



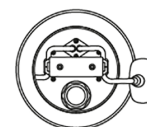
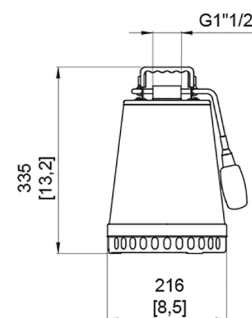
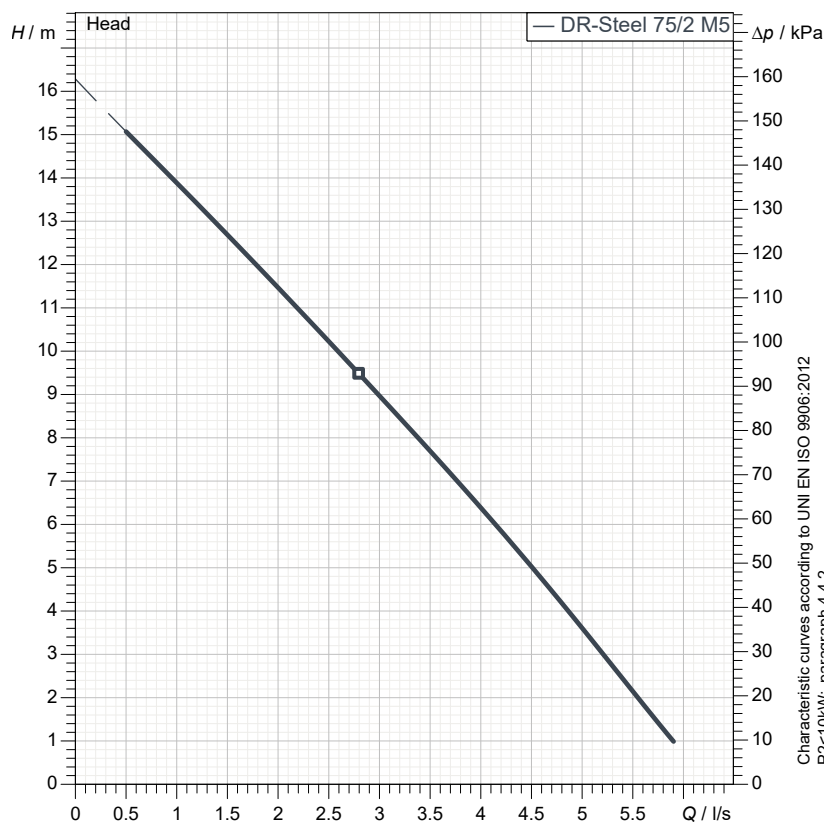
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# Data sheet

## DR-Steel 75 M5

**Steel**  
series

### Technical specification

**1~ 50 Hz**

[ mm  
[inch]

#### Pump

Series	Steel series
Pump name	DR-Steel 75 M5
Configuration	0 TG1H2300NN
Standard	EN 809:2009

#### Motor data

Rated voltage	230 V
Frequency	50 Hz
Motor phases	1~
Number of poles	2
Rated power P2	0.75 kW
Incoming power P1	1.20 kW
Rated current	5.6 A
rpm	2900 1/min
cos $\phi$	0.96
Rated torque	2.4 Nm
Start	
Degree of protection	IP 68
Insulation class	F

#### Hydraulic

Type	DR (Multi-channel open)
Free passage	12 mm
Impeller type	Open channel impeller
Max. hydraulic efficiency	
Suction	-
Discharge	G 1" 1/2 -
Curve tolerance	UNI EN ISO 9906:2012

#### Operating limits (standard pumps)

Max. ambient temperature	40 °C
Max. density treated liquid	1100 kg/m <sup>3</sup>
Max. immersion depth	10 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	Stainless steel - AISI 304
Shaft	Stainless steel AISI 431
Hydraulic	Stainless steel - AISI 304
Impeller	Stainless steel - AISI 304
Screws	Stainless steel - Class A2-70
Gaskets	NBR
Strainer	Stainless steel - AISI 304

#### Construction features

Main cable	3G1
Cable length	10 mt - Shuko plug
Mechanical seals	1 in silicon carbide (SiC) and 1 in alumina graphite (AL)
Weight*	8.4 kg
Electrical variant	Thermal protection, capacitor and float switch (on the motor cover)

