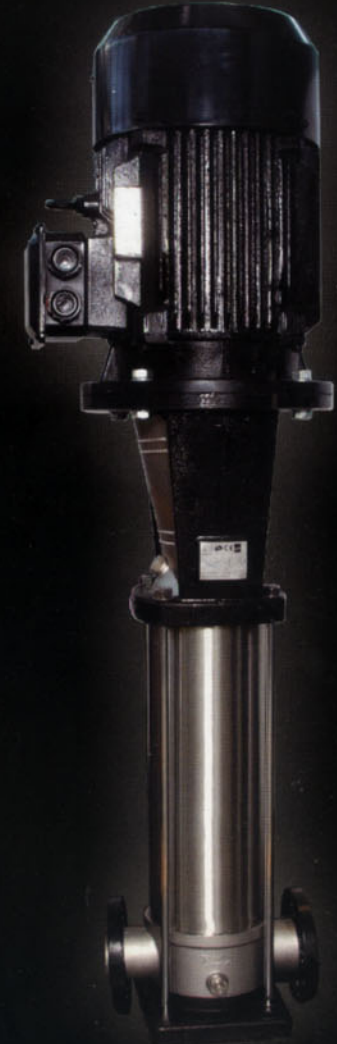


Vertical Multistage Inline Pumps KSIL Series



KSIL Series

Constructional Features

Kirloskar Stainless Steel Inline (KSIL) pumps are vertical multistage centrifugal pumps. The in-line design enables installation of the pump in horizontal one-pipe systems. The suction and discharge ports are of the same dimension and are in the same horizontal plane. This arrangement ensures a compact pump design and calls for simpler and less complicated piping systems. KSIL pumps come in a range of sizes and number of stages to provide the requisite flow and pressure for diverse applications. KSIL pumps are suitable for a variety of applications ranging from supply of domestic drinking water to pumping chemicals for industrial washing. The pumps are therefore used in a wide variety of pumping systems where the performance and material of the pump meet specific demands.

Special Features

Durable, light weight, low noise level, compact, aesthetical design, corrosion resistant, reliable sealing and ease of maintenance.

Energy efficient superior hydraulics design and ultra smooth hydraulic passages.

Parts and their Features

Suction and delivery casing – Inline suction and discharge casing ensures easy installation and simple piping layout with negligible effect of outside nozzle forces/movements.

Impeller – Pressed stainless steel, enclosed radial flow impeller having ultra smooth hydraulic passages resulting in higher efficiency. Impellers have superior suction eye design ensuring lower NPSH.

Outer casing cover – Pressurized water between diffuser and outer casing dampens the noise almost completely, ensuring near-silent operation.

Shaft – High tensile stainless steel shaft. The shaft is sealed with mechanical seal.

Coupling - Iron based powder metallurgy.

Flanges – Flanges are in DIN standard. DIN round flange – KSIL1, KSIL3, KSIL5, KSIL10, KSIL15, KSIL 20.

Motor - Totally Enclosed Fan Cooled (TEFC), 2-pole asynchronous motor with ingress protection class: IP 55.

Applications

KSIL series vertical multistage centrifugal pumps are widely used to transfer those liquids that are low-viscosity, non-inflammable and non-explosive and contain no solid particles or fibers. Our vertical multistage centrifugal pumps are increasingly used in the following areas:

Water supply: Filtration and transfer at waterworks, Distribution from waterworks, Pressure boosting in mains, Pressure boosting in high-rise buildings, hotels, etc.

Industrial pressure boosting: Process water systems, coolant circulation, washing and cleaning systems, vehicle washing tunnels.

Liquid transfer: Cooling and air-conditioning systems (refrigerants), boiler feed and condensate systems, machine tools (cooling lubricants), oils and alcohols, glycol and coolants.

Water treatment: Ultra-filtration systems, reverse osmosis(RO) systems, softening, ion exchange, demineralizing(DM) systems, distillation systems, separators, swimming pools.

Building industry – Booster, fire fighting, hydro-pneumatic(HYPN) systems, heating, ventilation and air conditioning (HVAC) systems.

Small capacity power plant - Boiler feed and condensate transfer.

Irrigation: Field irrigation (flooding), sprinkler irrigation, drip-feed irrigation.

Dairy, Food processing and Beverage industries: Supply of clean water.

Operating Conditions of Vertical Multistage Centrifugal Inline Pumps

Pumped liquid must not react with the pump materials. When liquids to be pumped have a higher density or viscosity than that of water, a higher-power motor should be used.

Liquid temperature : -20°C to +120°C

Flow ranges : 0.4 ~ 28m³/h

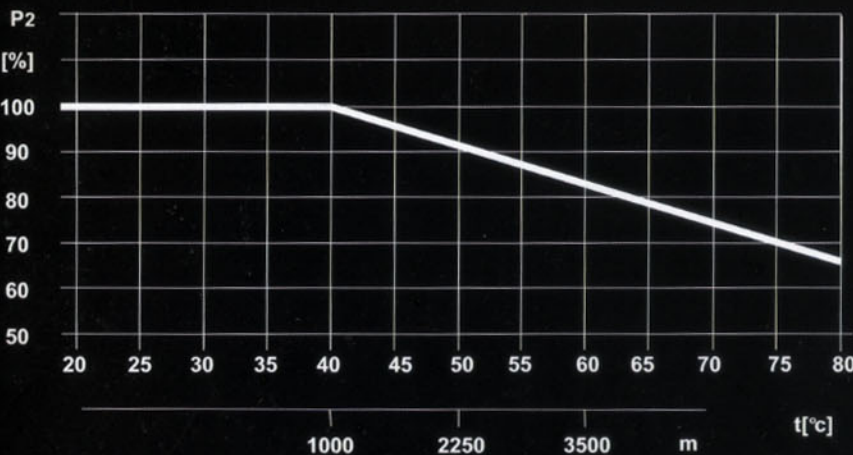
pH : 4.5 ~ 9

Maximum ambient temperature : +40°C

Maximum operating pressure : 25 bar

Altitude : up to 1000 metres

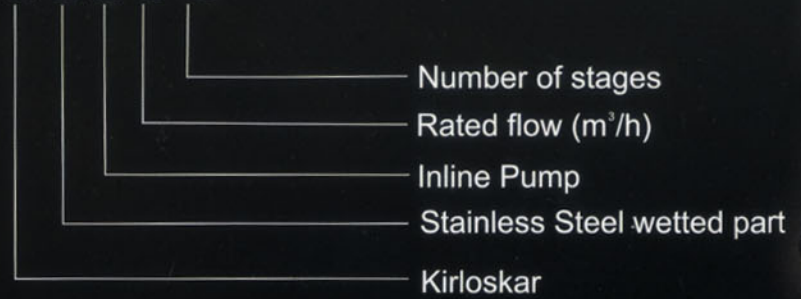
(At higher altitudes or higher ambient temperatures the motor output (P2) reduces because of lower air densities and poor cooling effects).



For example, when the pump is operated at an altitude of 3500 m, the motor output (P2) drops to 88% of the normal performance. Or when the pump is operated at an ambient temperature of 70° Celsius the pump output (P2) drops to 76%.

PUMP NOMENCLATURE

K S IL 3-10



Maximum Operating Pressure

| Models | Maximum Operating Pressure |
|---------|----------------------------|
| KSIL 1 | 25 bar |
| KSIL 3 | 25 bar |
| KSIL 5 | 25 bar |
| KSIL 10 | 25 bar |
| KSIL 15 | 25 bar |
| KSIL 20 | 25 bar |

Maximum Inlet Pressure

| Series | Models | Maximum Inlet Pressure |
|---------|------------------------|------------------------|
| KSIL 1 | KSIL 1-2 → KSIL 1-36 | 10 bar |
| | KSIL 3-2 → KSIL 3-29 | 10 bar |
| KSIL 3 | KSIL 3-31 → KSIL 3-36 | 15 bar |
| | KSIL 5-2 → KSIL 5-16 | 10 bar |
| KSIL 5 | KSIL 5-18 → KSIL 5-36 | 15 bar |
| | KSIL 10-1 → KSIL 10-6 | 8 bar |
| KSIL 10 | KSIL 10-7 → KSIL 10-22 | 10 bar |
| | KSIL 15-1 → KSIL 15-3 | 8 bar |
| KSIL 15 | KSIL 15-4 → KSIL 15-17 | 10 bar |
| | KSIL 20-1 → KSIL 20-3 | 8 bar |
| KSIL 20 | KSIL 20-4 → KSIL 20-17 | 10 bar |

