 | 14 | 10 |
| ST 80E-16 | 3.0 | 4.0 | | 72.5 | 62 | 59.5 | 56 | 53 | 49 | 45 | 41 | 36.5 | 32 | 27 | 21 | 16 |
| ST 80E-21 | 4.0 | 5.5 | | 97 | 84.5 | 81 | 76 | 71 | 66 | 61 | 55.5 | 50 | 44 | 37.5 | 30 | 23 |
| ST 80E-30 | 5.5 | 7.5 | | 138 | 120 | 114.5 | 108 | 101.5 | 94 | 87 | 79 | 71.5 | 63 | 54 | 44.5 | 34.5 |

Dimensions and Weights

| Pump Type | Dimensions (mm) | | | Net Weight (kg) |
|-----------|-----------------|-----------------|----|-----------------|
| | A | B | C | PUMP |
| ST 80E-08 | 680 | Rp 2" NPT 2" | 98 | 6.1 |
| ST 80E-12 | 950 | | 98 | 8.4 |
| ST 80E-16 | 1220 | | 98 | 10.8 |
| ST 80E-21 | 1610 | | 98 | 14.7 |
| ST 80E-30 | 2225 | | 98 | 20.1 |



Performance Curves

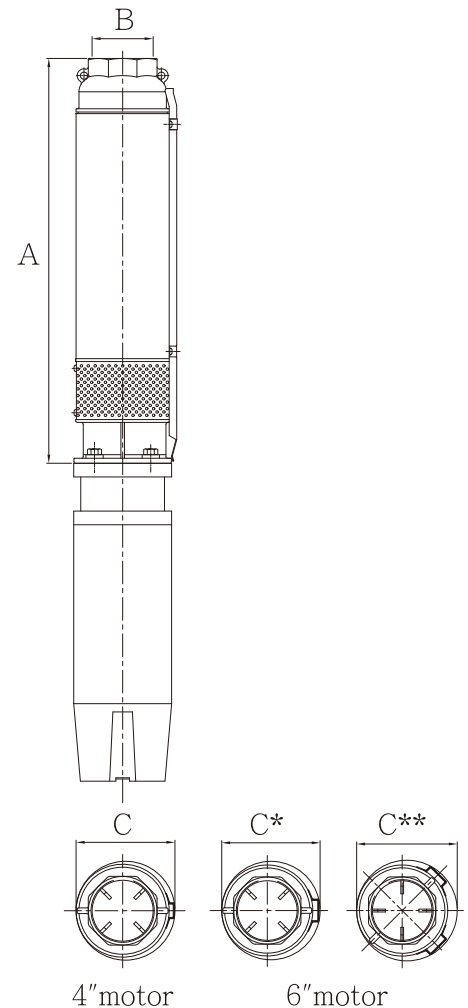


Specifications

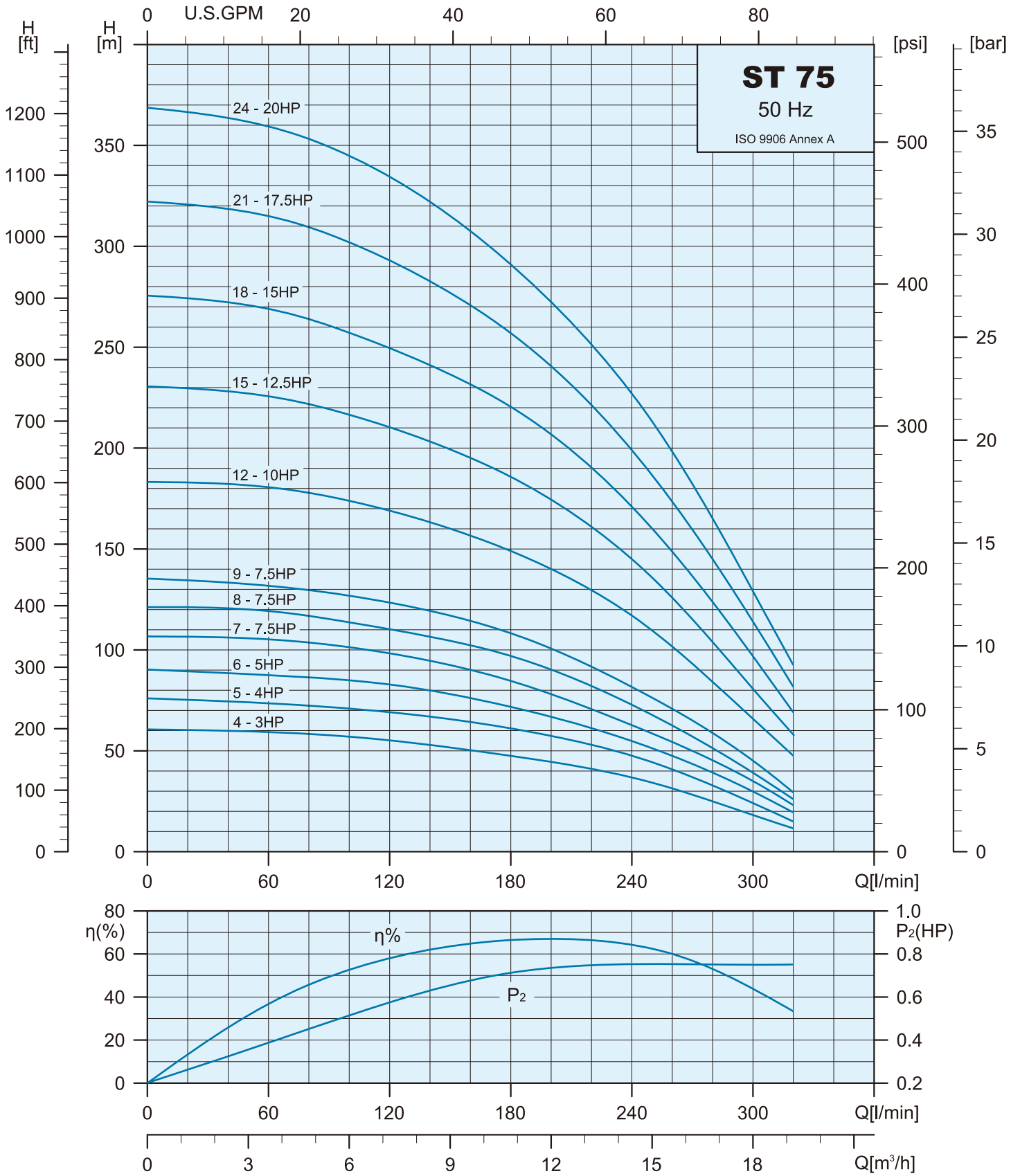
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| | kW | HP | l/min | 0 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 |
| | | | m ³ /h | 0 | 3.6 | 4.8 | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 14.4 |
| ST 50-05 | 2.2 | 3.0 | H (m) | 77 | 67 | 65 | 62 | 59 | 55 | 51 | 45 | 39 | 32 | 23 |
| ST 50-06 | 3.0 | 4.0 | | 92 | 81 | 79 | 76 | 72 | 67 | 61 | 54 | 46 | 37 | 27 |
| ST 50-07 | 3.0 | 4.0 | | 106 | 94 | 91 | 88 | 84 | 79 | 71 | 62 | 53 | 42 | 32 |
| ST 50-08 | 3.7 | 5.0 | | 121 | 107 | 102 | 98 | 93 | 87 | 80 | 71 | 60 | 48 | 35 |
