

In-line centrifugal pumps made of stainless steel AISI 304. Applications include chilled water, air-conditioning systems and heating systems for secondary hot water and general low-pressure applications in industry. Its light construction means installation can be achieved with 1 person where conventionally heavy cast iron & bronze pumps require additional personnel and lifting equipment.



SPECIFICATIONS

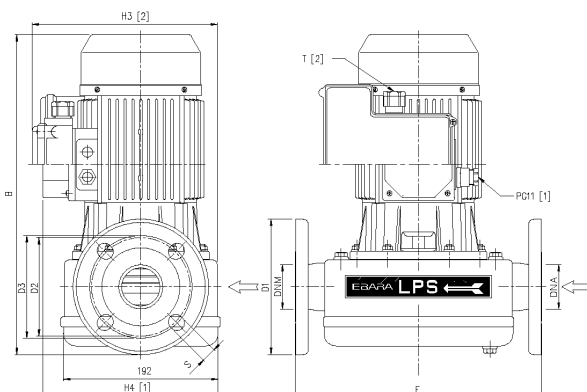
- Maximum positive suction pressure:
2 bar for all single-phase and for LPS 25 three-phase,
4 bar for LPS 32-40-50 three-phase
- Maximum liquid temperature: 100°C

MATERIALS

- Pump casing, impeller and casing cover in AISI 304
- Shaft in AISI 303
- Bracket and motor casing in aluminium
- Mechanical seal in carbon/ceramic/NBR