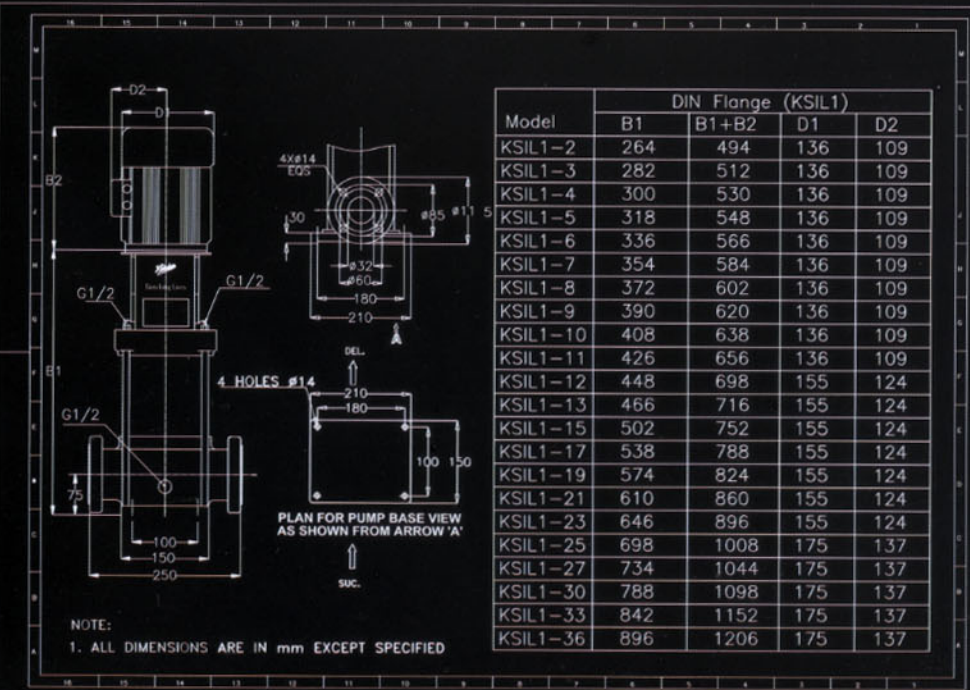
KSIL 1 SERIES

Performance Tables

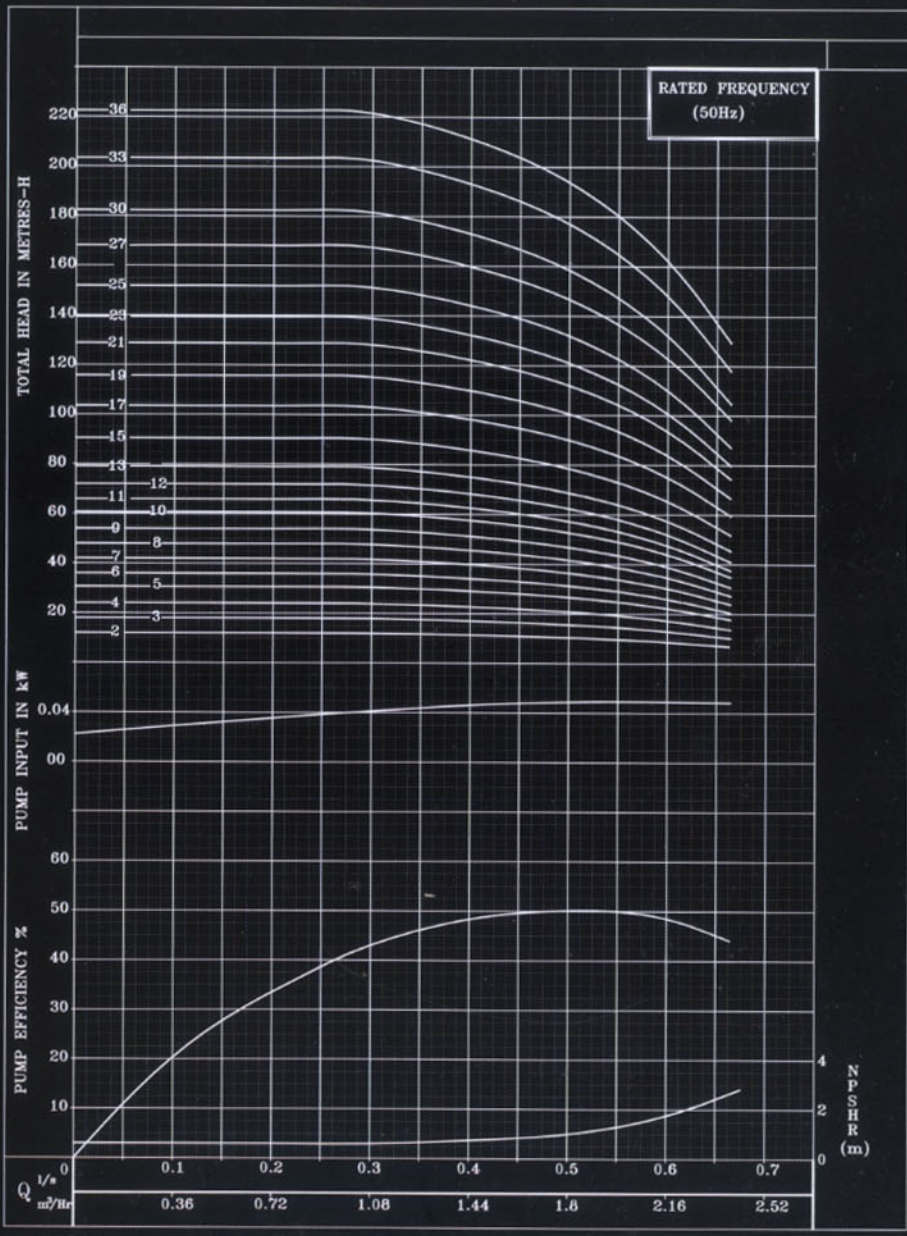
All pump performance data at rated voltage of 415 volts, 3-phase, 50 Hz with 2-pole motor

| PUMP MODEL | MODEL RATING | | PIPE SIZE (mm) | | DISCHARGE IN M ³ /hr | | | | | | | | | | | | | | |
|------------|--------------|------|----------------|------|---------------------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|--|--|--|--|
| | Stages | (kW) | HP | SUC. | DEL. | 0.4 | 0.6 | 0.8 | 1 | 1.2 | 1.4 | 1.6 | 1.8 | 2 | | | | | |
| | | | | | | DISCHARGE IN LPM | | | | | | | | | | | | | |
| | | | | | | 7 | 10 | 13 | 17 | 20 | 23 | 27 | 30 | 33 | | | | | |
| | | | | | | TOTAL HEAD IN METERS | | | | | | | | | | | | | |
| KSIL1-2 | 2 | 0.37 | 0.5 | 32 | 32 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 10 | 10 | | | | | |
| KSIL1-3 | 3 | 0.37 | 0.5 | 32 | 32 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 16 | 15 | 14 | | | | |
| KSIL1-4 | 4 | 0.37 | 0.5 | 32 | 32 | 24 | 24 | 24 | 23 | 22 | 22 | 21 | 19 | 18 | | | | | |
| KSIL1-5 | 5 | 0.37 | 0.5 | 32 | 32 | 30 | 30 | 30 | 29 | 28 | 27 | 26 | 24 | 22 | | | | | |
| KSIL1-6 | 6 | 0.37 | 0.5 | 32 | 32 | 36 | 36 | 35 | 35 | 34 | 32 | 30 | 28 | 25 | | | | | |
| KSIL1-7 | 7 | 0.37 | 0.5 | 32 | 32 | 42 | 42 | 41 | 41 | 39 | 37 | 35 | 32 | 30 | | | | | |
| KSIL1-8 | 8 | 0.55 | 0.75 | 32 | 32 | 48 | 48 | 47 | 46 | 45 | 43 | 40 | 37 | 34 | | | | | |
| KSIL1-9 | 9 | 0.55 | 0.75 | 32 | 32 | 54 | 54 | 53 | 52 | 50 | 48 | 45 | 41 | 37 | | | | | |
| KSIL1-10 | 10 | 0.55 | 0.75 | 32 | 32 | 60 | 59 | 58 | 57 | 55 | 53 | 50 | 46 | 41 | | | | | |
| KSIL1-11 | 11 | 0.55 | 0.75 | 32 | 32 | 65 | 65 | 64 | 62 | 61 | 58 | 54 | 50 | 45 | | | | | |
| KSIL1-12 | 12 | 0.75 | 1.0 | 32 | 32 | 73 | 72 | 71 | 69 | 67 | 64 | 61 | 56 | 50 | | | | | |
| KSIL1-13 | 13 | 0.75 | 1.0 | 32 | 32 | 78 | 78 | 77 | 75 | 73 | 69 | 65 | 60 | 54 | | | | | |
| KSIL1-15 | 15 | 0.75 | 1.0 | 32 | 32 | 90 | 90 | 88 | 86 | 83 | 79 | 74 | 68 | 61 | | | | | |
| KSIL1-17 | 17 | 1.1 | 1.5 | 32 | 32 | 103 | 102 | 101 | 99 | 95 | 91 | 85 | 79 | 70 | | | | | |
| KSIL1-19 | 19 | 1.1 | 1.5 | 32 | 32 | 115 | 114 | 112 | 109 | 106 | 101 | 94 | 87 | 78 | | | | | |
| KSIL1-21 | 21 | 1.1 | 1.5 | 32 | 32 | 126 | 125 | 123 | 120 | 116 | 110 | 103 | 95 | 85 | | | | | |
| KSIL1-23 | 23 | 1.1 | 1.5 | 32 | 32 | 137 | 136 | 134 | 131 | 126 | 120 | 112 | 103 | 92 | | | | | |
| KSIL1-25 | 25 | 1.5 | 2.0 | 32 | 32 | 153 | 152 | 150 | 147 | 142 | 136 | 128 | 118 | 106 | | | | | |
| KSIL1-27 | 27 | 1.5 | 2.0 | 32 | 32 | 165 | 164 | 162 | 158 | 153 | 146 | 137 | 127 | 114 | | | | | |
| KSIL1-30 | 30 | 1.5 | 2.0 | 32 | 32 | 182 | 181 | 178 | 175 | 169 | 162 | 152 | 140 | 126 | | | | | |
| KSIL1-33 | 33 | 2.2 | 3.0 | 32 | 32 | 203 | 202 | 199 | 195 | 189 | 181 | 170 | 157 | 142 | | | | | |
| KSIL1-36 | 36 | 2.2 | 3.0 | 32 | 32 | 221 | 220 | 217 | 212 | 206 | 197 | 185 | 171 | 154 | | | | | |