| ST 50-09 | 4.0 | 5.5 | | 137 | 121 | 117 | 112 | 107 | 100 | 92 | 82 | 70 | 56 | 40 |
| ST 50-12 | 5.5 | 7.5 | | 182 | 161 | 155 | 148 | 140 | 131 | 121 | 109 | 91 | 71 | 50 |
| ST 50-16 | 7.5 | 10.0 | | 248 | 223 | 214 | 206 | 196 | 186 | 172 | 154 | 132 | 107 | 79 |
| ST 50-18 | 9.3 | 12.5 | | 279 | 251 | 241 | 230 | 219 | 206 | 192 | 174 | 151 | 120 | 87 |
| ST 50-21 | 9.3 | 12.5 | | 325 | 292 | 281 | 270 | 257 | 242 | 224 | 201 | 174 | 141 | 104 |
| ST 50-24 | 11.0 | 15.0 | | 371 | 332 | 319 | 307 | 294 | 279 | 258 | 231 | 196 | 156 | 115 |

Dimensions and Weights

| Pump Type | Motor Type | Dimensions (mm) | | | | | Net Weight (kg) |
|-----------|------------|-----------------|-----------------|-----|-----|------|-----------------|
| | | A | B | C | C* | C** | PUMP |
| ST 50-05 | 4" | 539 | Rp 3" NPT 3" | 138 | — | — | 10.3 |
| ST 50-06 | | 577 | | 138 | — | — | 11.1 |
| ST 50-07 | | 615 | | 138 | — | — | 11.8 |
| ST 50-08 | | 653 | | 138 | — | — | 12.5 |
| ST 50-09 | | 691 | | 138 | — | — | 13.1 |
| ST 50-12 | | 805 | | 138 | — | — | 15.0 |
| ST 50-16 | | 957 | | 138 | — | — | 17.7 |
| ST 50-12 | | 6" | | 819 | — | 141 | 141 |
| ST 50-16 | 971 | | — | 141 | 141 | 18.7 | |
| ST 50-18 | 1047 | | — | 141 | 141 | 20.0 | |
| ST 50-21 | 1161 | | — | 141 | 141 | 21.9 | |
| ST 50-24 | 1275 | | — | 141 | 141 | 24.0 | |