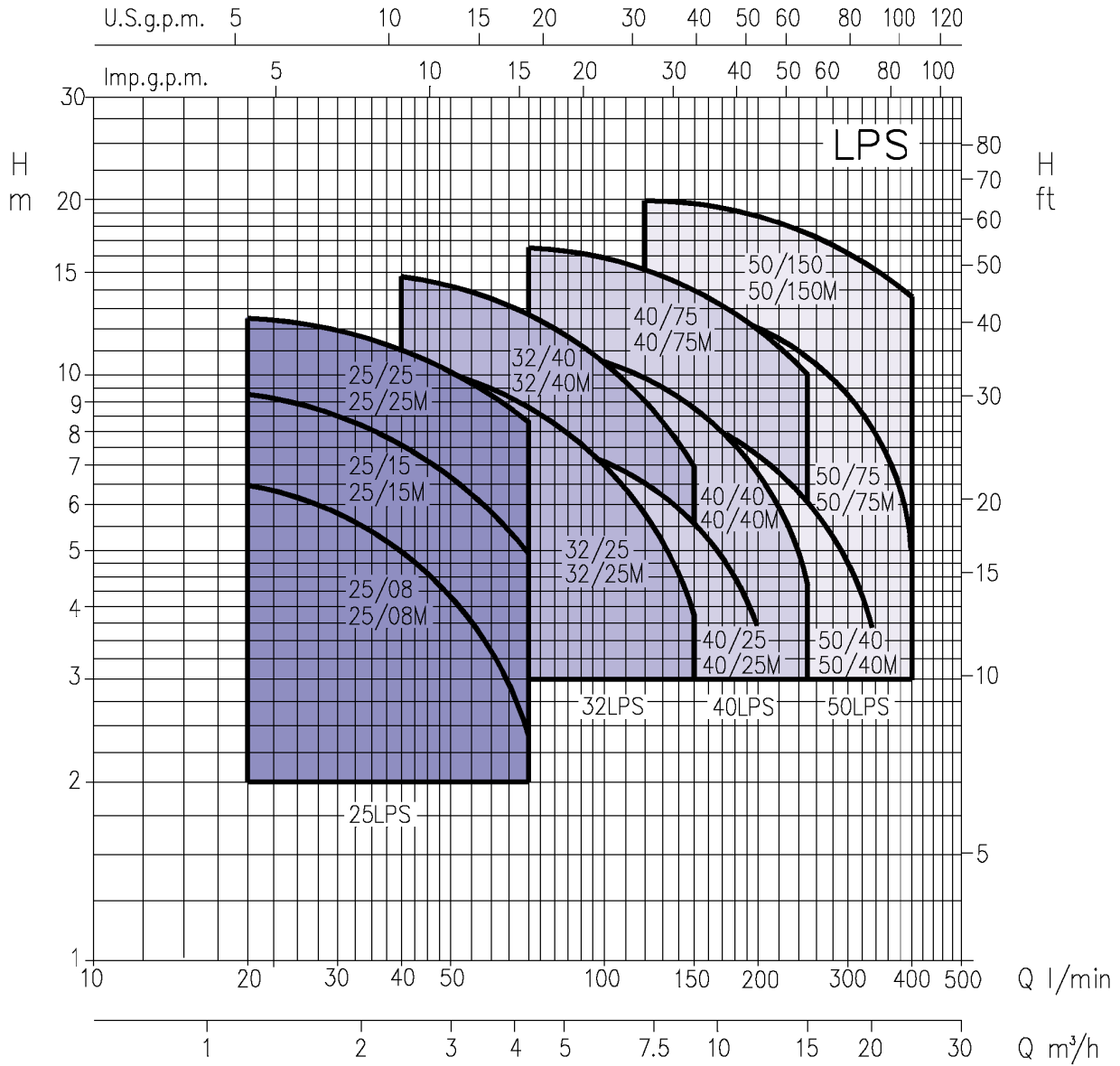
TECNICAL DATA

- Asynchronous 2 poles motor
- Insulation class F
- Protection degree IP55
- 1~230V ± 10% 50Hz - 3~400V ± 10% 50Hz
- Permanent split capacitor and automatic thermal overload protection for single-phase version
- Thermal protection to be provided by the user for three-phase version
- Flange: PN10



