## CHART II NEMA / IP Cross Reference

The chart below provides a cross-reference from NEMA to International Protection (IP) Ratings. This cross-reference is an approximation based on the most current information available. It is not sanctioned by NEMA, IEC, or any other regulatory body. This chart should be used only as a guideline.

Protection Ratings   1   2   3   3R   4   4X   5   6     IP 00   <	12	13
IP 10VIIIIIIIP 11IP 20IP 21IP 21		
IP 10   V   IP 20   IP		
IP 11VIIIIIIP 20IIIIIIIIIP 21IIIIIIIIIIP 22IIIIIIIIIIIIP 23IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII <td></td> <td></td>		
IP 20IP 30IP 31IP 31		
IP 22IP 30IP 30		
IP 23   IP 30   IP 40   IP 40 <td< td=""><td></td><td></td></td<>		
IP 30   IP 30   IP 31   IP 30   IP 40   IP 40 <td< td=""><td></td><td></td></td<>		
$\begin{array}{ c c c c c }  P 31 &   &   &   &   &   &   &   &   &   & $		
$ \begin{array}{ c c c c c }  P 32 &   &   &   &   &   &   &   &   &   & $		
$\begin{array}{ c c c c c c }  P 33 &   c c c c    c c c c c c c c c c c c $		
IP 40   IP 50   IP 50   IP 50   IP 51   IP 50   IP 51   IP 50   IP 51   IP 51 <td< td=""><td></td><td></td></td<>		
IP 41   IP 40   IP 50   IP 50 <td< td=""><td></td><td></td></td<>		
IP 41   IP 40   IP 50   IP 50 <td< td=""><td></td><td></td></td<>		
IP 42   IP 43   IP 50   IP 50 <td< td=""><td></td><td></td></td<>		
IP 43   IP 43   IP 50   IP 50 <td< td=""><td></td><td></td></td<>		
IP 50   IP 50   IP 51     IP 52   IP 53   IP 53     IP 54   IP 55   IP 56     IP 56   IP 50   IP 50     IP 60   IP 50   IP 50		
IP 51 IP 52 IP 52   IP 52 IP 50 IP 50   IP 54 IP 55 IP 56   IP 56 IP 50 IP 50		
IP 52   IP 52   IP 53   IP 53   IP 54   IP 55   IP 55     IP 56   IP 56   IP 50   I		
IP 53   IP 53   IP 54   IP 55   IP 55   IP 56   IP 56 <th< td=""><td></td><td></td></th<>		
IP 54 IP 56   IP 60 IP 60		
IP 55     IP 56     IP 60		
IP 56 IP 60		
IP 60		
IP 61		
IP 62		
IP 63		
IP 64		
IP 65		
IP 66		
IP 67		
IP 68		