Performance Curves

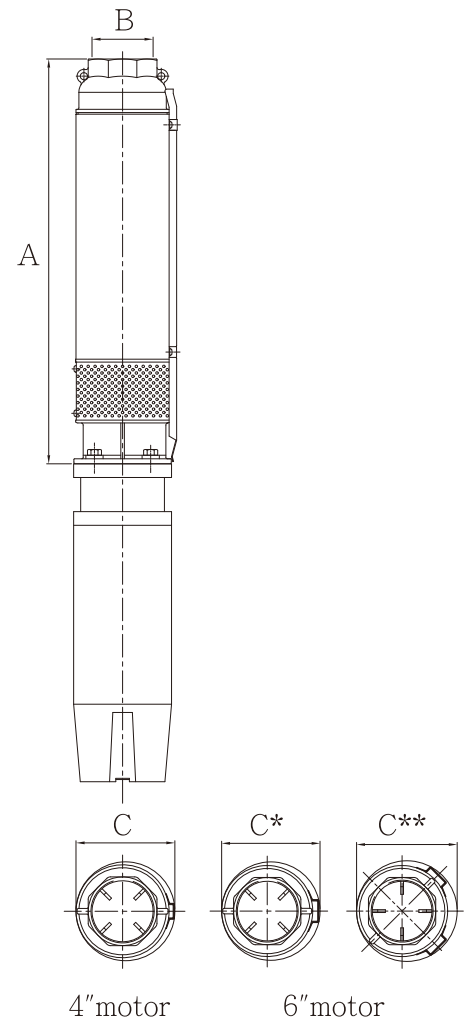


Specifications

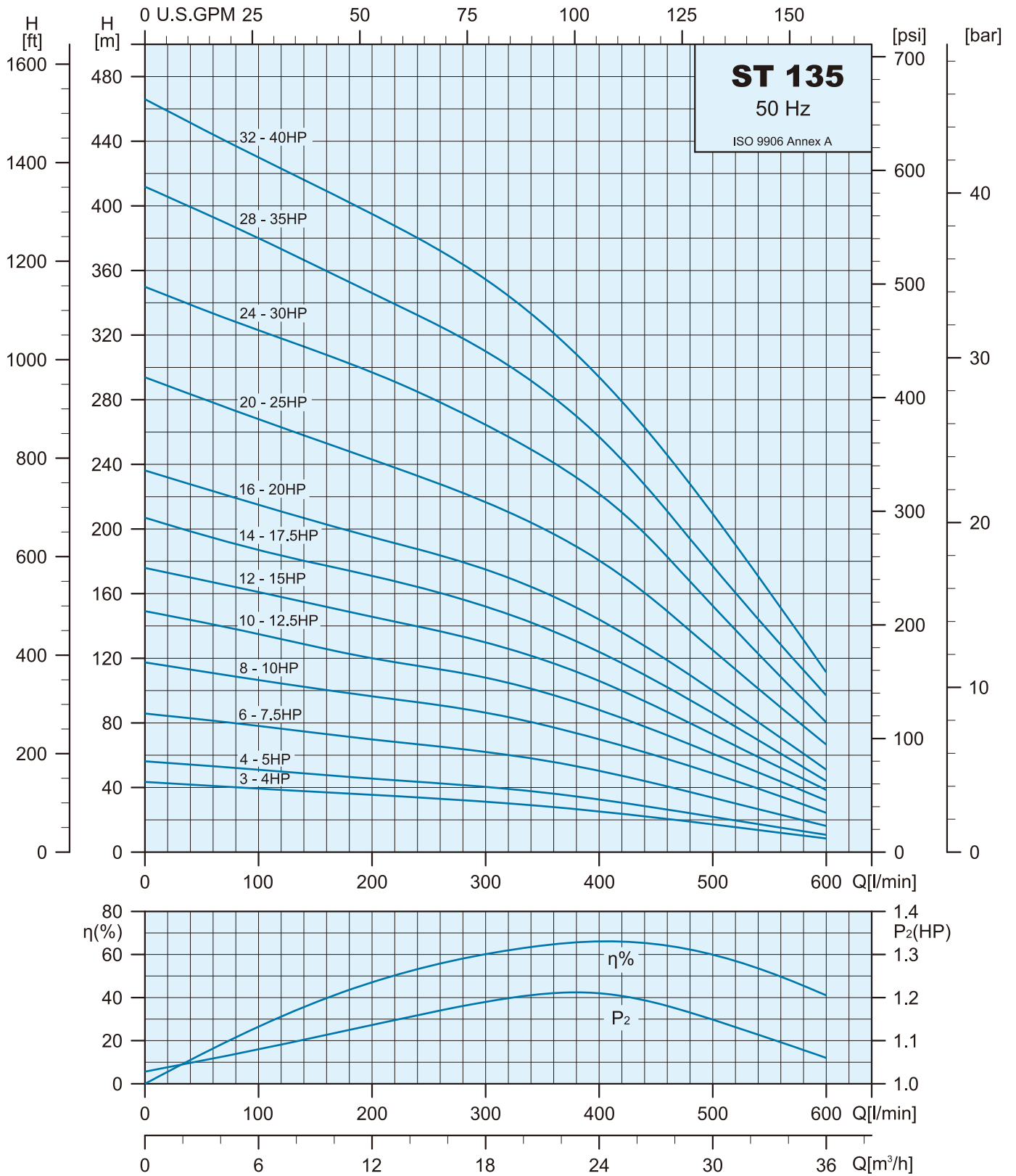
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| | kW | HP | l/min | 0 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 |
| | | | m ³ /h | 0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 14.4 | 15.6 | 16.8 | 18.0 | 19.2 |
| ST 75-04 | 2.2 | 3.0 | H (m) | 61 | 55 | 53 | 50 | 47 | 44 | 41 | 37 | 31 | 25 | 18 | 11 |
| ST 75-05 | 3.0 | 4.0 | | 77 | 69 | 67 | 64 | 61 | 57 | 53 | 47 | 40 | 33 | 24 | 15 |
| ST 75-06 | 3.7 | 5.0 | | 91 | 82 | 80 | 76 | 71 | 67 | 61 | 55 | 47 | 39 | 29 | 19 |
| ST 75-07 | 5.5 | 7.5 | | 107 | 98 | 94 | 90 | 84 | 78 | 70 | 62 | 54 | 45 | 35 | 23 |
| ST 75-08 | 5.5 | 7.5 | | 122 | 110 | 106 | 102 | 97 | 90 | 82 | 73 | 62 | 51 | 39 | 26 |
| ST 75-09 | 5.5 | 7.5 | | 136 | 123 | 119 | 114 | 108 | 101 | 91 | 81 | 71 | 59 | 45 | 29 |
| ST 75-12 | 7.5 | 10.0 | | 184 | 169 | 163 | 156 | 149 | 140 | 129 | 117 | 101 | 84 | 66 | 47 |
| ST 75-15 | 9.3 | 12.5 | | 231 | 210 | 203 | 195 | 185 | 174 | 161 | 145 | 126 | 104 | 80 | 57 |
| ST 75-18 | 11.0 | 15.0 | | 276 | 249 | 241 | 231 | 220 | 206 | 190 | 171 | 148 | 123 | 97 | 69 |
| ST 75-21 | 13.0 | 17.5 | | 323 | 293 | 282 | 271 | 257 | 240 | 221 | 199 | 173 | 145 | 114 | 81 |
| ST 75-24 | 15.0 | 20.0 | | 369 | 334 | 322 | 307 | 291 | 272 | 251 | 227 | 198 | 165 | 129 | 92 |

