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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

200024060UDI-ETL

ISSUE DATE

31-July-2019

PAGES

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

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LIMITED PRODUCTION CERTIFICATION REPORT

Report Number	200024060UDI-ETL	Original Issued:	31-July-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	PVMX 1-2, PVMX 15-4, PVMX 20-3, PVMX 20-4, PVMX 45-3
Model Similarity	All products covered by this report are commercial, indoor use, permanently connected Motor-Operated Water Pumps
Ratings	PVMX 1-2: rated 400V, 3 phases, 60Hz, 1.1A, 0.37kW PVMX 15-4: rated 400V, 3 phases, 60Hz, 10.1A, 5.5kW PVMX 20-3: rated 400V, 3 phases, 60Hz, 10.1A, 5.5kW PVMX 20-4: rated 400V, 3 phases, 60Hz, 13.9A, 7.5kW PVMX 45-3: rated 400V, 3 phases, 60Hz, 35.9A, 18.5kW
Other Ratings	NA


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LIMITED PRODUCTION CERTIFICATION REPORT

Labeling		
Model	Serial No.	LPC No.
PVMX 1-2	521519660001	1003635
PVMX 1-2	521519660002	1003636
PVMX 1-2	521519660003	1003637
PVMX 1-2	521519660004	1003638
PVMX 15-4	521519660005	1003639
PVMX 15-4	521519660006	1003640
PVMX 15-4	521519660007	1003641
PVMX 20-3	521519660008	1003642
PVMX 20-3	521519660009	1003643
PVMX 20-3	521519660010	1003644
PVMX 20-3	521519660011	1003645
PVMX 20-4	521519660012	1003646
PVMX 20-4	521519660013	1003647
PVMX 20-4	521519660014	1003648
PVMX 20-4	521519660015	1003649
PVMX 20-4	521519660016	1003650
PVMX 20-4	521519660017	1003651
PVMX 20-4	521519660018	1003652
PVMX 20-4	521519660019	1003653
PVMX 45-3	521519660020	1003654
PVMX 45-3	521519660021	1003655
PVMX 45-3	521519660022	1003656
PVMX 45-3	521519660023	1003657
PVMX 45-3	521519660024	1003658
PVMX 45-3	521519660025	1003659

LIMITED PRODUCTION CERTIFICATION REPORT

Test Summary					
Evaluation Period	July 30 – July 31, 2019		Project No.	24060	
Sample Rec. Date	July 30, 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:	