



# Certificate of Compliance

This certificate is issued for the following:

**CENTRIFUGAL FIRE PUMPS  
HORIZONTAL END-SUCTION TYPE**

Prepared for:

**PATTERSON PUMP IRELAND LIMITED  
UNIT 1, IDA ARDMORE BUSINESS & TECHNOLOGY PARK  
MARLINSTOWN, MULLINGAR, CO.  
WESTMEATH, IRELAND**

FM Approvals Class: 1319

The pumps listed herein are FM Approved as of November 16, 2016

To verify the product continues to be Approved please refer to [www.approvalguide.com](http://www.approvalguide.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink that reads 'D.B. Fuller'.

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David B. Fuller  
AVP - Manager of Fire Protection  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062 USA



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Product	Rated Capacity, (gal/min)	Rated Capacity, (dm <sup>3</sup> /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min	Suction Inlet, dia., in.	Discharge Outlet, dia., in.	Stage(s)
4x3x11A ES	150	570	46-103	315-710	2600	4	3	1
4x3x11A ES	150	570	46-120	315-825	2800	4	3	1
4x3x11A ES	150	570	40-134	275-925	2950	4	3	1
4x3x11A ES	150	570	40-139	275-960	3000	4	3	1
4x3x11A ES	150	570	48-166	330-1145	3300	4	3	1
4x3x11A ES	150	570	55-193	380-1330	3550	4	3	1
4x3x11A ES	200	755	45-103	310-710	2600	4	3	1
4x3x11A ES	200	755	44-120	305-825	2800	4	3	1
4x3x11A ES	200	755	40-133	275-915	2950	4	3	1
4x3x11A ES	200	755	40-138	275-950	3000	4	3	1
4x3x11A ES	200	755	46-166	315-1145	3300	4	3	1
4x3x11A ES	200	755	53-193	365-1330	3550	4	3	1
4x3x11A ES	250	945	43-102	295-705	2600	4	3	1
4x3x11A ES	250	945	41	820	2800	4	3	1
4x3x11A ES	250	945	43-132	295-910	2950	4	3	1
4x3x11A ES	250	945	44-136	305-940	3000	4	3	1
4x3x11A ES	250	945	42-166	290-1145	3300	4	3	1
4x3x11A ES	250	945	51-193	350-1330	3550	4	3	1
4x3x11A ES	300	1135	56-99	385-685	2600	4	3	1
4x3x11A ES	300	1135	48-116	330-800	2800	4	3	1
4x3x11A ES	300	1135	55-130	380-895	2950	4	3	1
4x3x11A ES	300	1135	57-134	395-925	3000	4	3	1
4x3x11A ES	300	1135	70-165	485-1140	3300	4	3	1
4x3x11A ES	300	1135	62-191	425-1315	3550	4	3	1
5x3x11A ES	400	1515	42-110	290-760	2600	5	3	1
5x3x11A ES	400	1515	71-129	490-890	2800	5	3	1
5x3x11A ES	400	1515	57-143	395-985	2950	5	3	1
5x3x11A ES	400	1515	59-148	405-1020	3000	5	3	1
5x3x11A ES	400	1515	73-181	505-1250	3300	5	3	1
5x3x11A ES	400	1515	74-209	510-1440	3550	5	3	1
5x3x11A ES	450	1705	58-107	400-740	2600	5	3	1
5x3x11A ES	450	1705	69-126	475-870	2800	5	3	1
5x3x11A ES	450	1705	54-141	370-970	2950	5	3	1
5x3x11A ES	450	1705	57-146	395-1005	3000	5	3	1
5x3x11A ES	450	1705	71-178	490-1225	3300	5	3	1
5x3x11A ES	450	1705	72-208	495-1435	3550	5	3	1
5x3x11A ES	500	1895	65-104	450-715	2600	5	3	1



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5x3x11A ES	500	1895	78-123	540-850	2800	5	3	1
5x3x11A ES	500	1895	75-138	515-950	2950	5	3	1
5x3x11A ES	500	1895	77-143	530-985	3000	5	3	1
5x3x11A ES	500	1895	68-177	470-1220	3300	5	3	1
5x3x11A ES	500	1895	69-206	475-1420	3550	5	3	1
E3D13A-FP	500	1895	88-176	605-1215	2600	4	3	1
E3F11A-FP	500	3445	123-178	850-1225	3570	4	3	1
E3F11A-FP	500	3445	68-113	470-780	2600	4	3	1
E3F11A-FP	500	3445	70-133	485-915	2800	4	3	1
E3F11A-FP	500	3445	81-151	560-1040	2970	4	3	1
E4J11A-FP	750	2840	63-113	435-780	2600	5	4	1
E4J11A-FP	750	2840	71-132	490-910	2800	5	4	1
E4J11A-FP	750	2840	83-151	570-1040	2980	5	4	1
E4J11A-FP	750	2840	99-147	685-1015	3580	5	4	1



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# Certificate of Compliance

This certificate is issued for the following:

**Centrifugal Fire Pumps  
(Horizontal, End Suction Type)**

**Model 8x6x13A ES**  
(See attached listing)

**Prepared for:**

Patterson Pump Company  
2129 Ayersville Rd.  
Toccoa, GA 30577

FM Approvals Class: 1319

Approval Identification: 3059925

Approval Granted: March 21, 2018

To verify the product continues to be Approved please refer to [www.approvalguide.com](http://www.approvalguide.com).

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in black ink, appearing to read 'D.B. Fuller', is written over a horizontal line.

David B. Fuller  
VP, Manager - Fire Protection  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062



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8x6x13A ES	1000	3780	115-194	795-1340	2970	8	6
8x6x13A ES	1250	4730	110-189	760-1305	2970	8	6
8x6x13A ES	1500	5680	100-183	690-1260	2970	8	6
8x6x13A ES	1000	3780	118-198	815-1365	3000	8	6
8x6x13A ES	1250	4730	112-194	770-1340	3000	8	6
8x6x13A ES	1500	5680	103-187	710-1290	3000	8	6



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