Code:
70MA008001000

Description:
NR 32/125A-60

FAMILY: NR



Construction

Close-coupled, single-impeller, centrifugal pumps; electricmotor with extended shaft directly connected to the pump.

NR, NR4 series: Single head electropumps.
NRD, NRD4: Twin head pump with built-in automatic switching valve. The two head can operate singularly or in parallel.
Pump casing with suction and delivery connections with the same diameter and on the same axis (in-line).
Version with frequency converter (on request)

Application

For clean liquids without abrasives, which are non-aggressive for the pump materials (solids content up to 0.2%).
For heating, air-conditioning, cooling and circulation plants.
For civil and industrial applications.
When low noise operation is required (n ? 1450 rpm).

Operating conditions

Liquid temperature from -10 °C to +90 °C.
Ambient temperature up to 40° C.
Total suction lift up to 7 m.
Maximum permissible working pressure up to 10 bar.
Continuous duty.

Pump data

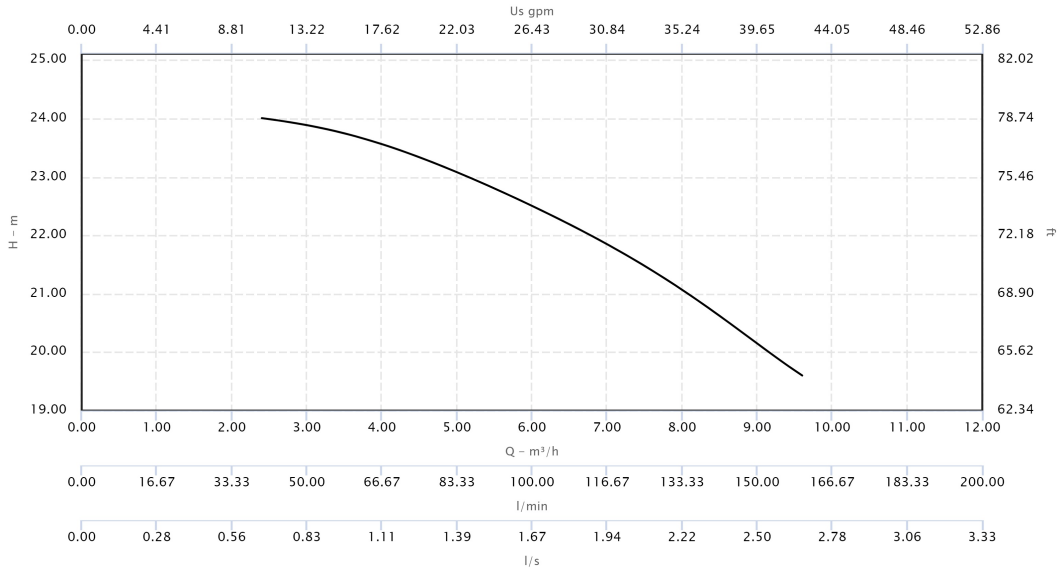
H max (m): 24.00
H min (m): 19.60
Q min (mc/h): 2.40
Q max (mc/h): 9.60
Impeller diameter (mm): 112.00
N. of impellers: 1

