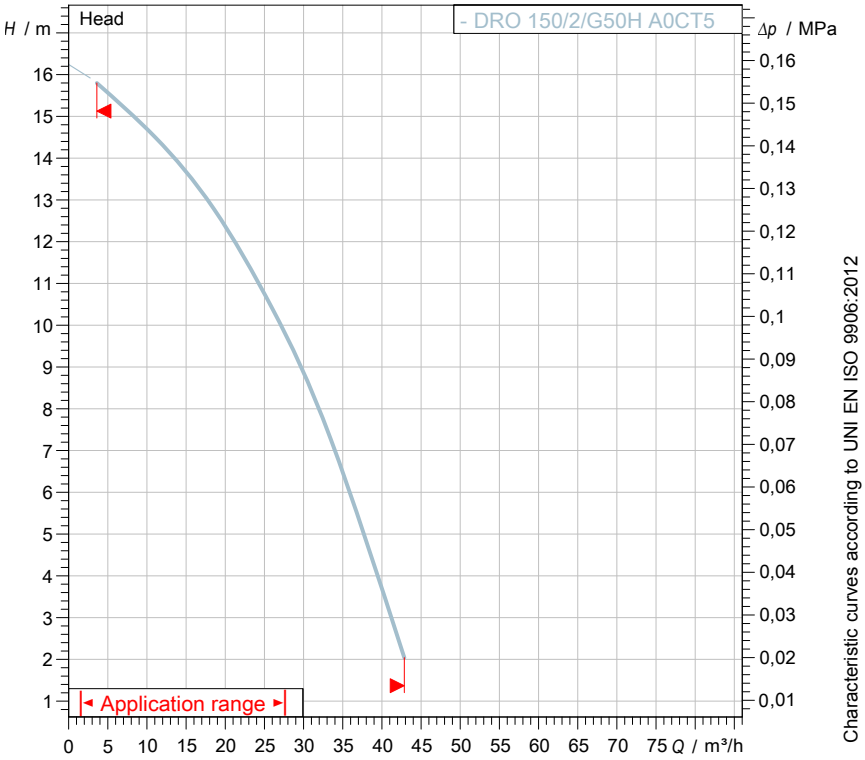
Data sheet

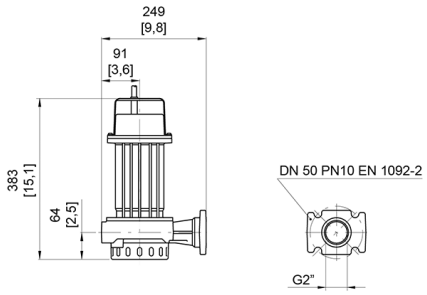
SAT 150/D-DRO 150/2/G50HA0CT5

E series

Technical specification

3~ 50 Hz





[mm [inch]]

Pump

Series	O series
Pump name	DRO 150/2/G50H A0CT5
Configuration	NGNAB41040N00NN
Standard	EN 809:2009

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	2
Rated power P2	1,1 kW
Incoming power P1	1,6 kW
Rated current	2,7 A
rpm	2665 1/min
Efficiency	70,4 %
cos φ	0,86
Rated torque	3,9 Nm
Start	Direct starting
Degree of protection	IP 68
Insulation class	F

Hydraulic

Type	DR (Multi-channel open)
Free passage	15 mm
Impeller type	Multi channel impeller
Discharge	DN 50 - G2" EN 1092-2
Curve tolerance	UNI EN ISO 9906:2012

Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m³
Max. immersion depth	20 m
pH treated liquid	6 ÷ 14
Max. start per hour (equally distributed)	30
Wet/dry use	WET
Max. acoustic pressure level	70 dB
Operating mode	S1 - Continuous use

Construction materials

Case	Cast iron EN-GJL 250
Shaft	Stainless steel - AISI 420
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting/Coating	Bi-epoxy 80 µm
Screws	Stainless steel - Class A2-70
Gaskets	NBR
Strainer	Stainless steel - AISI 304

Construction features

Cooling system	No cooling jacket
Main cable	4G1
Control cable	-
Cable length	10 mt
Mechanical seals	1 in silicon carbide (SiC) and 1 in carbon-aluminium oxide (AL)
Additional drilling	-
Weight*	20,5 kg
Electrical variant	No electrical device equipped