Outline Drawing of KSIL 1



KSIL 1 SERIES PERFORMANCE CURVE



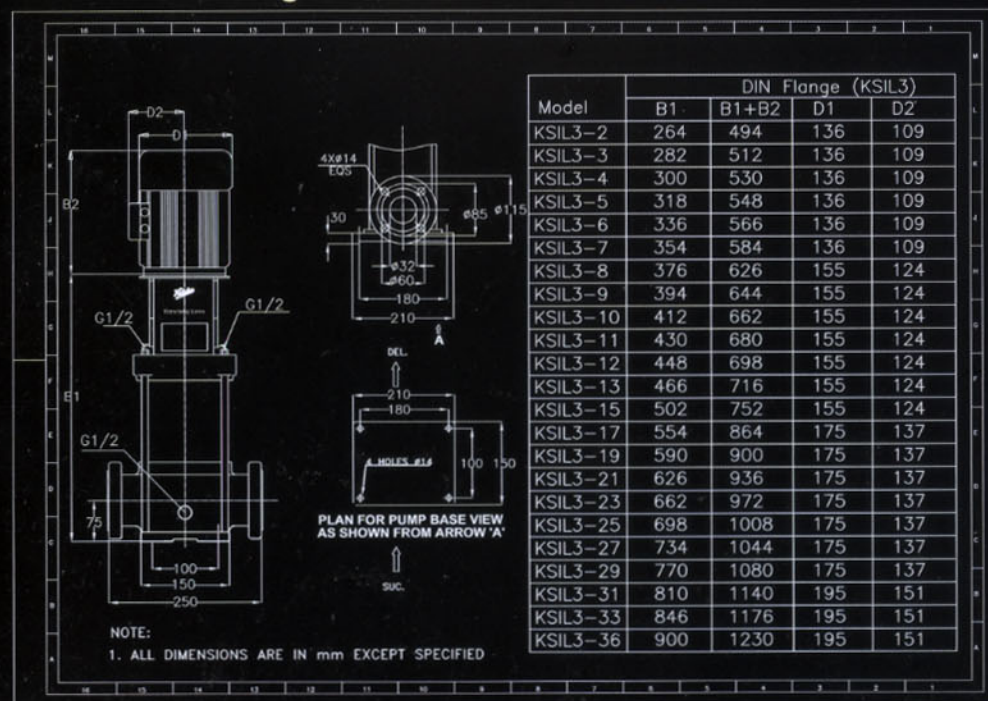
Note: POWER CURVE INDICATE PUMP INPUT PER STAGE AND PUMP EFFICIENCY CURVE IS AVERAGE CURVE OF ALL THE PUMP
 This curve relates to the liquid of S.G. - 1 and viscosity as water

KSIL3 SERIES Performance Tables

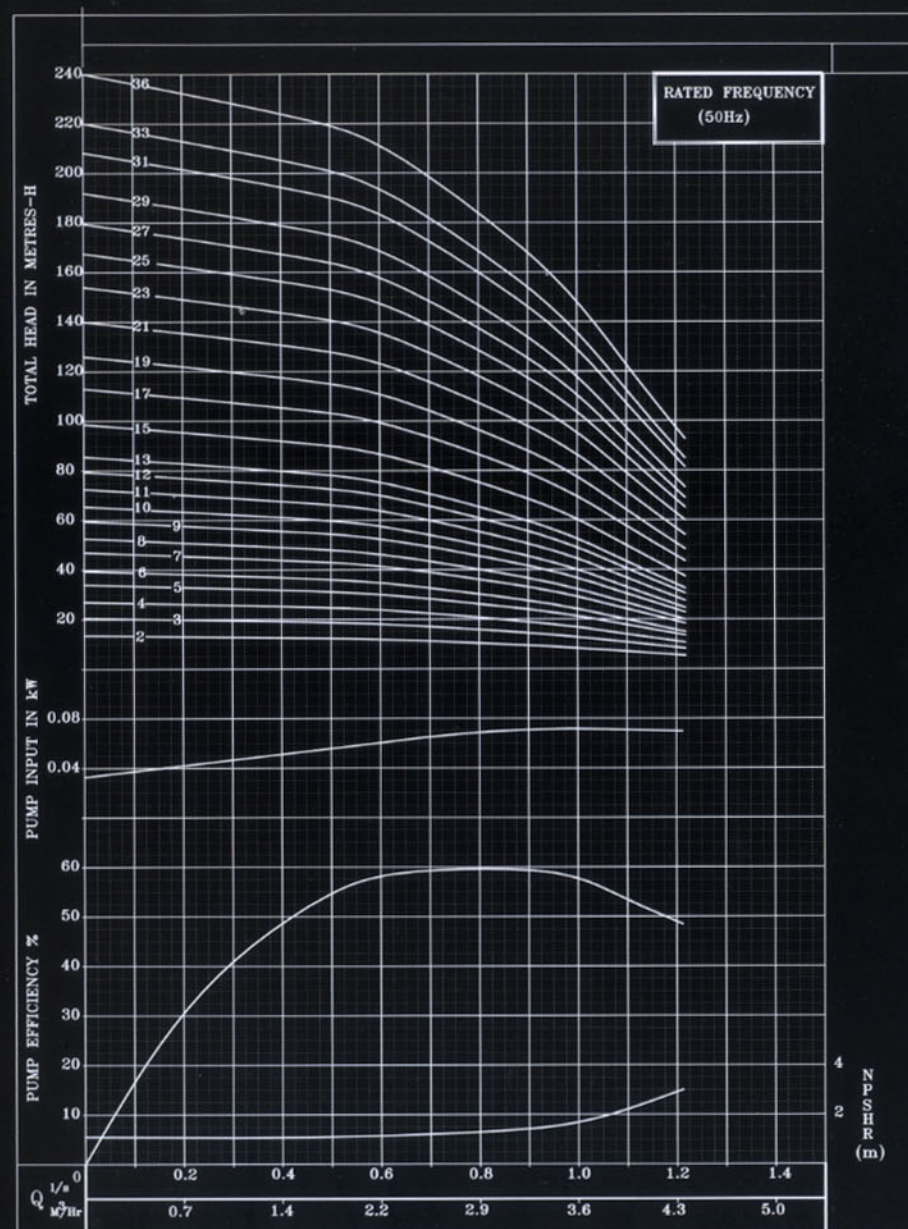
All pump performance data at rated voltage of 415 volts, 3-phase, 50 Hz with 2-pole motor