Dimensions and Weights

| Pump Type | Motor Type | Dimensions (mm) | | | | | Net Weight (kg) | |
|-----------|------------|-----------------|-----------------|-----|------|------|-----------------|------|
| | | A | B | C | C* | C** | PUMP | |
| ST 75-04 | 4" | 501 | Rp 3" NPT 3" | 138 | — | — | 9.6 | |
| ST 75-05 | | 539 | | 138 | — | — | 10.3 | |
| ST 75-06 | | 577 | | 138 | — | — | 11.0 | |
| ST 75-07 | | 615 | | 138 | — | — | 11.7 | |
| ST 75-08 | | 653 | | 138 | — | — | 12.5 | |
| ST 75-09 | | 691 | | 138 | — | — | 13.1 | |
| ST 75-12 | | 805 | | 138 | — | — | 15.0 | |
| ST 75-07 | | 6" | | 629 | — | 141 | 141 | 12.5 |
| ST 75-08 | | | | 667 | — | 141 | 141 | 13.2 |
| ST 75-09 | 705 | | — | 141 | 141 | 13.9 | | |
| ST 75-12 | 819 | | — | 141 | 141 | 15.8 | | |
| ST 75-15 | 933 | | — | 141 | 141 | 17.8 | | |
| ST 75-18 | 1047 | | — | 141 | 141 | 19.9 | | |
| ST 75-21 | 1161 | | — | 141 | 141 | 21.8 | | |
| ST 75-24 | 1275 | — | 141 | 141 | 23.8 | | | |



