DICKOW PUMPEN GmbH & Co. KG / Quotation Data Sheet - Pump with Shaft Seal

Quotation No.: **PA250536** Inquiry No. **Request for quotation 1605565 (250891)** Date : Week :
Client : **Dickow Pump Co., USA-Marietta** Inquiry Date : **25.04.25**
Quantity : **2** Type : **NCR huh 80/210** Design : **A C2A1C1161**
Cust. Item No.: Item No.: **01**

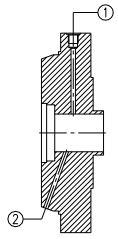
Accessories

Motor manufacturer : Delivered by : Assembled by :
Type : **(160L-2)** ISO-classif.: Protection : Ex - classif.:
Output : **(18,5 kW)** Voltage : Frequency : **(50 Hz)** Terminal box :
Construction : Thermistors : VIK : Efficiency-class:
Painting:
Coupling, Manuf./Type :
Base plate/frame : foundation bolts :

Thermosyphon vessel: Name tag : **Dickow USA**

Execution

Impeller diam. : **167 mm** Stages : **1** Pump flanges : Suct.: **6"** Ratg.: **300** Disch.: **3"** Ratg.: **300**
Impeller type : **closed** Machined acc. to : **ASME RF**
Circulation : **Plan 11 + 61** Bores, intermediate casing : (1) **no**
Casing mount : **centerline** Rotation : **cw** (2) **no**
Drain : **welded 0,75"ASME 300RF incl. Blind flange**
Press. gauge conn.: **no** Nozzle orientation : **standard**
Painting : **System 02, RAL 9006 / alum. silver** Self priming : **no**
Heating jacket flange: Inlet DN/PN: Outlet DN/PN:
Heating/Cooling : volute cas. : intermed. cas.: mech. seal :
Shaft seal : **Single mech. seal** Manufacturer : **CHETRA**
Inboard Type/Size : **700CA / ø40** Material : **AQ2GM6M4G1**
Outboard Type/Size : **(acc. to API682 4th E** Material :



Materials

Wetted casing: **1.7706** Side chan. impeller: Gasket : **graphite** bearing bracket: **GP 240 GH**
Diffuser : Imp. wear ring : **1.4418** Shaft sleeve : Support column :
Impeller : **EN-GJL** Pump shaft : **1.4021** Mech. seal casing: Dome cover :
Wear ring : **EN-GJL (CI) / CS** Guard material :

Operating Data

Liquid : **Marlotherm S** Density : **0,844 kg/l**
Solids : **no** Temperature : **300 °C** Viscosity : **0,7 mm2/s**
Flow liquid : **120 m3/h** Head liquid : **35 mLC** Power cons. liquid : **12,9 kW**
Flow water : Head water : Power cons. water :
Vapour pressure : Speed : **2950 rpm** max. power cons.: **14,5 kW**
MAWT: **340 °C** MAWP: **16 bar** Perf. curve : 64. **NC.60**

Tests

Material		Hydrostatic		Performance		NPSH	
Certificate:	Witnessed:	Certificate: **yes**	Witnessed:	Certificate: **yes**	Witnessed:	Certificate:	Witnessed:
EN 10204		Test Press.: **24 bar**		**API 610**	**5 point**		

Balancing		Vibration		Sound power	
Certificate:	Witnessed:	Certificate:	Witnessed:	Certificate:	Witnessed:
ISO 21940-11	**2.5**			ISO 9614-2	

Drawings, Build sheets, Documentation

Build sheet : **23.NCR.** Documentation : No.: **1** Language: **engl.** EU-Language IOM: **not EU**
Mech. seal build sheet : **23.NCR.**
Comments : **Pump acc. to API 610 OH2**

Qmin: 44 m³/h

NPSHA / NPSHR: >3,1m / 2,6m

Based on previous delivery PB00168793-794

Weights : net	**total**
Motor No.:	
ATEX:	

Ⓔx II 2 G Ex h IIC T6...T1 Gb (03 ATEX D 079 X)

Handled by AP **Date 28.04.25** **Techn. verified** **Trem.** **Date 28.04.25** **Comm. verified** **Date**

Quotation