| PUMP MODEL | Stages | MODEL RATING | | PIPE SIZE (mm) | | DISCHARGE IN M ³ /hr | | | | | | | | | | |
|----------------------|--------|--------------|------|----------------|------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| | | (kW) | HP | SUC. | DEL. | 1.2 | 1.6 | 2 | 2.4 | 2.8 | 3.2 | 3.6 | 4 | | | |
| | | | | | | DISCHARGE IN LPM | | | | | | | | | | |
| | | | | | | 20 | 27 | 33 | 40 | 47 | 53 | 60 | 67 | | | |
| TOTAL HEAD IN METERS | | | | | | | | | | | | | | | | |
| KSIL3-2 | 2 | 0.37 | 0.5 | 32 | 32 | 13 | 12 | 12 | 11 | 11 | 10 | 8 | 8 | | | |
| KSIL3-3 | 3 | 0.37 | 0.5 | 32 | 32 | 19 | 19 | 18 | 17 | 16 | 15 | 14 | 12 | | | |
| KSIL3-4 | 4 | 0.37 | 0.5 | 32 | 32 | 25 | 24 | 23 | 22 | 20 | 17 | 17 | 14 | | | |
| KSIL3-5 | 5 | 0.37 | 0.5 | 32 | 32 | 31 | 31 | 29 | 27 | 25 | 22 | 20 | 17 | | | |
| KSIL3-6 | 6 | 0.55 | 0.75 | 32 | 32 | 37 | 36 | 35 | 33 | 30 | 28 | 24 | 21 | | | |
| KSIL3-7 | 7 | 0.55 | 0.75 | 32 | 32 | 43 | 40 | 40 | 37 | 35 | 31 | 28 | 24 | | | |
| KSIL3-8 | 8 | 0.75 | 1.0 | 32 | 32 | 51 | 48 | 47 | 44 | 41 | 37 | 33 | 28 | | | |
| KSIL3-9 | 9 | 0.75 | 1.0 | 32 | 32 | 56 | 54 | 51 | 48 | 45 | 40 | 36 | 30 | | | |
| KSIL3-10 | 10 | 0.75 | 1.0 | 32 | 32 | 62 | 60 | 57 | 54 | 50 | 45 | 40 | 33 | | | |
| KSIL3-11 | 11 | 1.1 | 1.5 | 32 | 32 | 69 | 66 | 63 | 60 | 56 | 50 | 44 | 38 | | | |
| KSIL3-12 | 12 | 1.1 | 1.5 | 32 | 32 | 75 | 72 | 69 | 65 | 61 | 55 | 48 | 41 | | | |
| KSIL3-13 | 13 | 1.1 | 1.5 | 32 | 32 | 80 | 78 | 74 | 70 | 65 | 58 | 51 | 44 | | | |
| KSIL3-15 | 15 | 1.1 | 1.5 | 32 | 32 | 92 | 89 | 85 | 80 | 73 | 66 | 58 | 49 | | | |
| KSIL3-17 | 17 | 1.5 | 2.0 | 32 | 32 | 107 | 104 | 100 | 94 | 87 | 79 | 70 | 59 | | | |
| KSIL3-19 | 19 | 1.5 | 2.0 | 32 | 32 | 119 | 116 | 111 | 104 | 97 | 88 | 77 | 65 | | | |
| KSIL3-21 | 21 | 2.2 | 3.0 | 32 | 32 | 133 | 129 | 124 | 117 | 109 | 99 | 88 | 75 | | | |
| KSIL3-23 | 23 | 2.2 | 3.0 | 32 | 32 | 146 | 141 | 135 | 128 | 119 | 108 | 95 | 81 | | | |
| KSIL3-25 | 25 | 2.2 | 3.0 | 32 | 32 | 158 | 153 | 146 | 138 | 128 | 117 | 102 | 87 | | | |
| KSIL3-27 | 27 | 2.2 | 3.0 | 32 | 32 | 170 | 164 | 157 | 148 | 138 | 125 | 110 | 93 | | | |
| KSIL3-29 | 29 | 2.2 | 3.0 | 32 | 32 | 182 | 176 | 168 | 159 | 147 | 133 | 118 | 100 | | | |
| KSIL3-31 | 31 | 3 | 4.0 | 32 | 32 | 197 | 191 | 183 | 173 | 161 | 146 | 138 | 110 | | | |
| KSIL3-33 | 33 | 3 | 4.0 | 32 | 32 | 210 | 203 | 194 | 194 | 170 | 155 | 137 | 116 | | | |
| KSIL3-36 | 36 | 3 | 4.0 | 32 | 32 | 228 | 221 | 211 | 200 | 185 | 168 | 149 | 126 | | | |

Outline Drawing of KSIL3



KSIL 3 SERIES PERFORMANCE CURVE



Note: POWER CURVE INDICATE PUMP INPUT PER STAGE AND PUMP EFFICIENCY CURVE IS AVERAGE CURVE OF ALL THE PUMP

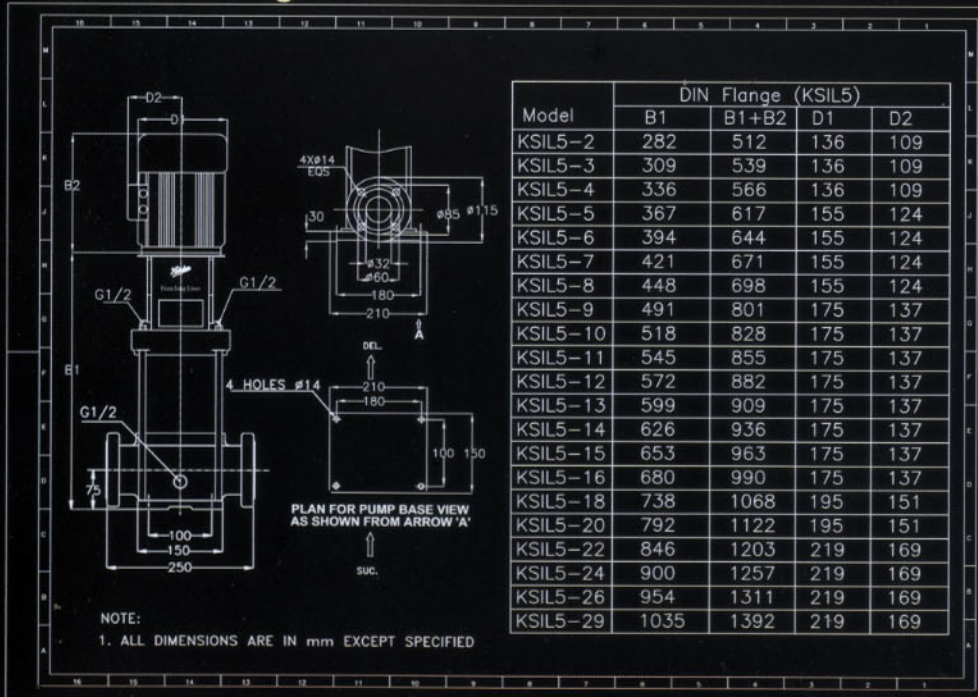
This curve relates to the liquid of S.G. - 1 and viscosity as water

KSIL5 SERIES Performance Tables

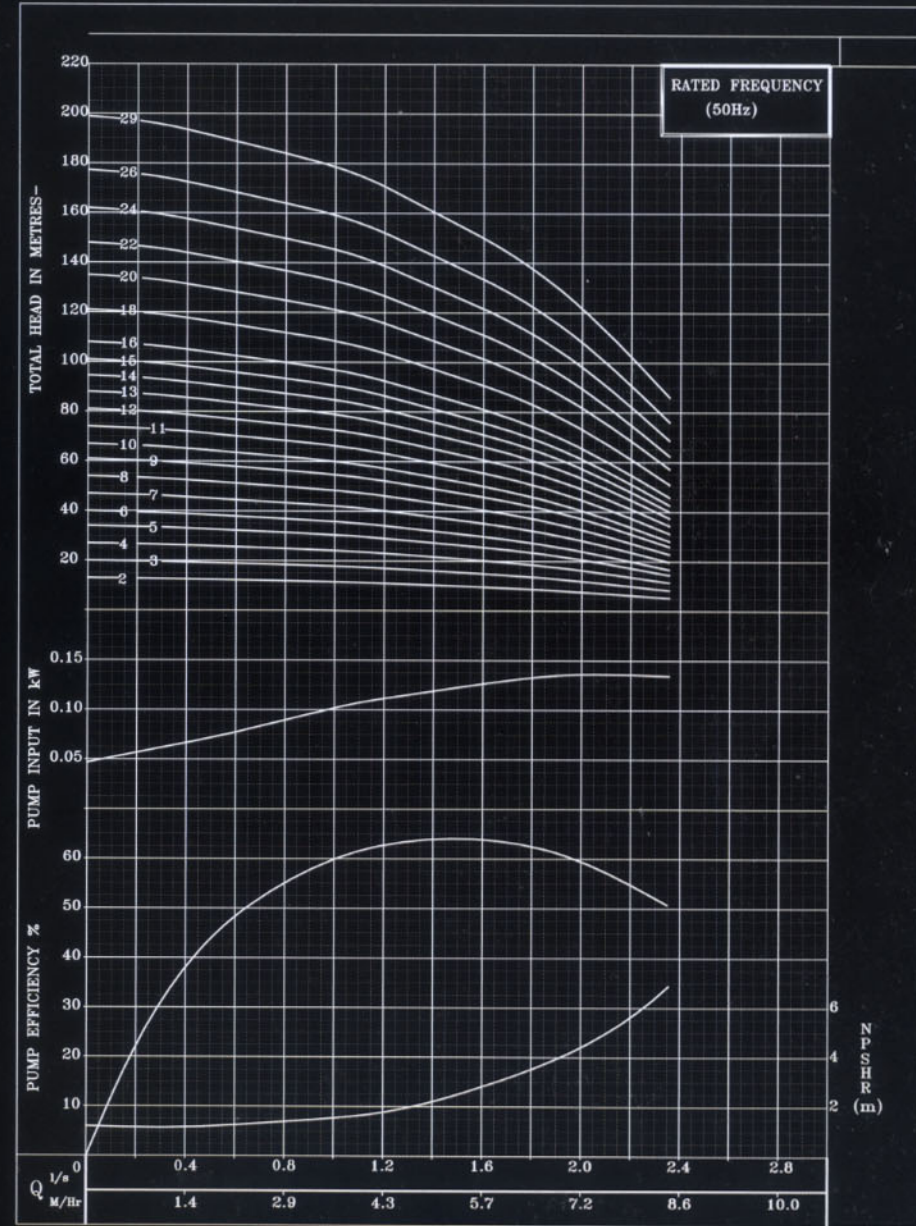
All pump performance data at rated voltage of 415 volts, 3-phase, 50 Hz with 2-pole motor