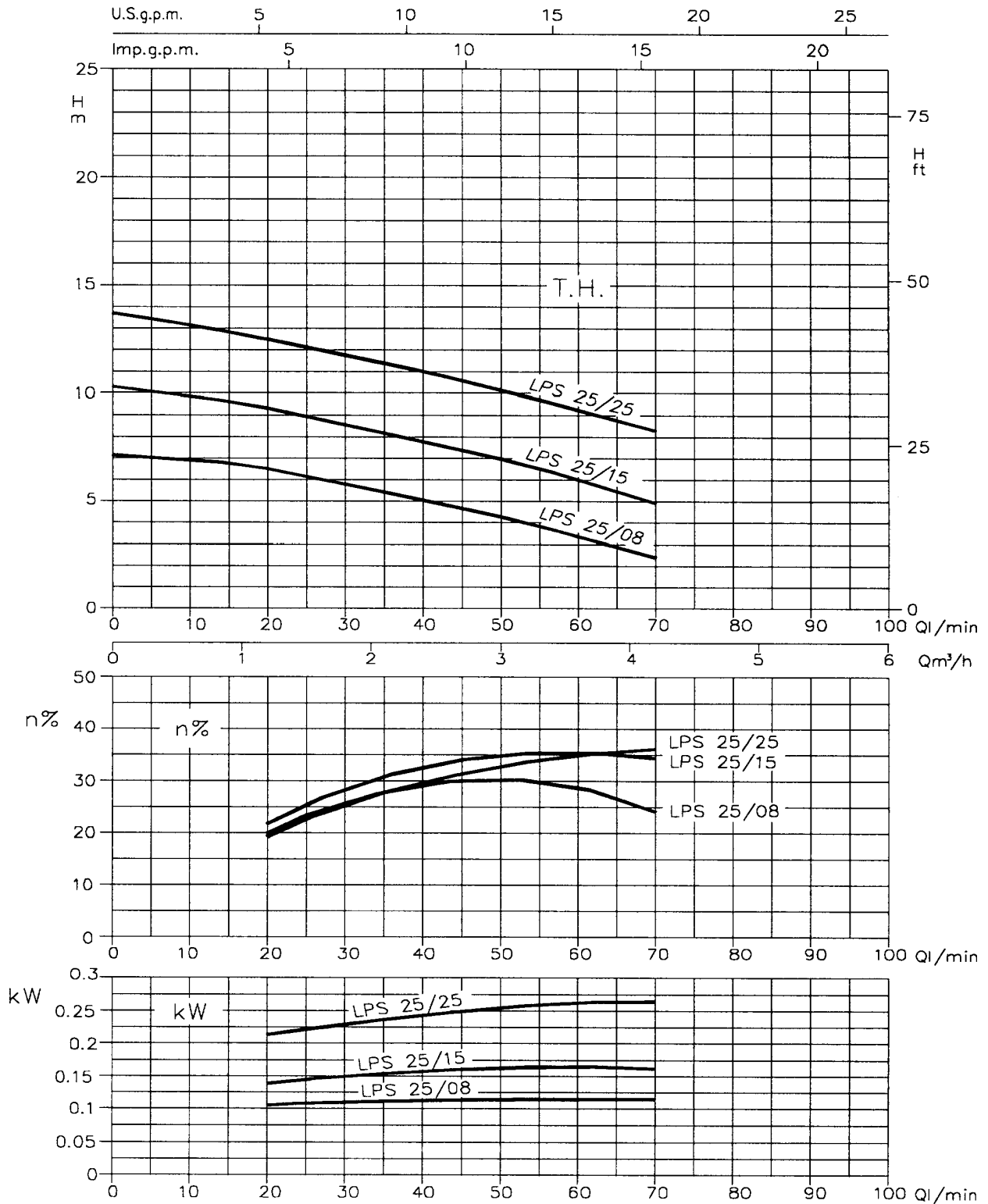
DIMENSIONAL TABLE

| Pump type | Dimension (mm) | | | | | | | | | | Weight kg | |
|------------|----------------|-------|-----|-----|--------|-----|-----|-----|-----|-----|--------------|------|
| | E | B | H3 | H4 | T | DNA | DNM | D1 | D2 | D3 | | S |
| LPS 25/08 | 300 | 320,5 | 181 | 171 | 1~ | 25 | 25 | 115 | 85 | 85 | 14 | 12,8 |
| LPS 25/15 | 300 | 320,5 | 181 | 171 | PG11 | 25 | 25 | 115 | 85 | 85 | 14 | 12,8 |
| LPS 25/25 | 300 | 320,5 | 181 | 171 | PG11 | 25 | 25 | 115 | 85 | 85 | 14 | 12,9 |
| LPS 32/25 | 305 | 340 | 181 | 171 | PG11 | 32 | 32 | 140 | 100 | 100 | 18 | 14,6 |
| LPS 32/40 | 305 | 340 | 181 | 171 | PG11 | 32 | 32 | 140 | 100 | 100 | 18 | 14,6 |
| LPS 40/25 | 305 | 345 | 181 | 171 | PG11 | 40 | 40 | 150 | 105 | 110 | 18 | 13,0 |
| LPS 40/40 | 305 | 345 | 181 | 171 | PG11 | 40 | 40 | 150 | 105 | 110 | 18 | 14,0 |
| LPS 40/75 | 305 | 345 | 181 | 171 | PG11 | 40 | 40 | 150 | 105 | 110 | 18 | 13,0 |
| LPS 50/40 | 310 | 357,5 | 181 | 171 | PG11 | 50 | 50 | 165 | 120 | 125 | 18 | 14,5 |
| LPS 50/75 | 310 | 357,5 | 181 | 171 | PG11 | 50 | 50 | 165 | 120 | 125 | 18 | 15,0 |
| LPS 50/150 | 310 | 389,5 | 213 | 194 | PG13,5 | 50 | 50 | 165 | 120 | 125 | 18 | 18,5 |

