



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

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'.

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



Member of the FM Global Group



Certificate of Compliance

Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /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



Member of the FM Global Group



Certificate of Compliance

Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /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)
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



Member of the FM Global Group