| PUMP MODEL | MODEL RATING | | PIPE SIZE (mm) | | DISCHARGE IN M ³ /hr | | | | | | | |
|----------------------|--------------|------|----------------|------|---------------------------------|------------------|-----|-----|-----|-----|-----|-----|
| | Stages | (kW) | HP | SUC. | DEL. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | DISCHARGE IN LPM | | | | | | |
| | | | | | | 17 | 33 | 50 | 67 | 83 | 100 | 117 |
| TOTAL HEAD IN METERS | | | | | | | | | | | | |
| KSIL5-2 | 2 | 0.37 | 0.5 | 32 | 32 | 13 | 12 | 12 | 10 | 9 | 7 | 6 |
| KSIL5-3 | 3 | 0.55 | 0.75 | 32 | 32 | 19 | 19 | 18 | 16 | 14 | 12 | 10 |
| KSIL5-4 | 4 | 0.55 | 0.75 | 32 | 32 | 26 | 25 | 24 | 22 | 19 | 16 | 14 |
| KSIL5-5 | 5 | 0.75 | 1 | 32 | 32 | 33 | 32 | 30 | 28 | 22 | 22 | 18 |
| KSIL5-6 | 6 | 1.1 | 1.5 | 32 | 32 | 40 | 38 | 37 | 34 | 31 | 27 | 23 |
| KSIL5-7 | 7 | 1.1 | 1.5 | 32 | 32 | 46 | 45 | 42 | 40 | 36 | 32 | 27 |
| KSIL5-8 | 8 | 1.1 | 1.5 | 32 | 32 | 53 | 51 | 48 | 45 | 41 | 36 | 31 |
| KSIL5-9 | 9 | 1.5 | 2 | 32 | 32 | 60 | 59 | 56 | 53 | 48 | 44 | 37 |
| KSIL5-10 | 10 | 1.5 | 2 | 32 | 32 | 67 | 65 | 62 | 59 | 54 | 48 | 41 |
| KSIL5-11 | 11 | 2.2 | 3 | 32 | 32 | 74 | 73 | 70 | 66 | 61 | 54 | 47 |
| KSIL5-12 | 12 | 2.2 | 3 | 32 | 32 | 81 | 79 | 76 | 72 | 66 | 59 | 51 |
| KSIL5-13 | 13 | 2.2 | 3 | 32 | 32 | 88 | 85 | 82 | 78 | 71 | 64 | 55 |
| KSIL5-14 | 14 | 2.2 | 3 | 32 | 32 | 95 | 92 | 89 | 83 | 77 | 69 | 60 |
| KSIL5-15 | 15 | 2.2 | 3 | 32 | 32 | 101 | 99 | 95 | 89 | 82 | 74 | 63 |
| KSIL5-16 | 16 | 2.2 | 3 | 32 | 32 | 108 | 105 | 101 | 95 | 87 | 78 | 68 |
| KSIL5-18 | 18 | 3 | 4 | 32 | 32 | 122 | 119 | 115 | 109 | 100 | 90 | 78 |
| KSIL5-20 | 20 | 3 | 4 | 32 | 32 | 135 | 132 | 127 | 120 | 111 | 100 | 87 |
| KSIL5-22 | 22 | 4 | 5.5 | 32 | 32 | 150 | 147 | 142 | 134 | 124 | 112 | 97 |
| KSIL5-24 | 24 | 4 | 5.5 | 32 | 32 | 163 | 160 | 154 | 146 | 135 | 122 | 106 |
| KSIL5-26 | 26 | 4 | 5.5 | 32 | 32 | 176 | 173 | 166 | 157 | 146 | 132 | 115 |
| KSIL5-29 | 29 | 4 | 5.5 | 32 | 32 | 198 | 194 | 188 | 178 | 165 | 149 | 131 |

Outline Drawing of KSIL5



KSIL 5 SERIES PERFORMANCE CURVE



Note:-POWER CURVE INDICATE PUMP INPUT PER STAGE AND PUMP EFFICIENCY CURVE IS AVERAGE CURVE OF ALL THE PUMP

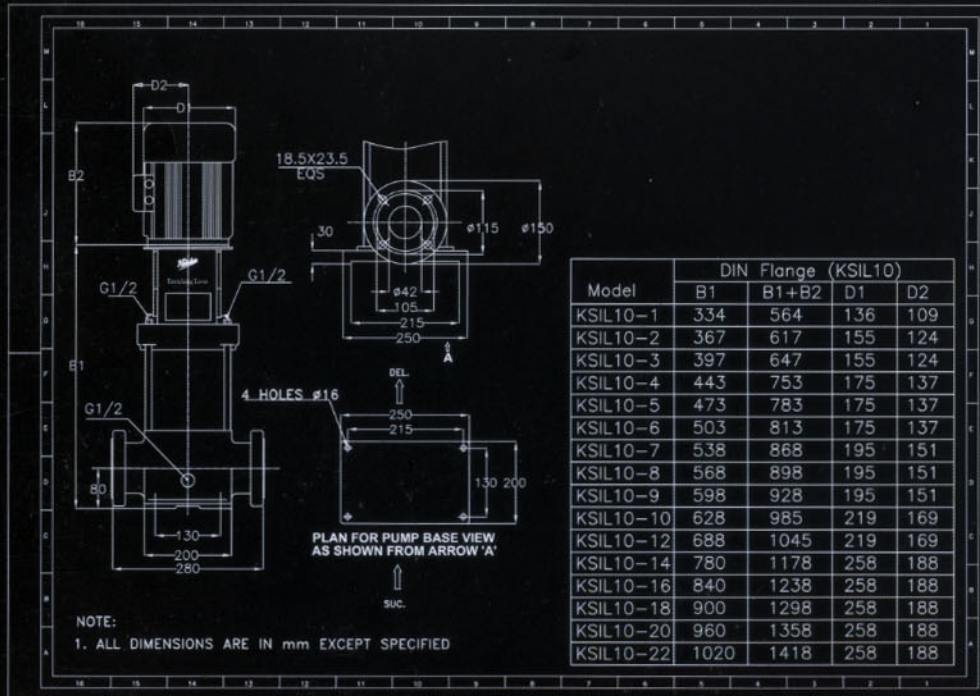
This curve relates to the liquid of S.G. - 1 and viscosity as water

KSIL 10 SERIES Performance Tables

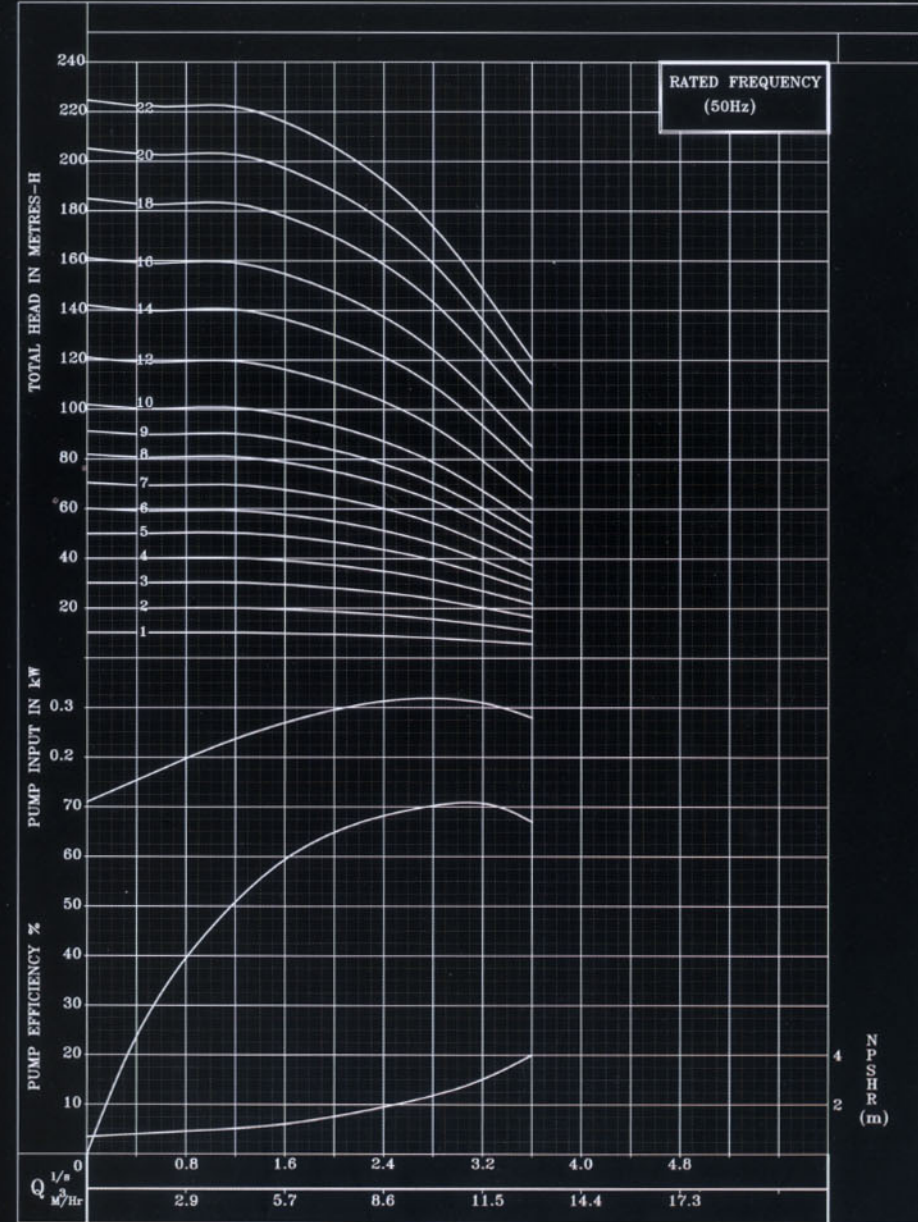
All pump performance data at rated voltage of 415 volts, 3-phase, 50 Hz with 2-pole motor