\* cable and fixing system excluded



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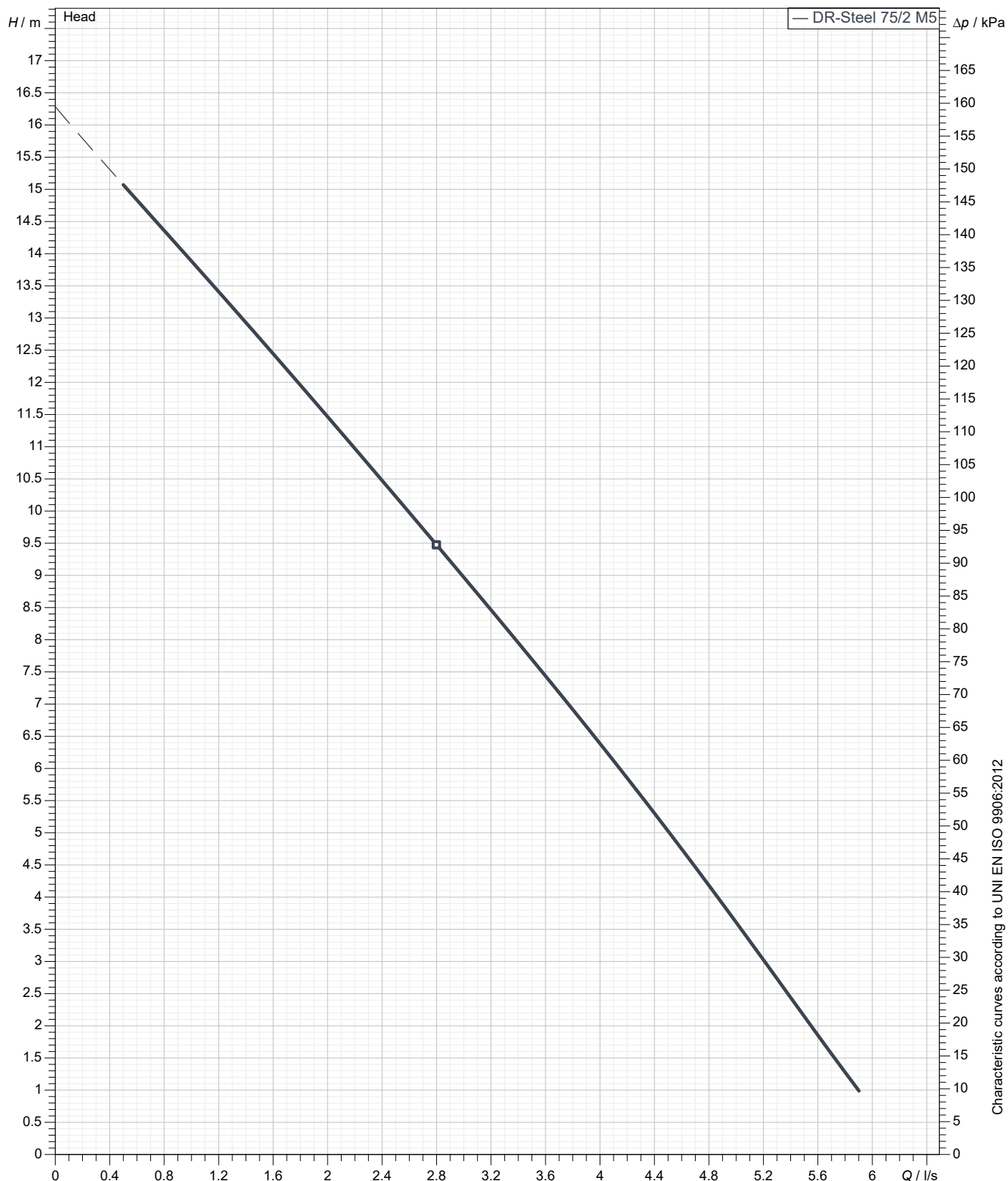
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**Steel**  
series

## Pump performance curves

1~ 50 Hz

Hydraulic type DR (Multi-channel open)		Impeller type Open channel impeller		Free passage 12 mm	Discharge G 1" 1/2	Suction -
<b>DUTY POINT</b>						
Flow	Head	Shaft power P2	Hydraulic efficiency	Density 998.3 kg/m <sup>3</sup>	Viscosity 1.005 mm <sup>2</sup> /s	



Characteristic curves according to UNI EN ISO 9906:2012  
 P2 < 10kW: paragraph 4.4.2  
 10kW < P2 < 100kW: Grade 3B  
 P2 > 100kW: Grade 2B



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## Dimensional drawing

1~ 50 Hz

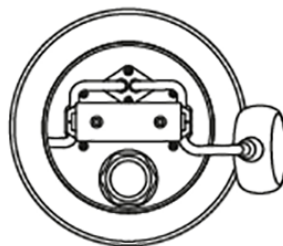
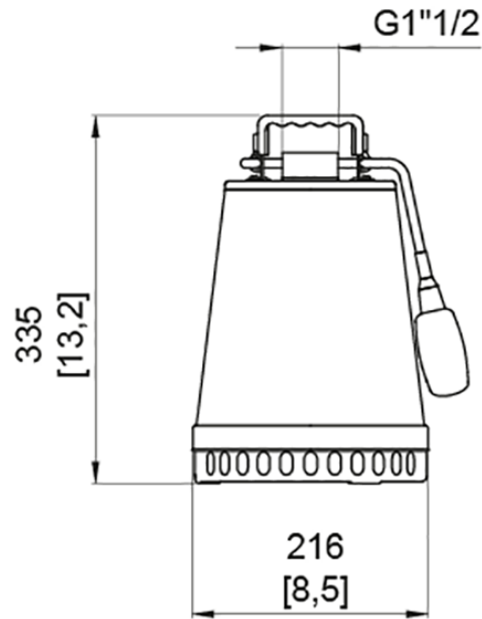
**Installation type** Free Installation

WET/DRY use: WET

Discharge: G 1" 1/2 -

Suction: -

Pressure rating (suction/discharge): -



[ mm  
[inch] ]