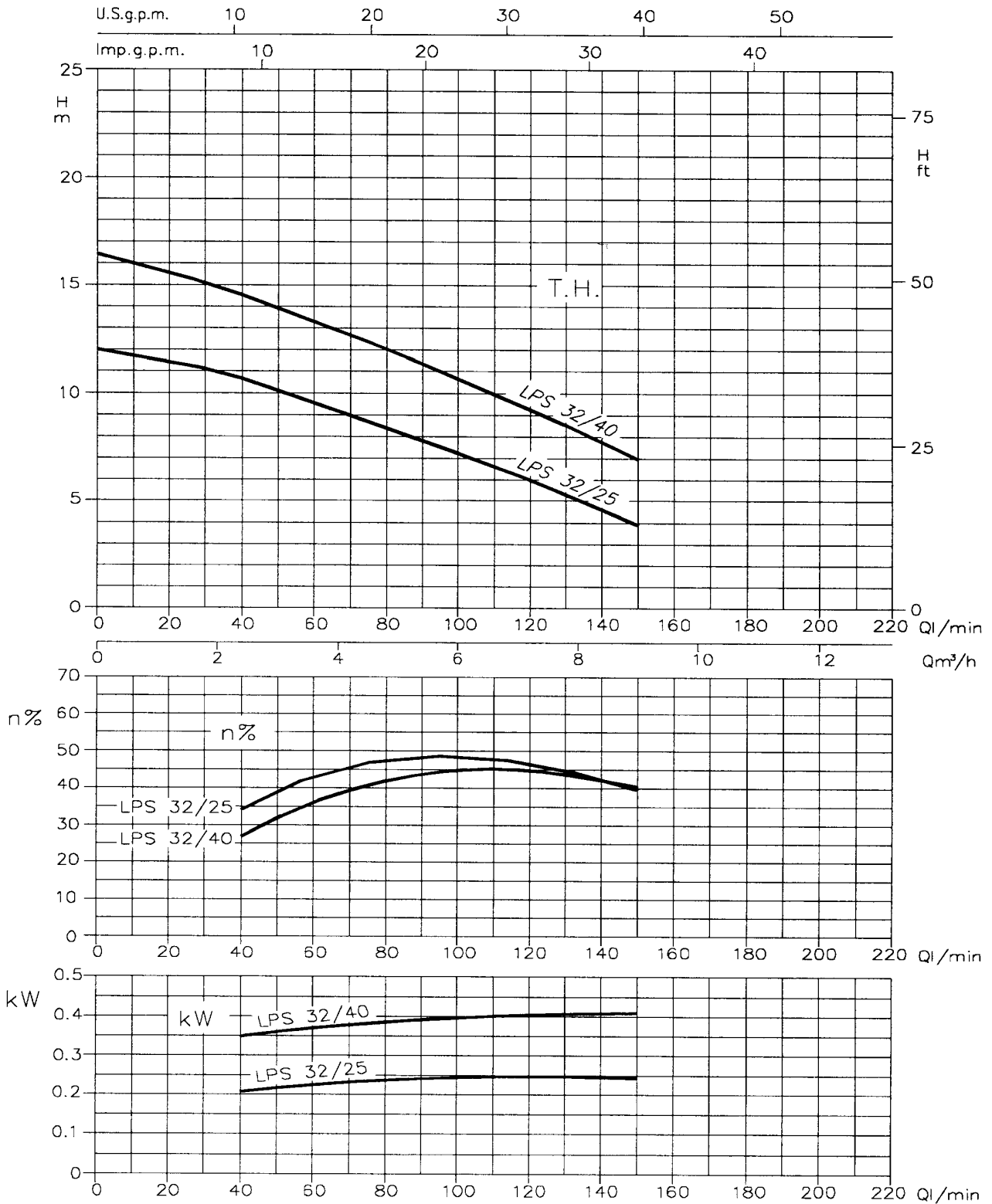
PERFORMANCE CHART (according to ISO 9906 Annex A)