| PUMP MODEL | Stages | MODEL RATING | | PIPE SIZE (mm) | | DISCHARGE IN M ³ /hr | | | | | |
|----------------------|--------|--------------|-----|----------------|------|---------------------------------|-----|-----|-----|-----|-----|
| | | (kW) | HP | SUC. | DEL. | 2 | 4 | 6 | 8 | 10 | 12 |
| | | | | | | DISCHARGE IN LPM | | | | | |
| | | | | | | 33 | 67 | 100 | 133 | 167 | 200 |
| TOTAL HEAD IN METERS | | | | | | | | | | | |
| KSIL10-1 | 1 | 0.37 | 0.5 | 42 | 42 | 10 | 10 | 9 | 8 | 7 | 5 |
| KSIL10-2 | 2 | 0.75 | 1 | 42 | 42 | 20 | 20 | 19 | 18 | 15 | 12 |
| KSIL10-3 | 3 | 1.1 | 1.5 | 42 | 42 | 30 | 30 | 29 | 26 | 23 | 18 |
| KSIL10-4 | 4 | 1.5 | 2 | 42 | 42 | 40 | 40 | 40 | 36 | 32 | 26 |
| KSIL10-5 | 5 | 2.2 | 3 | 42 | 42 | 51 | 51 | 50 | 46 | 40 | 33 |
| KSIL10-6 | 6 | 2.2 | 3 | 42 | 42 | 61 | 61 | 59 | 55 | 48 | 39 |
| KSIL10-7 | 7 | 3.0 | 4 | 42 | 42 | 72 | 72 | 70 | 65 | 57 | 46 |
| KSIL10-8 | 8 | 3.0 | 4 | 42 | 42 | 82 | 82 | 80 | 74 | 65 | 53 |
| KSIL10-9 | 9 | 3.0 | 4 | 42 | 42 | 92 | 92 | 89 | 82 | 72 | 59 |
| KSIL10-10 | 10 | 4.0 | 5.5 | 42 | 42 | 102 | 102 | 100 | 93 | 81 | 66 |
| KSIL10-12 | 12 | 4.0 | 5.5 | 42 | 42 | 122 | 122 | 119 | 110 | 97 | 79 |
| KSIL10-14 | 14 | 5.5 | 7.5 | 42 | 42 | 143 | 144 | 140 | 130 | 114 | 94 |
| KSIL10-16 | 16 | 5.5 | 7.5 | 42 | 42 | 163 | 163 | 159 | 148 | 129 | 106 |
| KSIL10-18 | 18 | 7.5 | 10 | 42 | 42 | 185 | 186 | 182 | 169 | 149 | 123 |
| KSIL10-20 | 20 | 7.5 | 10 | 42 | 42 | 206 | 204 | 201 | 188 | 165 | 136 |
| KSIL10-22 | 22 | 7.5 | 10 | 42 | 42 | 226 | 226 | 221 | 206 | 181 | 147 |

Outline Drawing of KSIL 10



KSIL 10 SERIES PERFORMANCE CURVE



Note: POWER CURVE INDICATE PUMP INPUT PER STAGE AND PUMP EFFICIENCY CURVE IS AVERAGE CURVE OF ALL THE PUMP

This curve relates to the liquid of S.G. - 1 and viscosity as water

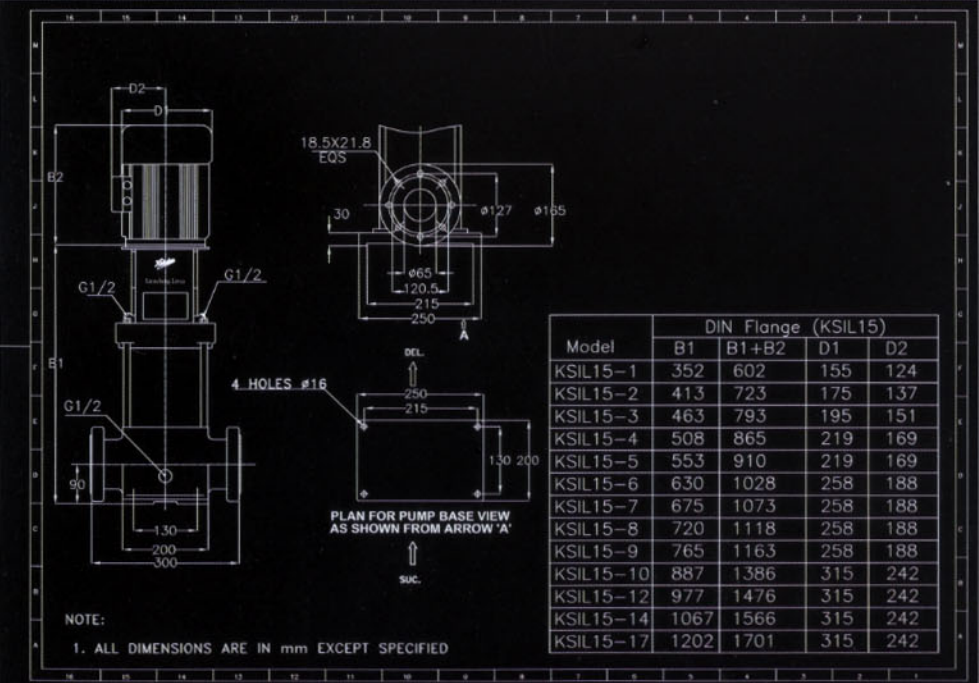
KSIL 15 SERIES

Performance Tables

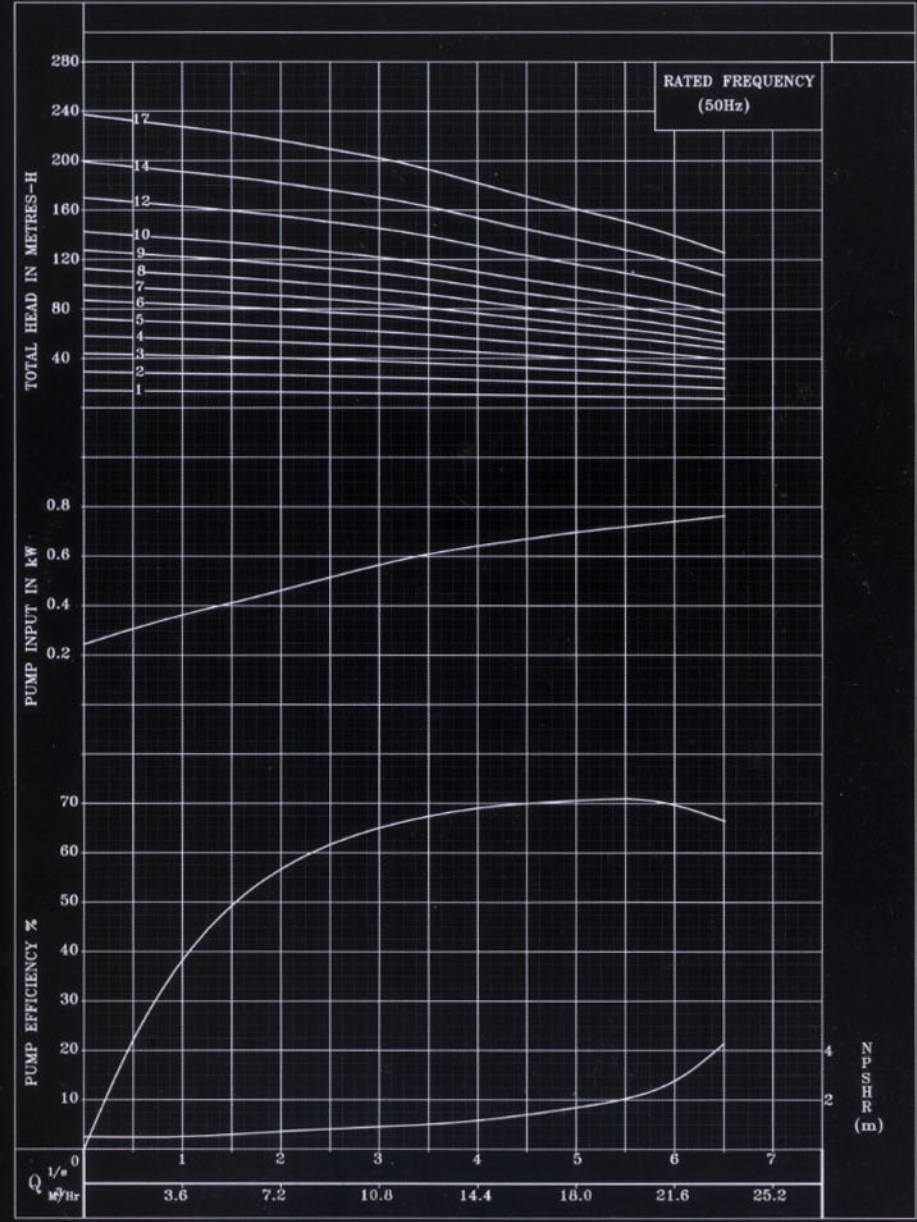
All pump performance data at rated voltage of 415 volts, 3-phase, 50 Hz with 2-pole motor

