Technical data

NCB 40-125 A

Operating data specification

Nominal flow US g.p.m. 0
Nominal head ft 0
Static head ft 0
NPSH - value of plant ft 0
Inlet pressure psi 1.42
Fluid Water, pure
Operating temperature t A °F 68
Density at t A lb/ft³ 62.32
Kin. viscosity at t A ft²/s 1.082E-5

Pump

Pump name NCB 40-125 A
Size 65/40/125
Design

Speed rpm 3600 No of stages 1
Impeller type

Flow
Nominal US g.p.m. 242
Min- US g.p.m.

Head
Nominal ft 58
Max- ft
Min- ft

Max. working pressure psi 55.5
Shaft power hp
Efficiency %
Max absorbed power hp 7.0971

Materials Pump

Shaft Stainless steel AISI 431 (1.4057)
Impeller Cast iron EN-GJL-250
Pump body Cast iron EN-GJL-250
Disco porta tenuta Cast iron EN-GJL-250
Gasket Natural fiber

Seal face Carbon graphite resin impreg.
Seat Alumina Oxide
Rubber elements EPDM Rubber
Spring and metal bellows Stainless steel AISI 316

Mech. seal EN 12756

Dimensions in inch

a 3.1496
b 3.1496
C 1/4”
D 3/8”
d k 0.94488
f 14.173
h1 4.4094
h2 5.5118
i 1.9685
m 3.937
m2 2.7559
n1 8.2677

C 3.4646
D 5.9055
DN 1.5748
K 4.3307

n° 0.15748
ø 0.74803

Notes.
Performance curves
NCB 40-125 A

Company name
Respons. Department
Person in charge
Phone number
Fax no
E-mail address

Flow | Head | Impeller type
--- | --- | ---
0 | 0 | Closed

Flow | Shaft power P2 | Impeller construction | Sense of rotation
--- | --- | --- | ---
| | hp | hp | Clockwise from the drive end

Operating data specification
- Flow: 0 US g.p.m.
- Head: 0 ft
- Shaft power P2: 69.5% Eff.
- NPSH-values: 0 ft, 0 ft, 0 US g.p.m.

Performance data based to: Water, pure [100%] ; 68°F; 62.3lb/ft³; 1.08E-5ft²/s

<table>
<thead>
<tr>
<th>Flow [US g.p.m.]</th>
<th>Head [ft]</th>
<th>Shaft power P2 [hp]</th>
<th>Efficiency [%]</th>
<th>NPSH-values</th>
</tr>
</thead>
<tbody>
<tr>
<td>52.8</td>
<td>242</td>
<td>0</td>
<td>158</td>
<td>0</td>
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</tbody>
</table>

Pump data
- Operating area
- Project: A
- Project ID: A
- Created by: A
- Created on: 1/29/2015
- Last update: A

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