PERFORMANCE TABLE

| Pump type | | kW | Capacitor | | Absorbed Current (A) | | | l/min m³/h | Q=Capacity | | | | | | | | | | | |
|---------------------------|------------------------------|------|-----------|----------------|----------------------|------|------------|---------------|------------|------|------|------|------|------|------|-----|------|-----|--|--|
| Single-phase 230V 50Hz | Three-phase 230/400V 50Hz | | µF | V _c | 1~ | 230V | 3~ 400V | | 20 | 40 | 70 | 100 | 120 | 150 | 200 | 250 | 320 | 400 | | |
| | | | | | | | | H=Total head | | | | | | | | | | | | |
| LPS 25/08 M | LPS 25/08 | 0,08 | 12,5 | 450 | 1,51 | 1,7 | 1,01 | 6,5 | 5 | 2,4 | - | - | - | - | - | - | - | | | |
| LPS 25/15 M | LPS 25/15 | 0,15 | 12,5 | 450 | 1,67 | 1,8 | 1,03 | 9,3 | 7,8 | 4,9 | - | - | - | - | - | - | - | | | |
| LPS 25/25 M | LPS 25/25 | 0,25 | 12,5 | 450 | 2,04 | 1,9 | 1,11 | 12,5 | 11,1 | 8,4 | - | - | - | - | - | - | - | | | |
| LPS 32/25 M | LPS 32/25 | 0,25 | 12,5 | 450 | 2,0 | 1,8 | 1,03 | - | 10,7 | 9,1 | 7,2 | 5,9 | 3,9 | - | - | - | - | | | |
| LPS 32/40 M | LPS 32/40 | 0,4 | 12,5 | 450 | 2,74 | 2,2 | 1,25 | - | 14,5 | 12,7 | 10,6 | 9,2 | 7 | - | - | - | - | | | |
| LPS 40/25 M | LPS 40/25 | 0,25 | 12,5 | 450 | 1,98 | 1,9 | 1,09 | - | - | 7,8 | 7,1 | 6,6 | 5,6 | 3,7 | - | - | - | | | |
| LPS 40/40 M | LPS 40/40 | 0,4 | 12,5 | 450 | 2,75 | 2,2 | 1,25 | - | - | 11,3 | 10,4 | 9,9 | 8,7 | 6,9 | 4,4 | - | - | | | |
| LPS 40/75 M | LPS 40/75 | 0,75 | 25 | 450 | 4,86 | 4,0 | 2,29 | - | - | 16,6 | 16 | 15,2 | 14,1 | 12,3 | 10,1 | - | - | | | |
| LPS 50/40 M | LPS 50/40 | 0,4 | 12,5 | 450 | 2,74 | 2,2 | 1,25 | - | - | - | - | 9,1 | 8,8 | 7,4 | 5,9 | 3,5 | - | | | |
| LPS 50/75 M | LPS 50/75 | 0,75 | 25 | 450 | 4,9 | 3,9 | 2,26 | - | - | - | - | 13,8 | 13,3 | 12,3 | 10,7 | 8,2 | 5 | | | |
| LPS 50/150 M | LPS 50/150 | 1,5 | 35 | 450 | 8,07 | 5,7 | 3,31 | - | - | - | - | 19,8 | 19,3 | 18,7 | 17,8 | 16 | 13,7 | | | |