| PUMP MODEL | Stages | MODEL RATING | | PIPE SIZE (mm) | | DISCHARGE IN M ³ /Hr | | | | | | |
|----------------------|--------|--------------|-----|----------------|------|---------------------------------|-----|-----|-----|-----|-----|-----|
| | | (kW) | HP | SUC. | DEL. | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| | | | | | | DISCHARGE IN LPM | | | | | | |
| | | | | | | 50 | 100 | 150 | 200 | 250 | 300 | 350 |
| TOTAL HEAD IN METERS | | | | | | | | | | | | |
| KSIL15-1 | 1 | 1.1 | 1.5 | 65 | 65 | 15 | 13 | 13 | 12 | 11 | 10 | 9 |
| KSIL15-2 | 2 | 2.2 | 3 | 65 | 65 | 28 | 27 | 26 | 25 | 23 | 21 | 18 |
| KSIL15-3 | 3 | 3 | 4 | 65 | 65 | 42 | 41 | 40 | 38 | 36 | 32 | 28 |
| KSIL15-4 | 4 | 4 | 5.5 | 65 | 65 | 58 | 55 | 55 | 51 | 48 | 43 | 38 |
| KSIL15-5 | 5 | 4 | 5.5 | 65 | 65 | 70 | 68 | 66 | 64 | 60 | 53 | 48 |
| KSIL15-6 | 6 | 5.5 | 7.5 | 65 | 65 | 83 | 82 | 80 | 77 | 72 | 64 | 58 |
| KSIL15-7 | 7 | 5.5 | 7.5 | 65 | 65 | 98 | 96 | 94 | 89 | 84 | 75 | 65 |
| KSIL15-8 | 8 | 7.5 | 10 | 65 | 65 | 112 | 110 | 108 | 103 | 97 | 86 | 75 |
| KSIL15-9 | 9 | 7.5 | 10 | 65 | 65 | 125 | 123 | 120 | 115 | 108 | 97 | 84 |
| KSIL15-10 | 10 | 11 | 15 | 65 | 65 | 140 | 138 | 136 | 129 | 120 | 109 | 95 |
| KSIL15-12 | 12 | 11 | 15 | 65 | 65 | 168 | 165 | 162 | 155 | 145 | 130 | 114 |
| KSIL15-14 | 14 | 11 | 15 | 65 | 65 | 194 | 192 | 188 | 180 | 168 | 151 | 130 |
| KSIL15-17 | 17 | 15 | 20 | 65 | 65 | 237 | 234 | 230 | 219 | 208 | 185 | 160 |

Outline Drawing of KSIL 15



KSIL 15 SERIES PERFORMANCE CURVE



Note:-POWER CURVE INDICATE PUMP INPUT PER STAGE AND PUMP EFFICIENCY CURVE IS AVERAGE CURVE OF ALL THE PUMP

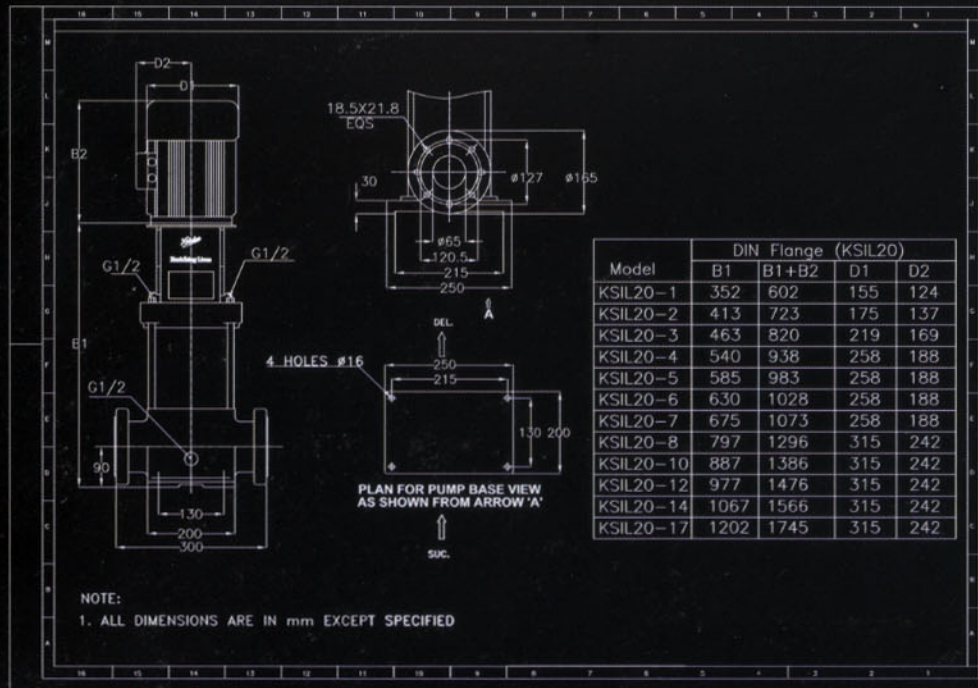
This curve relates to the liquid of S.G. - 1 and viscosity as water

KSIL20 SERIES Performance Tables

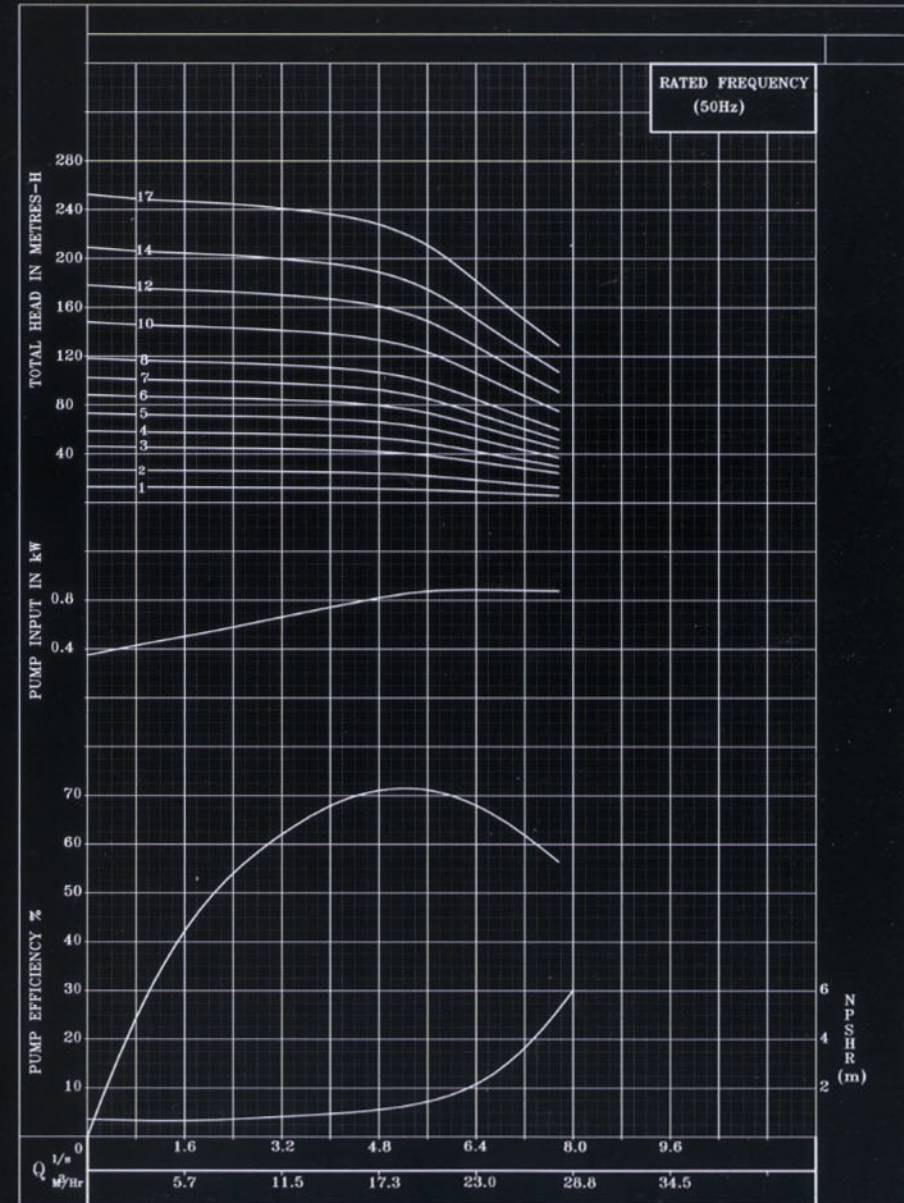
All pump performance data at rated voltage of 415 volts, 3-phase, 50 Hz with 2-pole motor

