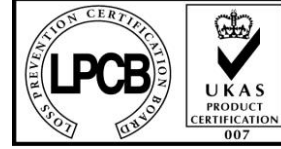


GODWIN HGT1-150.315

ESTIMATED PUMP PERFORMANCE CURVE

Customer:		Our reference:	
Sprinkler Ht / Outlet Static head 0.00 metres (mwc)		Reference No: LPCB 224a/16	
Tank Ht / Inlet static head : metres (mwc)		Impeller dia : 290 mm	
MFA / Duty 1:	l/min	bar	Speed : 2975 rpm
MRA / Duty 2:	l/min	bar	No of stages: 1
3 rd Duty	l/min	bar	Orifice dia: mm

Godwin Pumps Limited
 Quenington,
 Cirencester,
 Gloucestershire
 GL7 5BX
 Tel: 01285 750332
 Fax: 01285 750332

Assessed to ISO 9001:2000
 Certificate No. 224

Pump performance data

General data (zero suction pressure)

Suction flange : 200 mm
 Discharge flange: 150 mm
 Closed valve Head 114.21 metres (mwc)
 Power at closed valve 107.6 kW
 Peak power 171.9 kW

Most Favourable Area / Duty 1

MFA NPSH required 2.20 metres (mwc)
 MFA power required 107.6 kW

Most Remote Area / Duty 2

MRA NPSH required N/A metres (mwc)
 MRA power required N/A kW

3rd duty point

3rd NPSH required N/A metres (mwc)
 3rd duty power required N/A kW

Maximum Capacity (Qmax)

Flow at Qmax ##### l/min
 NPSH required at Qmax ##### metres (mwc)
 Power at Qmax ##### kW
 Power (Qmax+10%) ##### kW

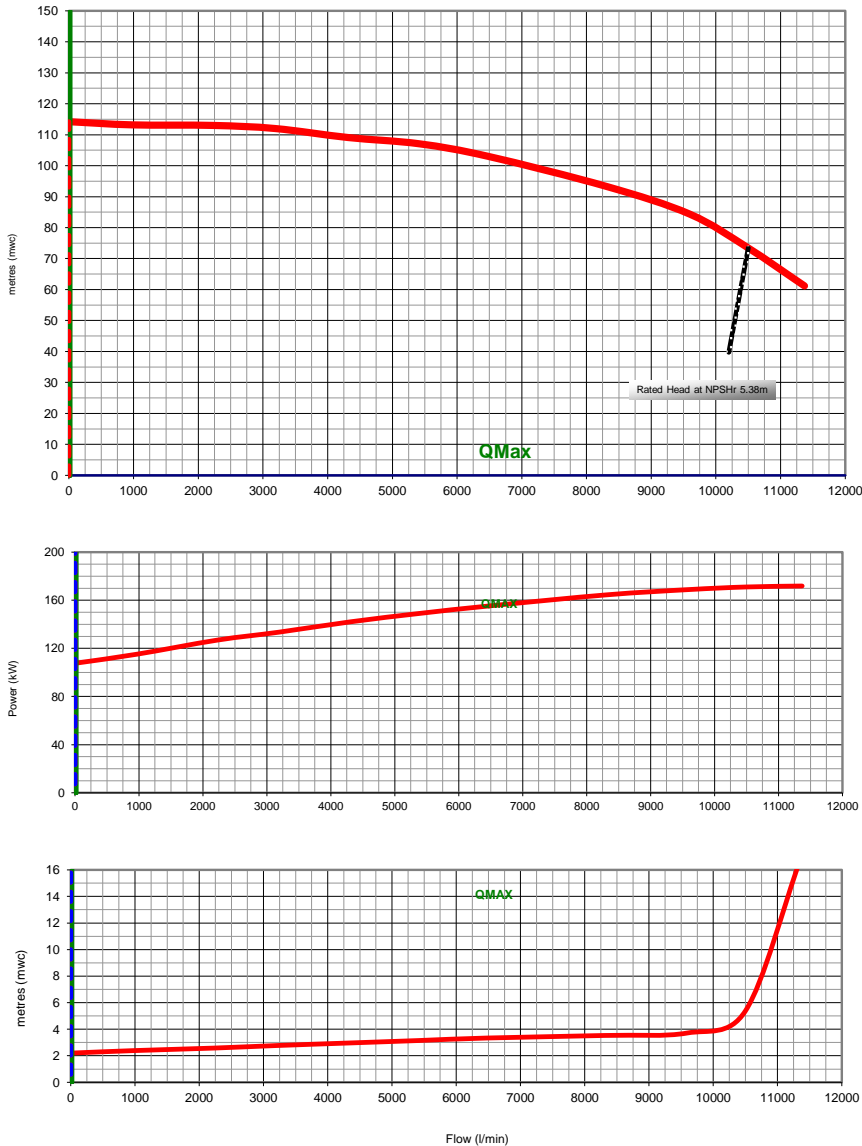


Table of results (Estimated in accordance with: BS EN ISO 9906:2000 Grade 2)

Flow (l/min)	Head (metres)	Power Required (kW)	NPSH Required (metres)	Pump Efficiency (%)
0	114	107.6	2.2	0
975	113	115.2	2.4	16
2225	113	126.9	2.6	32
3190	112	133.5	2.8	44
4309	109	142.1	3.0	54
5417	107	149.3	3.2	63
6485	103	155.3	3.3	70
8309	93	164.5	3.5	77
9600	84	168.9	3.7	78
10500	73	171.1	5.4	74
11369	61	171.9	16.0	66