Performance Curves

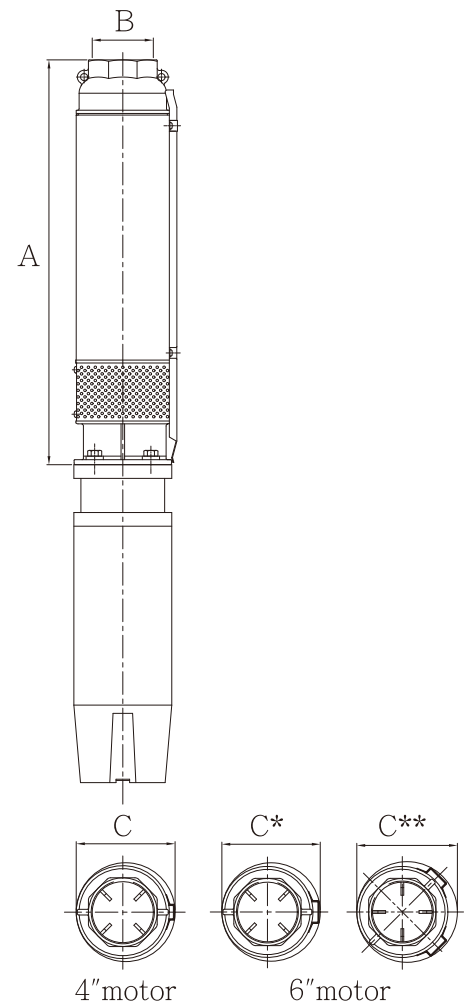


Specifications

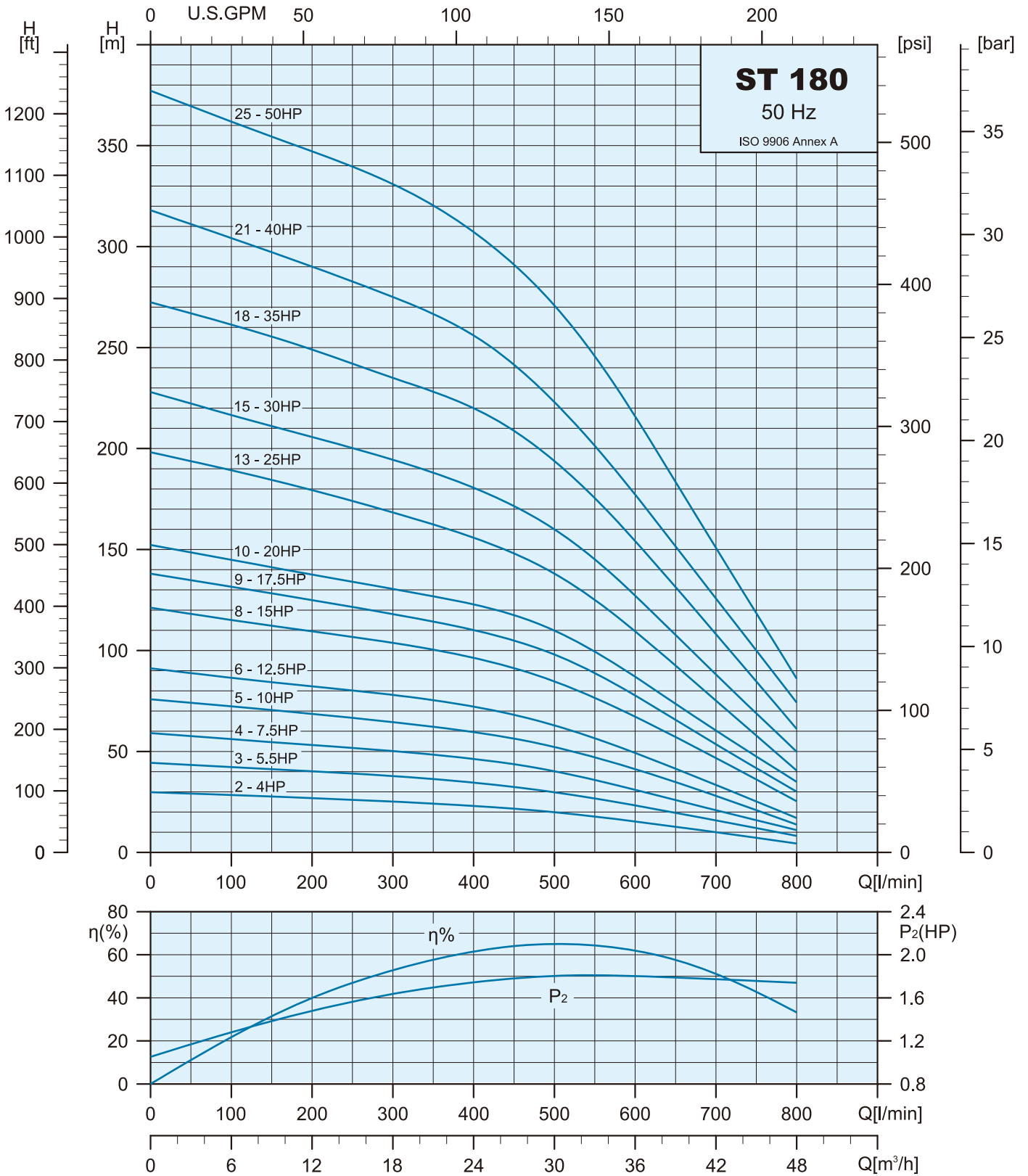
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|------|------|------|------|------|------|------|------|------|------|------|
| | kW | HP | l/min | 0.0 | 200 | 240 | 280 | 320 | 360 | 400 | 440 | 480 | 520 | 560 | 600 |
| | | | m ³ /h | 0.0 | 12.0 | 14.4 | 16.8 | 19.2 | 21.6 | 24.0 | 26.4 | 28.8 | 31.2 | 33.6 | 36.0 |
| ST 135-03 | 3.0 | 4.0 | H (m) | 44 | 36 | 34 | 32 | 30 | 28 | 25 | 22 | 19 | 15 | 12 | 8 |
| ST 135-04 | 3.7 | 5.0 | | 57 | 45 | 43 | 41 | 39 | 36 | 32 | 28 | 24 | 19 | 15 | 10 |
| ST 135-06 | 5.5 | 7.5 | | 86 | 69 | 66 | 63 | 60 | 55 | 50 | 44 | 37 | 30 | 23 | 16 |
| ST 135-08 | 7.5 | 10.0 | | 118 | 96 | 92 | 88 | 83 | 77 | 70 | 62 | 53 | 44 | 34 | 24 |
| ST 135-10 | 9.3 | 12.5 | | 150 | 120 | 115 | 110 | 105 | 97 | 88 | 77 | 66 | 55 | 43 | 32 |
| ST 135-12 | 11.0 | 15.0 | | 176 | 145 | 139 | 133 | 126 | 116 | 106 | 93 | 80 | 66 | 52 | 38 |
| ST 135-14 | 13.0 | 17.5 | | 207 | 171 | 164 | 156 | 147 | 136 | 124 | 109 | 94 | 77 | 61 | 44 |
| ST 135-16 | 15.0 | 20.0 | | 237 | 195 | 187 | 179 | 170 | 158 | 144 | 127 | 109 | 90 | 70 | 51 |
| ST 135-20 | 18.5 | 25.5 | | 294 | 243 | 233 | 222 | 210 | 197 | 180 | 160 | 137 | 113 | 89 | 66 |
| ST 135-24 | 22.0 | 30.0 | | 350 | 297 | 285 | 271 | 257 | 241 | 221 | 197 | 167 | 137 | 108 | 80 |
| ST 135-28 | 26.0 | 35.0 | | 412 | 346 | 332 | 318 | 301 | 281 | 257 | 227 | 194 | 160 | 128 | 97 |
| ST 135-32 | 30.0 | 40.0 | | 466 | 395 | 380 | 363 | 344 | 321 | 294 | 262 | 228 | 190 | 151 | 111 |