| PUMP MODEL | Stages | MODEL RATING | | PIPE SIZE (mm) | | DISCHARGE IN M ³ /Hr | | | | | | |
|----------------------|--------|--------------|-----|----------------|------|---------------------------------|-----|-----|-----|-----|-----|-----|
| | | (kW) | HP | SUC. | DEL. | 4 | 8 | 12 | 16 | 20 | 24 | 28 |
| | | | | | | DISCHARGE IN LPM | | | | | | |
| | | | | | | 67 | 133 | 200 | 267 | 333 | 400 | 467 |
| TOTAL HEAD IN METERS | | | | | | | | | | | | |
| KSIL20-1 | 1 | 1.1 | 1.5 | 65 | 65 | 13 | 13 | 13 | 12 | 11 | 9 | 6.5 |
| KSIL20-2 | 2 | 2.2 | 3 | 65 | 65 | 28 | 28 | 27 | 25 | 23 | 19 | 15 |
| KSIL20-3 | 3 | 4.0 | 5 | 65 | 65 | 43 | 43 | 42 | 39 | 36 | 30 | 23 |
| KSIL20-4 | 4 | 5.5 | 7.5 | 65 | 65 | 58 | 57 | 56 | 53 | 48 | 41 | 32 |
| KSIL20-5 | 5 | 5.5 | 7.5 | 65 | 65 | 73 | 72 | 70 | 66 | 59 | 52 | 40 |
| KSIL20-6 | 6 | 7.5 | 10 | 65 | 65 | 87 | 83 | 84 | 80 | 73 | 62 | 49 |
| KSIL20-7 | 7 | 7.5 | 10 | 65 | 65 | 102 | 100 | 97 | 93 | 84 | 72 | 57 |
| KSIL20-8 | 8 | 11.0 | 15 | 65 | 65 | 117 | 116 | 113 | 107 | 98 | 85 | 67 |
| KSIL20-10 | 10 | 15.0 | 20 | 65 | 65 | 146 | 144 | 140 | 132 | 121 | 105 | 83 |
| KSIL20-12 | 11 | 15.0 | 20 | 65 | 65 | 175 | 174 | 169 | 161 | 147 | 127 | 101 |
| KSIL20-14 | 14 | 15.0 | 20 | 65 | 65 | 204 | 202 | 197 | 187 | 171 | 147 | 117 |
| KSIL20-17 | 17 | 18.5 | 25 | 65 | 65 | 249 | 247 | 241 | 229 | 210 | 181 | 144 |

Outline Drawing of KSIL20



KSIL 20 SERIES PERFORMANCE CURVE



Note: POWER CURVE INDICATE PUMP INPUT PER STAGE AND PUMP EFFICIENCY CURVE IS AVERAGE CURVE OF ALL THE PUMP

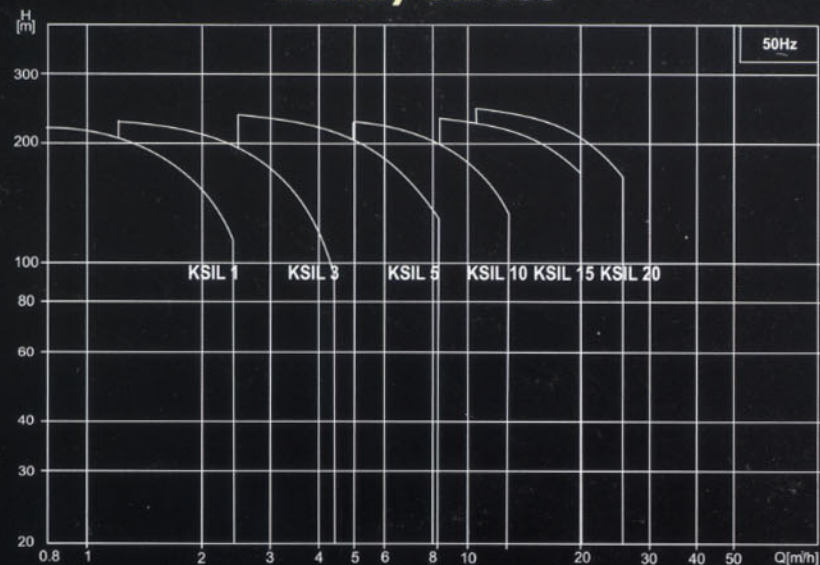
This curve relates to the liquid of S.G. - 1 and viscosity as water

Materials of Construction

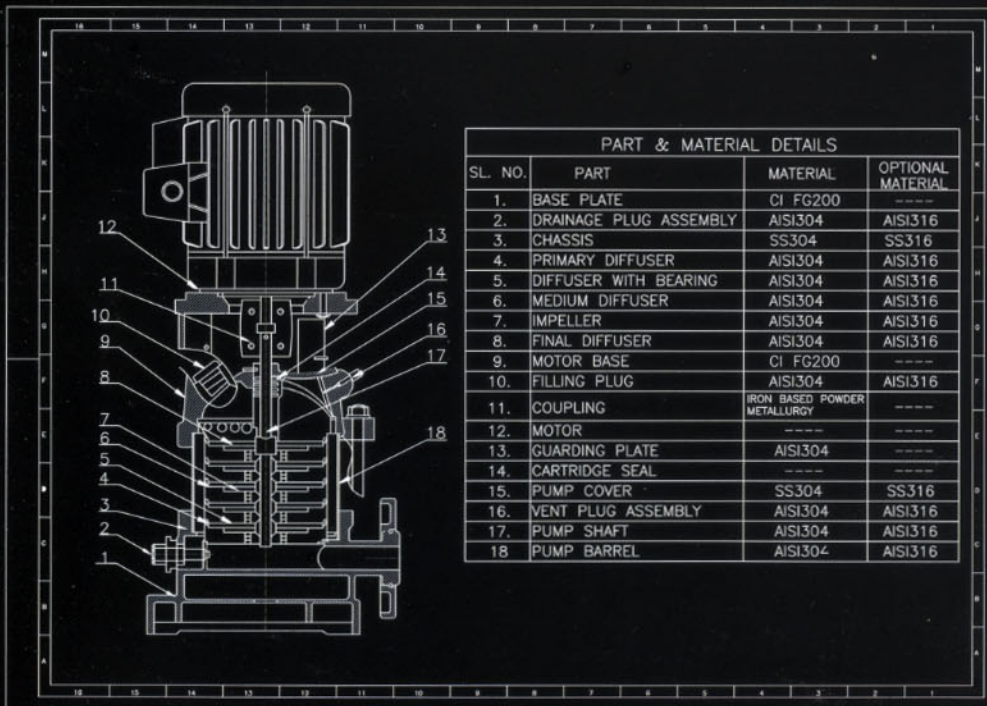
| Sr. No. | Parts | KSIL Series | |
|---------|-----------------------------|-------------|--------------------|
| | | Material | Optional Material* |
| 1 | BASE PLATE | CI FG200 | ----- |
| 2 | DRAINAGE PLUG ASSEMBLY | AISI304 | AISI316 |
| 3 | PRIMARY DIFFUSER | AISI304 | AISI316 |
| 4 | DIFFUSER WITH BEARING | AISI304 | AISI316 |
| 5 | MEDIUM DIFFUSER | AISI304 | AISI316 |
| 6 | IMPELLER | AISI304 | AISI316 |
| 7 | FINAL DIFFUSER | AISI304 | AISI316 |
| 8 | MOTOR BASE | CI FG200 | ----- |
| 9 | VENT PLUG ASSEMBLY | AISI304 | AISI316 |
| 10 | PUMP SHAFT | AISI304 | AISI316 |
| 11 | PUMP CASING (SUC. AND DEL.) | AISI304 | AISI316 |

* The availability of Inline pumps in MOC SS316 is against special requirement with higher delivery periods

Family curves



Cross-Sectional Drawing of KSIL1,3,5 Series



Cross-Sectional Drawing of KSIL10,15,20 Series

