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Pentair International LLC

LIMITED PRODUCTION CERTIFICATION REPORT

SCOPE OF WORK

Limited Production Certification (ETLus) of Motor operated water pumps (various models)

REPORT NUMBER

200023611UDI-ETL

ISSUE DATE

03-May-2019

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DOCUMENT CONTROL NUMBER

SFT-ETL LPC-OP-19c (28-July-2017)

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LIMITED PRODUCTION CERTIFICATION REPORT

Report Number	200023611UDI-ETL	Original Issued	03-May-2019	Revised	None
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Standard(s)	UL 778:2016Ed.6+R:20Oct2017 Motor-Operated Water Pumps
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Applicant	Pentair International LLC	Manufacturer	Pentair Manufacturing Italy S.r.l.
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Product Description	
Product	Motor-Operated Water Pumps
Brand name	Pentair, Pentair Aurora, Fairbanks
Description	The products covered by this report are commercial, indoor use, permanently connected Motor-Operated Water Pumps
Models	PVM 10-1 FT, PVM 10-7 FT, PVM 15-3 FT, PVM 15-5 FT, PVM 20-4 FT, PVM 20-6 FT, PVM 32-3 FT, PVM 32-3-2 FT
Model Similarity	All products covered by this report are commercial, indoor use, permanently connected Motor-Operated Water Pumps
Ratings	PVM 10-1 FT: rated 400V, 3 phases, 60Hz, 1.7A, 0.75kW PVM 10-7 FT: rated 400V, 3 phases, 60Hz, 10.1A, 5.5kW PVM 15-3 FT: rated 400V, 3 phases, 60Hz, 7.4A, 4kW PVM 15-5 FT: rated 400V, 3 phases, 60Hz, 13.9A, 7.5kW PVM 20-4 FT: rated 400V, 3 phases, 60Hz, 13.9A, 7.5kW PVM 20-6 FT: rated 400V, 3 phases, 60Hz, 19.4A, 11kW PVM 32-3 FT: rated 400V, 3 phases, 60Hz, 19.4A, 11kW PVM 32-3-2 FT: rated 400V, 3 phases, 60Hz, 19.4A, 11kW
Other Ratings	NA

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Labeling		
Model	Serial No.	LPC No.
PVM 10-1 FT	52050161-0045	1001137
PVM 10-1 FT	52050161-0046	1001138
PVM 10-7 FT	52050161-0048	1001139
PVM 10-7 FT	52050161-0049	1001140
PVM 10-7 FT	52050161-0050	1001141
PVM 10-7 FT	52050161-0051	1001142
PVM 15-3 FT	52050161-0015	1000800
PVM 15-3 FT	52050161-0016	1000801
PVM 15-3 FT	52050161-0017	1000802
PVM 15-3 FT	52050161-0018	1000803
PVM 15-3 FT	52050161-0019	1000804
PVM 15-3 FT	52050161-0020	1000805
PVM 15-5 FT	52050161-0052	1001143
PVM 15-5 FT	52050161-0053	1001144
PVM 15-5 FT	52095777-0001	1001145
PVM 15-5 FT	52095777-0002	1001146
PVM 15-5 FT	52095777-0003	1001147
PVM 20-4 FT	52050161-0054	1001155
PVM 20-4 FT	52050161-0055	1001156
PVM 20-4 FT	52050161-0056	1001157
PVM 20-4 FT	52050161-0057	1001158
PVM 20-4 FT	52050161-0058	1001159
PVM 20-4 FT	52050161-0059	1001160
PVM 20-4 FT	52050161-0060	1001161
PVM 20-4 FT	52050161-0061	1001162
PVM 20-4 FT	52050161-0062	1001163
PVM 20-4 FT	52050161-0063	1001164
PVM 20-4 FT	52050161-0064	1001165
PVM 20-4 FT	52050161-0065	1001166
PVM 20-4 FT	52050161-0066	1001167
PVM 20-4 FT	52050161-0067	1001168
PVM 20-4 FT	52050161-0068	1001169
PVM 20-4 FT	52050161-0069	1001170
PVM 20-4 FT	52050161-0070	1001171
PVM 20-4 FT	52050161-0071	1001172
PVM 20-4 FT	52050161-0072	1001173
PVM 20-4 FT	52050161-0073	1001174
PVM 20-6 FT	52050161-0074	1001148
PVM 20-6 FT	52050161-0075	1001149
PVM 20-6 FT	52050161-0076	1001150
PVM 32-3 FT	52050161-0077	1001175
PVM 32-3 FT	52050161-0078	1001176
PVM 32-3 FT	52050161-0079	1001177
PVM 32-3 FT	52050161-0080	1001178
PVM 32-3 FT	52050161-0081	1001179
PVM 32-3 FT	52050161-0082	1001180
PVM 32-3-2 FT	52050161-0083	1001151
PVM 32-3-2 FT	52050161-0084	1001152
PVM 32-3-2 FT	52050161-0085	1001153
PVM 32-3-2 FT	52050161-0086	1001154

LIMITED PRODUCTION CERTIFICATION REPORT

Test Summary					
Evaluation Period	April 18 – May 02, 2019		Project No.	23611	
Sample Rec. Date	April 18, 2019	Condition	Production	Sample ID.	--
Test Location	Pentair Manufacturing Italy S.r.l. – Via Masaccio, 13 – 56010 Lugnano, PISA – ITALY				
Test Procedure	Testing at Manufacturers Premises (TMP) - Level 1				
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.					
The following tests were performed:					
Test Description	UL 778:2016Ed.6 + R:20Oct2017 Clause				
Starting Current Test	38				
Input Test	39				
Temperature Test	40				
Dielectric Voltage-Withstand Test	41				
Flooding Test	45				
Insulation Resistance Test	46				
Operation Test	52				
Abnormal Operation Test: Dry operation	53.1				

Conclusion			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated above.			
Please note, this Report does not represent authorization for the applicant or manufacturer to apply Intertek Certification Marks.			
Completed by:	Anna Baruzzi	Reviewed by:	Andrea Pirovano
Title:	Senior Project Engineer	Title:	Senior Project Engineer
Signature:		Signature:	