Dimensions and Weights

| Pump Type | Motor Type | Dimensions (mm) | | | | | Net Weight (kg) |
|-----------|------------|-----------------|-----------------|-----|-----|-----|-----------------|
| | | A | B | C | C* | C** | PUMP |
| ST 135-03 | 4" | 520 | Rp 3" NPT 3" | 138 | — | — | 9.9 |
| ST 135-04 | | 577 | | 138 | — | — | 10.8 |
| ST 135-06 | | 691 | | 138 | — | — | 12.6 |
| ST 135-08 | | 805 | | 138 | — | — | 14.3 |
| ST 135-06 | 6" | 705 | | — | 141 | 144 | 13.5 |
| ST 135-08 | | 819 | | — | 141 | 144 | 15.2 |
| ST 135-10 | | 933 | | — | 141 | 144 | 17.0 |
| ST 135-12 | | 1047 | | — | 141 | 144 | 18.9 |
| ST 135-14 | | 1161 | | — | 141 | 144 | 20.7 |
| ST 135-16 | | 1275 | | — | 141 | 144 | 22.6 |
| ST 135-20 | | 1555 | | — | 141 | 144 | 27.0 |
| ST 135-24 | | 1783 | | — | 141 | 144 | 30.7 |
| ST 135-28 | | 2063 | | — | 141 | 144 | 35.1 |
| ST 135-32 | | 2291 | | — | 141 | 144 | 38.9 |



