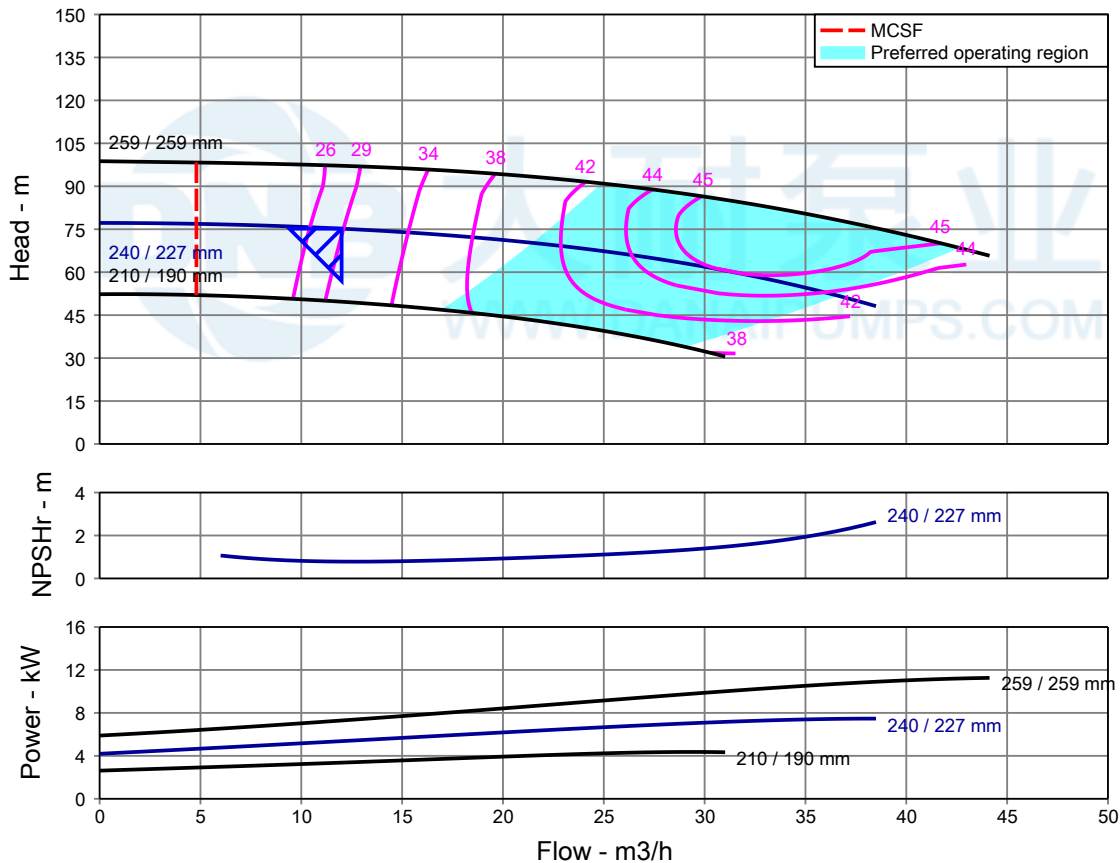




| | | | |
|-----------------|-------------------------|-----------------------|----------------|
| Item number | : P-1203A B | Size | : PC40-2250-25 |
| Service | : FRESH BD FEEDING PUMP | Stages | : 1 |
| Quantity | : 2 | Suction branch | : 3" |
| Quote number | : 20161018-2 | Discharge branch | : 1.5" |
| Date last saved | : 2016-12-22 10:51 | Based on curve number | : PC40-250-2p |

| Operating Conditions | | Liquid | |
|---|-----------------------------|------------------------------------|-----------------------|
| Flow, rated | : 12.00 m3/h | Liquid type | : Fluid |
| Differential head / pressure, rated (requested) | : 75.20 m | Additional liquid description | : 1,3 BUTADIENE |
| Differential head / pressure, rated (actual) | : 75.97 m | Solids diameter, max | : 0.00 mm |
| Suction pressure, rated / max | : 1.20 / 4.56 bar.g | Solids concentration, by volume | : 0.00 % |
| NPSH available, rated | : 3.20 m | Temperature, max | : 48.00 deg C |
| Frequency | : 50 Hz | Fluid density, rated / max | : 611.0 / 630.0 kg/m3 |
| Performance | | Material | |
| Speed, rated | : 2950 rpm | Material selected | : S-5 |
| Impeller diameter, rated | : 240 / 227 mm | Pressure Data | |
| Impeller diameter, maximum | : 259 / 259 mm | Maximum working pressure | : 10.76bar.g |
| Impeller diameter, minimum | : 210 / 190 mm | Maximum allowable working pressure | : 20.0 |
| Efficiency | : 28.84 % | Maximum allowable suction pressure | : 10.0 |
| NPSH required / margin required | : 1.5 / 0.00 m | Hydrostatic test pressure | : 30.0 |
| Ns (imp. eye flow) / Nss (imp. eye flow) | : 568 / 12,670 US Units | Driver & Power Data | |
| MCSF | : 4.80 m3/h | Driver sizing specification | : Rated power |
| Head, maximum, rated diameter | : 77.20 m | Margin over specification | : 25.00 % |
| Head rise to shutoff | : 2.66 % | Service factor | : 1.25 (used) |
| Flow, best eff. point | : 31.21 m3/h | Power, hydraulic | : 1.55 kW |
| Flow ratio, rated / BEP | : 38.45 % | Power, rated | : 5.37 kW |
| Diameter ratio (rated / max) | : 89.96 % | Power, maximum, rated diameter | : 7.47 kW |
| Head ratio (rated dia / max dia) | : 77.40 % | Minimum recommended motor rating | : 7.50 kW /10hp |
| Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010] | : 1.00 / 1.00 / 1.00 / 1.00 | | |
| Selection status | : Acceptable | | |



Impeller type:closed

Motor:7.5kw