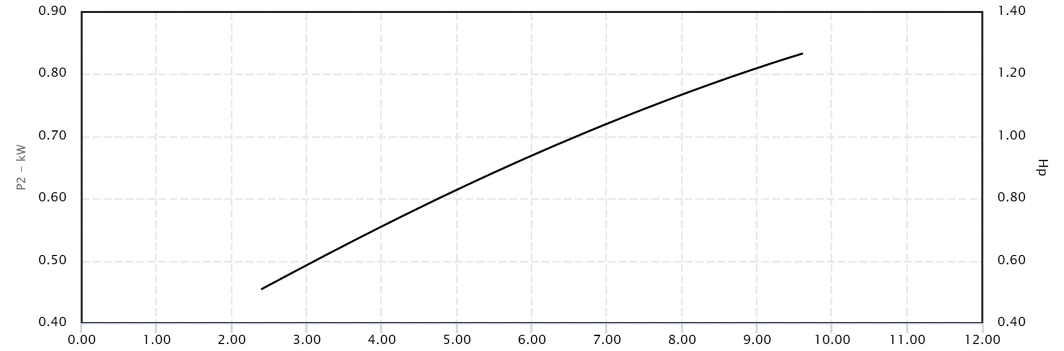
Motor data

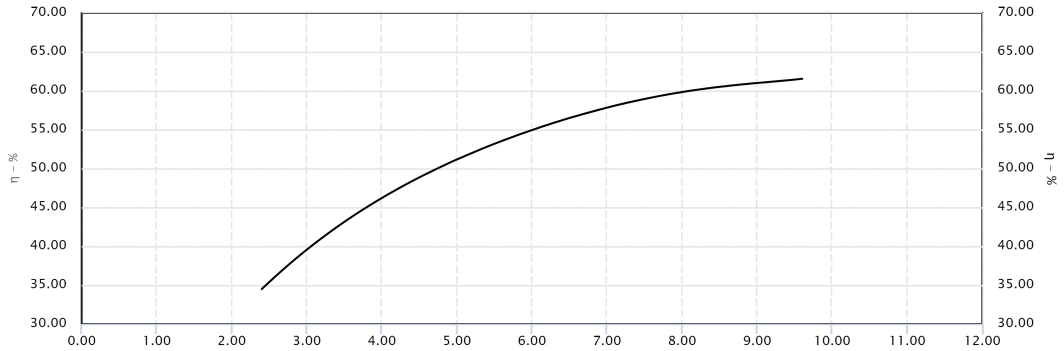
n (rpm): 3450
Pn (kW): 0.75
Pn (HP): 1.00
Motor type: IM
Motor phases: 3~
Un (V): 220/380
fn (Hz): 60
Motor poles: 2
In (A): 4.8 / 2.8
Insulation class: F
Service: S1
Ia/In: 5.60
Efficiency Index (EI): IE3-77.0
Ingress protection: IP 54

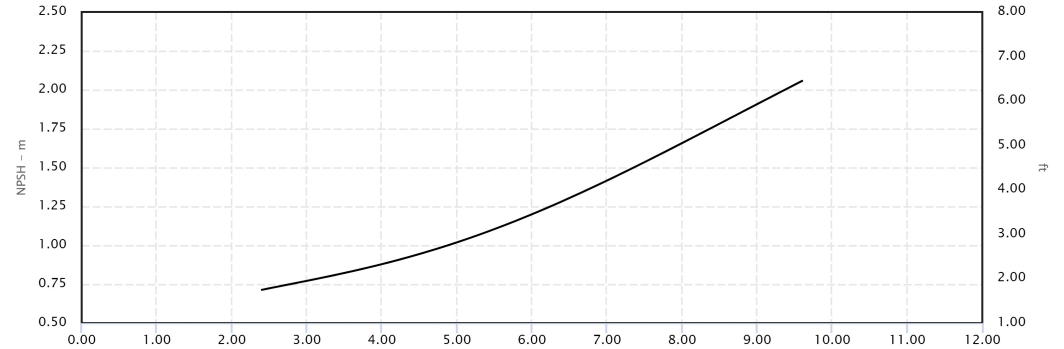
Construction materials

Pump Casing: Cast iron GJL 200 EN 1561
Lantern bracket: Cast iron GJL 200 EN 1561
Impeller: Brass P-Cu Zn 40 Pb 2 UNI 5705
Shaft: Chrome steel 1.4105 EN 10088 (AISI 430F)
Mechanical Seal: Carbon-Ceramic-NBR
Counterflanges: Steel S235JR 1.0038 EN 10025-2


Us gpm
0.00 4.41 8.81 13.22 17.62 22.03 26.43 30.84 35.24 39.65 44.05 48.46 52.86
H – m
25.00 24.00 23.00 22.00 21.00 20.00 19.00
ft
82.02 78.74 75.46 72.18 68.90 65.62 62.34
0.00 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00
Q – m³/h
0.00 16.67 33.33 50.00 66.67 83.33 100.00 116.67 133.33 150.00 166.67 183.33 200.00
l/min
0.00 0.28 0.56 0.83 1.11 1.39 1.67 1.94 2.22 2.50 2.78 3.06 3.33
l/s


P2 – kW
0.90 0.80 0.70 0.60 0.50 0.40
dH
1.40 1.20 1.00 0.80 0.60 0.40
0.00 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00


η – %
70.00 65.00 60.00 55.00 50.00 45.00 40.00 35.00 30.00
η – %
70.00 65.00 60.00 55.00 50.00 45.00 40.00 35.00 30.00
0.00 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00


NPSH – m
2.50 2.25 2.00 1.75 1.50 1.25 1.00 0.75 0.50
ft
8.00 7.00 6.00 5.00 4.00 3.00 2.00 1.00
0.00 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00

Dimensions (mm)

a: 260.00 mm
fM: 351.00 mm
h1: 80.00 mm
h2: 130.00 mm
h6: 271.00 mm
j1: 49.50 mm
j2: 31.50 mm
j3: 70.50 mm
l1: 86.00 mm
l2: 88.00 mm
AD: 113.00 mm
x: 60.00 mm
dn1: 32
dn2: 32
s1: M10