*** cable's weight not included**

Rev. 0 - 16-12-2014

Created on 2016-04-19

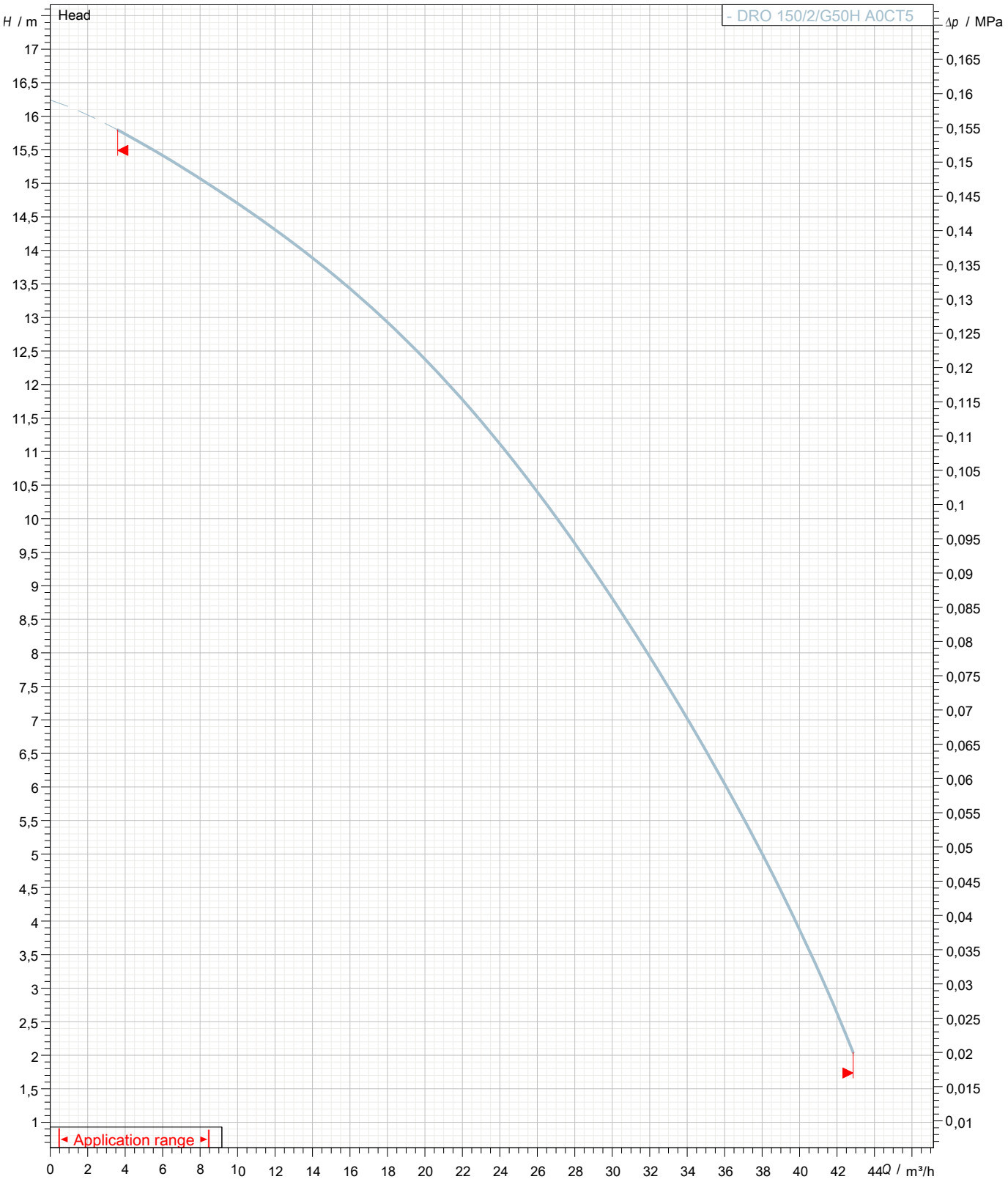
Pump performance curves

3~ 50 Hz

Hydraulic type	Impeller type	Free passage	Discharge	Suction
DR (Multi-channel open)	Multi channel impeller	15 mm	DN 50 - G2"	-

DUTY POINT

Flow	Head	Shaft power P2	Hydraulic efficiency	Density	Viscosity
				998,3 kg/m³	1,005 mm²/s



Characteristic curves according to UNI EN ISO 9906:2012