Performance Curves

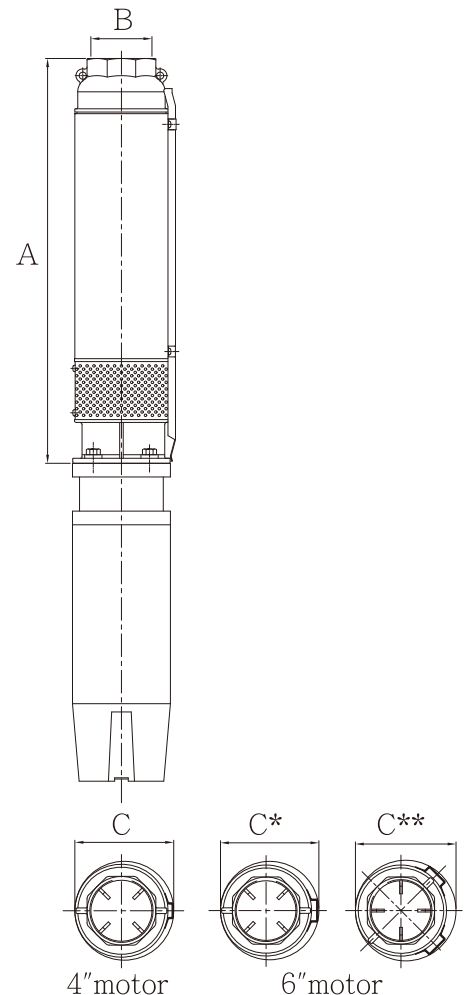


Specifications

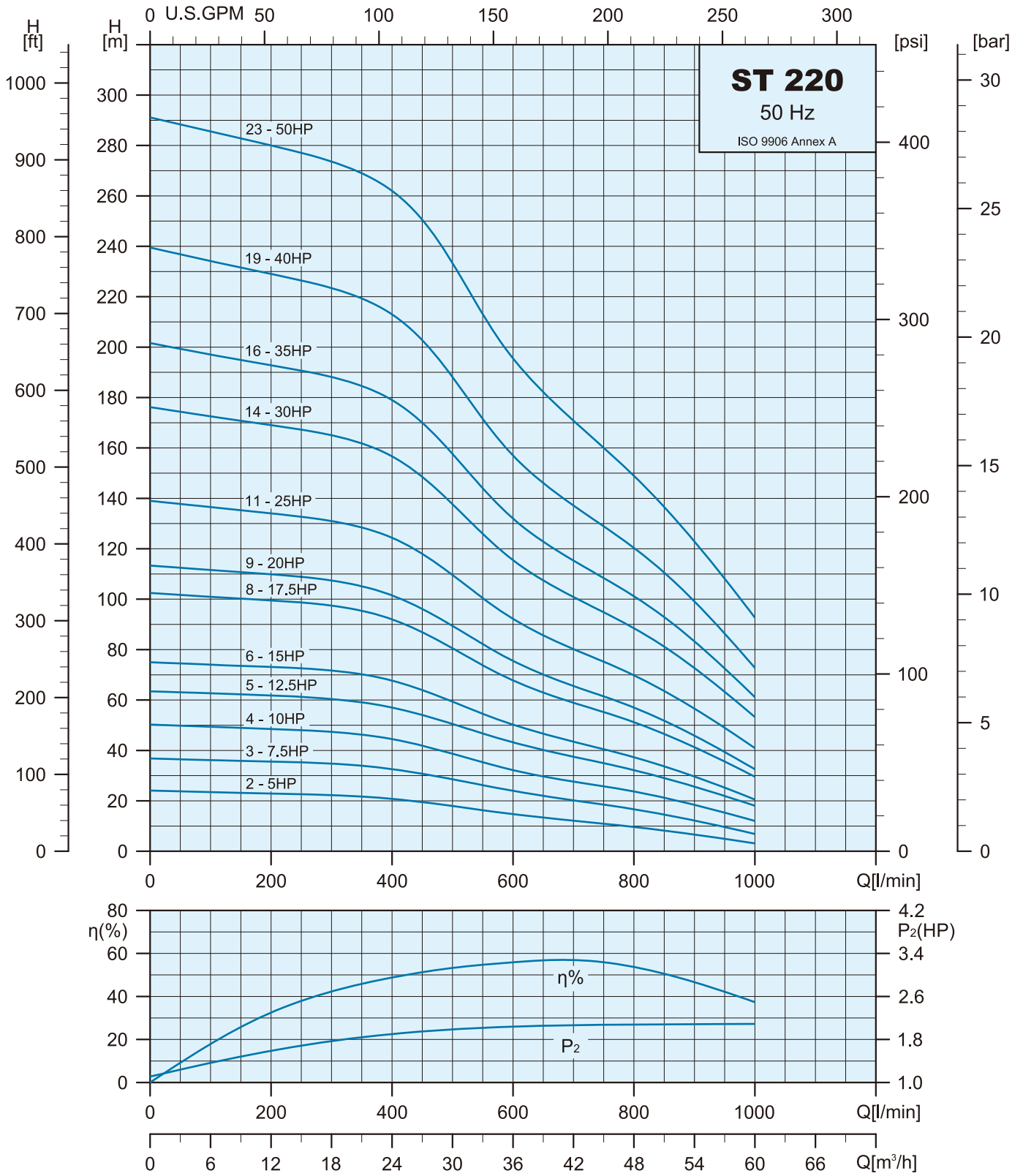
| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | | | |
|-----------|-------|------|-------------------|-----|------|------|------|------|------|------|------|------|------|------|------|
| | kW | HP | l/min | 0 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 |
| | | | m ³ /h | 0 | 18.0 | 21.0 | 24.0 | 27.0 | 30.0 | 33.0 | 36.0 | 39.0 | 42.0 | 45.0 | 48.0 |
| ST 180-02 | 3.0 | 4.0 | H (m) | 30 | 25 | 24 | 23 | 21 | 20 | 17 | 15 | 12 | 10 | 7 | 4 |
| ST 180-03 | 4.0 | 5.5 | | 45 | 38 | 36 | 34 | 32 | 29 | 26 | 23 | 19 | 16 | 12 | 8 |
| ST 180-04 | 5.5 | 7.5 | | 59 | 50 | 48 | 46 | 43 | 40 | 36 | 31 | 26 | 21 | 16 | 11 |
| ST 180-05 | 7.5 | 10.0 | | 76 | 64 | 62 | 59 | 56 | 52 | 47 | 41 | 35 | 28 | 21 | 13 |
| ST 180-06 | 9.3 | 12.5 | | 92 | 78 | 75 | 72 | 68 | 63 | 56 | 49 | 41 | 33 | 25 | 17 |
| ST 180-08 | 11.0 | 15.0 | | 122 | 103 | 100 | 96 | 91 | 84 | 76 | 67 | 57 | 46 | 36 | 25 |
| ST 180-09 | 13.0 | 17.5 | | 138 | 118 | 114 | 110 | 105 | 98 | 88 | 77 | 65 | 53 | 41 | 30 |
| ST 180-10 | 15.0 | 20.0 | | 153 | 130 | 127 | 123 | 117 | 110 | 99 | 87 | 73 | 60 | 47 | 35 |
| ST 180-13 | 18.5 | 25.0 | | 199 | 168 | 162 | 156 | 148 | 138 | 125 | 109 | 92 | 75 | 58 | 40 |
| ST 180-15 | 22.0 | 30.0 | | 228 | 194 | 188 | 180 | 171 | 160 | 145 | 127 | 107 | 88 | 69 | 50 |
| ST 180-18 | 26.0 | 35.0 | | 273 | 235 | 228 | 220 | 208 | 194 | 175 | 154 | 131 | 108 | 84 | 61 |
| ST 180-21 | 30.0 | 40.0 | | 318 | 275 | 266 | 256 | 241 | 223 | 201 | 177 | 151 | 125 | 100 | 74 |
| ST 180-25 | 37.0 | 50.0 | | 378 | 331 | 320 | 307 | 291 | 271 | 245 | 216 | 183 | 151 | 118 | 86 |

Dimensions and Weights

| Pump Type | Motor Type | Dimensions (mm) | | | | | Net Weight (kg) |
|-----------|------------|-----------------|-----------------|-----|-----|-----|-----------------|
| | | A | B | C | C* | C** | PUMP |
| ST 180-02 | 4" | 469 | Rp 3" NPT 3" | 138 | — | — | 8.9 |
| ST 180-03 | | 529 | | 138 | — | — | 9.9 |
| ST 180-04 | | 589 | | 138 | — | — | 10.7 |
| ST 180-05 | | 649 | | 138 | — | — | 11.8 |
| ST 180-04 | 6" | 603 | | — | 141 | 144 | 11.6 |
| ST 180-05 | | 663 | | — | 141 | 144 | 12.6 |
| ST 180-06 | | 723 | | — | 141 | 144 | 13.6 |
| ST 180-08 | | 843 | | — | 141 | 144 | 15.5 |
| ST 180-09 | | 903 | | — | 141 | 144 | 16.5 |
| ST 180-10 | | 963 | | — | 141 | 144 | 17.4 |
| ST 180-13 | | 1143 | | — | 141 | 144 | 20.3 |
| ST 180-15 | | 1263 | | — | 141 | 144 | 22.2 |
| ST 180-18 | | 1495 | | — | 141 | 144 | 25.9 |
| ST 180-21 | | 1675 | | — | 141 | 144 | 28.6 |
| ST 180-25 | | 1915 | | — | 141 | 144 | 32.5 |