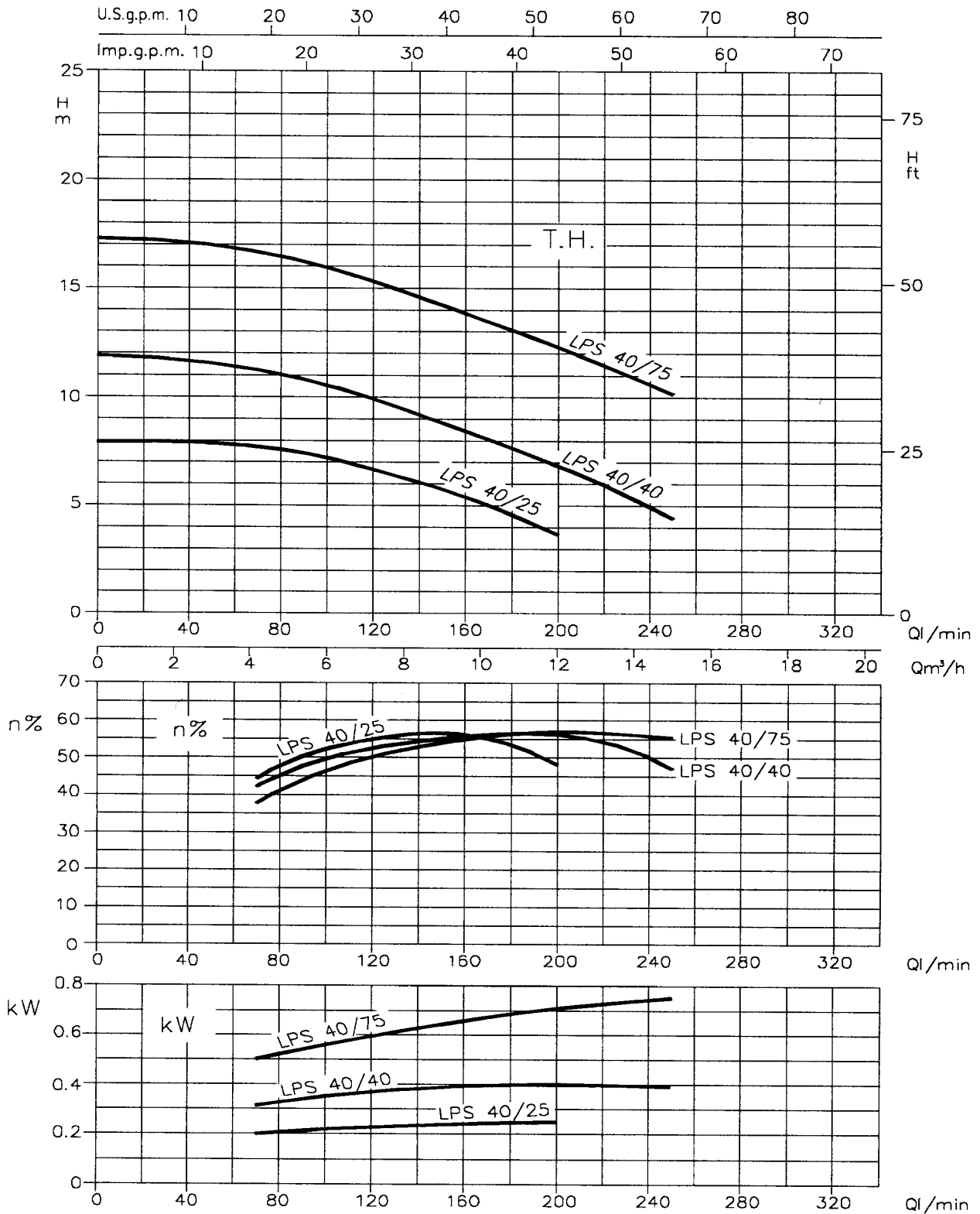
PERFORMANCE CURVES LPS 25 series (according to ISO 9906 Annex A)



PERFORMANCE CURVES LPS 32 series (according to ISO 9906 Annex A)



PERFORMANCE CURVES LPS 40 series (according to ISO 9906 Annex A)



PERFORMANCE CURVES LPS 50 series (according to ISO 9906 Annex A)

