

## Pump Performance Datasheet

|                       |                                            |
|-----------------------|--------------------------------------------|
| Customer :            | Quote number : 792628                      |
| Customer reference :  | Size : LES 065-125                         |
| Item number : Default | Stages : 1                                 |
| Service :             | Based on curve number : LES 80-65-125-2-60 |
| Quantity : 1          | Date last saved : 29 Sep 2023 1:43 PM      |

| Operating Conditions                            |                             | Liquid                                        |                        |
|-------------------------------------------------|-----------------------------|-----------------------------------------------|------------------------|
| Flow, rated                                     | : 48.00 m3/h                | Liquid type                                   | : Water                |
| Differential head / pressure, rated (requested) | : 20.00 m                   | Additional liquid description                 | :                      |
| Differential head / pressure, rated (actual)    | : 20.28 m                   | Solids diameter, max                          | : 0.0 mm               |
| Suction pressure, rated / max                   | : 0.00 / 0.00 bar.g         | Solids concentration, by volume               | : 0.00 %               |
| NPSH available, rated                           | : Ample                     | Temperature, max                              | : 20.00 deg C          |
| Site Supply Frequency                           | : 50 Hz                     | Fluid density, rated / max                    | : 0.999 / 0.999 kg/dm3 |
| Performance                                     |                             | Material                                      |                        |
| Speed criteria                                  | : Synchronous               | Material selected                             | : Standard             |
| Speed, rated                                    | : 2875 rpm                  | <b>Pressure Data</b>                          |                        |
| Impeller diameter, rated                        | : 125 mm                    | Maximum working pressure                      | : 2.13 bar.g           |
| Impeller diameter, maximum                      | : 139 mm                    | Maximum allowable working pressure            | : 16.00 bar.g          |
| Impeller diameter, minimum                      | : 100 mm                    | Maximum allowable suction pressure            | : 2.50 bar.g           |
| Efficiency                                      | : 76.78 %                   | Hydrostatic test pressure                     | : 24.00 bar.g          |
| NPSH required / margin required                 | : 2.04 / 0.00 m             | <b>Driver &amp; Power Data (@Max density)</b> |                        |
| nq (imp. eye flow) / S (imp. eye flow)          | : 42 / 175 Metric units     | Driver sizing specification                   | : Rated power          |
| MCSF                                            | : -                         | Margin over specification                     | : 0.00 %               |
| Head, maximum, rated diameter                   | : 21.76 m                   | Service factor                                | : 1.00 (used)          |
| Head rise to shutoff                            | : 8.61 %                    | Power, hydraulic                              | : 2.62 kW              |
| Flow, best eff. point                           | : 63.60 m3/h                | Power, rated                                  | : 3.41 kW              |
| Flow ratio, rated / BEP                         | : 75.48 %                   | Power, maximum, rated diameter                | : 4.26 kW              |
| Diameter ratio (rated / max)                    | : 89.93 %                   | Minimum recommended motor rating              | : 4.10 kW / 5.50 hp    |
| Head ratio (rated dia / max dia)                | : 82.44 %                   |                                               |                        |
| Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]                | : 1.00 / 1.00 / 1.00 / 1.00 |                                               |                        |
| Selection status                                | : Acceptable                |                                               |                        |

Performance based on test acceptance - ISO 9906:2012 3B. Performances are subject to periodic changes due to continuous improvements.