Performance Curves

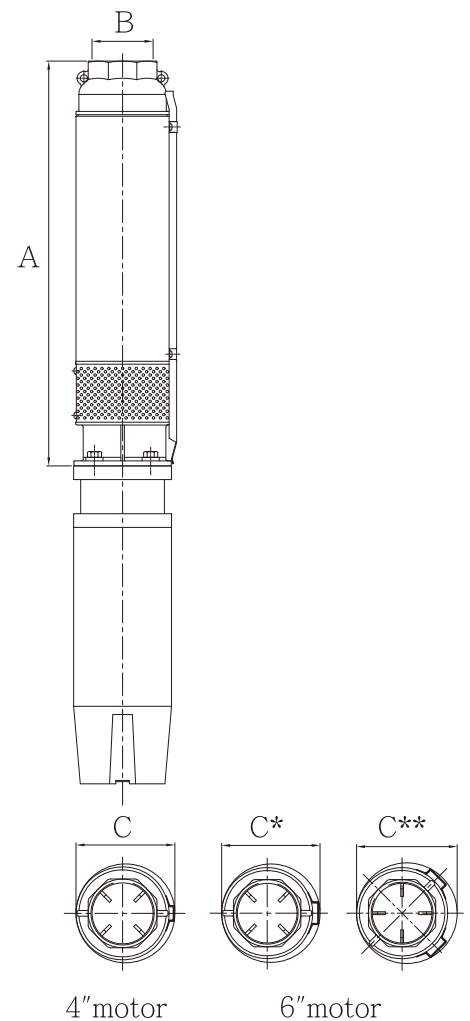


Specifications

| Pump Type | Motor | | Q=DELIVERY | | | | | | | | | | | | |
|-----------|-------|------|------------|-----|------|------|------|------|------|------|------|------|------|------|------|
| | kW | HP | l/min | 0 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 900 | 1000 |
| | | | m3/h | 0 | 24.0 | 27.0 | 30.0 | 33.0 | 36.0 | 39.0 | 42.0 | 45.0 | 48.0 | 54.0 | 60.0 |
| ST 220-02 | 3.7 | 5.0 | H (m) | 25 | 21 | 19 | 18 | 16 | 14 | 13 | 13 | 11 | 9 | 6 | 3 |
| ST 220-03 | 5.5 | 7.5 | | 37 | 32 | 30 | 28 | 26 | 24 | 22 | 21 | 18 | 16 | 12 | 7 |
| ST 220-04 | 7.5 | 10.0 | | 51 | 44 | 42 | 38 | 35 | 32 | 29 | 28 | 25 | 23 | 18 | 12 |
| ST 220-05 | 9.3 | 12.5 | | 64 | 57 | 54 | 50 | 46 | 43 | 40 | 38 | 35 | 32 | 25 | 18 |
| ST 220-06 | 11.0 | 15.0 | | 75 | 67 | 64 | 59 | 54 | 50 | 46 | 44 | 40 | 37 | 29 | 20 |
| ST 220-08 | 13.0 | 17.5 | | 103 | 92 | 87 | 80 | 74 | 67 | 63 | 59 | 55 | 51 | 41 | 29 |
| ST 220-09 | 15.0 | 20.0 | | 114 | 101 | 96 | 89 | 82 | 75 | 70 | 66 | 61 | 57 | 46 | 32 |
| ST 220-11 | 18.5 | 25.0 | | 139 | 124 | 118 | 109 | 100 | 92 | 85 | 81 | 75 | 70 | 56 | 41 |
| ST 220-14 | 22.0 | 30.0 | | 177 | 156 | 148 | 137 | 126 | 115 | 107 | 101 | 94 | 88 | 72 | 53 |
| ST 220-16 | 26.0 | 35.0 | | 202 | 179 | 170 | 157 | 144 | 132 | 123 | 116 | 108 | 101 | 83 | 61 |
| ST 220-19 | 30.0 | 40.0 | | 240 | 213 | 202 | 188 | 171 | 157 | 146 | 138 | 129 | 120 | 99 | 72 |
| ST 220-23 | 37.0 | 50.0 | | 292 | 262 | 250 | 233 | 213 | 195 | 182 | 171 | 160 | 149 | 123 | 92 |

Dimensions and Weights

| Pump Type | Motor Type | Dimensions (mm) | | | | | Net Weight (kg) |
|-----------|------------|-----------------|-----------------|-----|------|------|-----------------|
| | | A | B | C | C* | C** | PUMP |
| ST 220-02 | 4" | 469 | Rp 3" NPT 3" | 138 | — | — | 8.9 |
| ST 220-03 | | 529 | | 138 | — | — | 9.9 |
| ST 220-04 | | 589 | | 138 | — | — | 10.9 |
| ST 220-03 | 6" | 543 | | — | 141 | 144 | 10.7 |
| ST 220-04 | | 603 | | — | 141 | 144 | 11.7 |
| ST 220-05 | | 663 | | — | 141 | 144 | 12.6 |
| ST 220-06 | | 723 | | — | 141 | 144 | 13.6 |
| ST 220-08 | | 843 | | — | 141 | 144 | 15.5 |
| ST 220-09 | | 903 | | — | 141 | 144 | 16.5 |
| ST 220-11 | | 1023 | | — | 141 | 144 | 18.5 |
| ST 220-14 | | 1203 | | — | 141 | 144 | 21.5 |
| ST 220-16 | | 1323 | | — | 141 | 144 | 23.6 |
| ST 220-19 | | 1555 | — | 141 | 144 | 27.6 | |
| ST 220-23 | 1795 | — | 141 | 144 | 31.3 | | |





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