

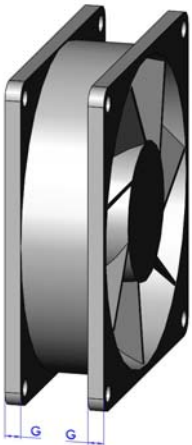
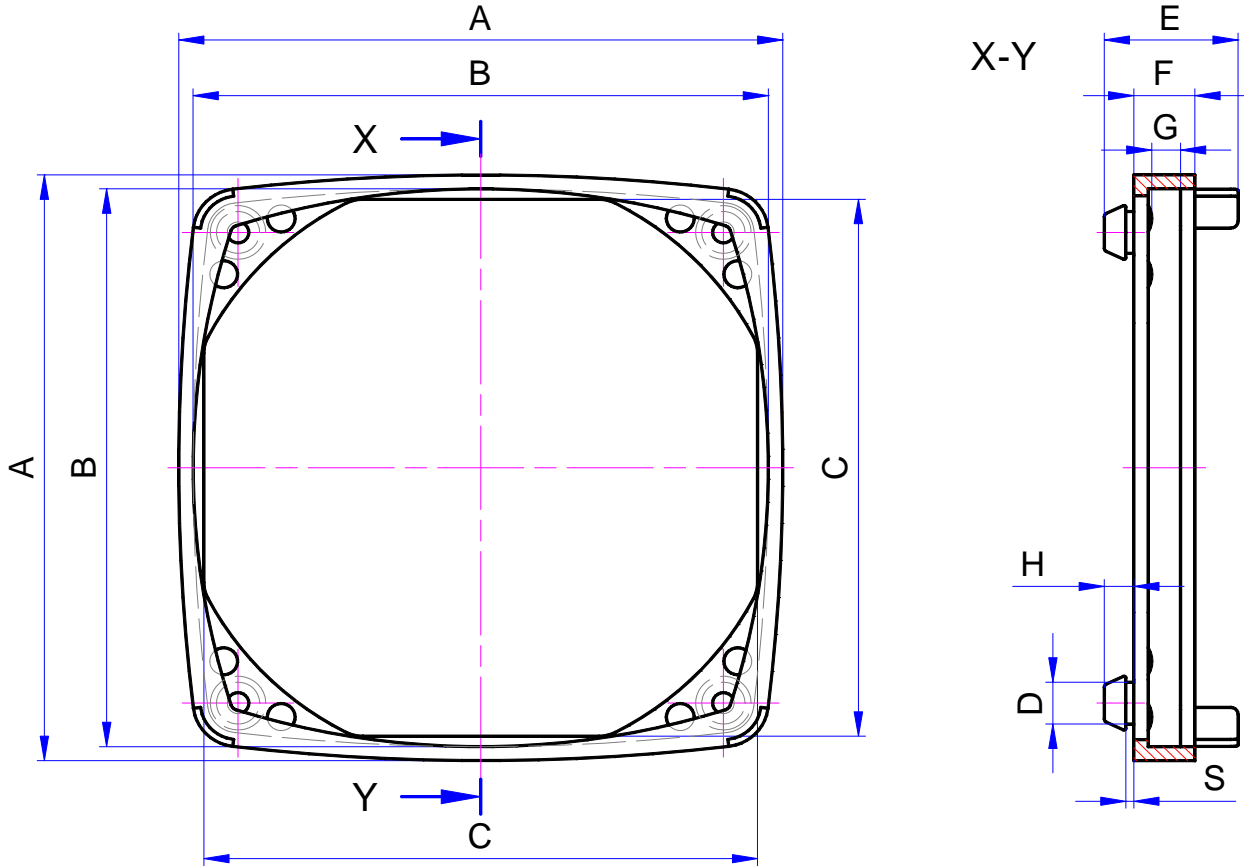


Fan sleeves type LM

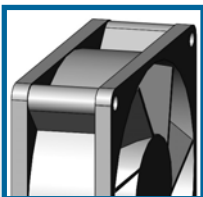
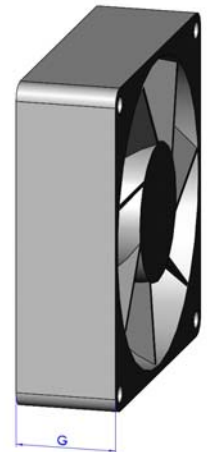
| | | |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <p>Material: TPE (Thermoplastic elastomer) Colour: black Hardness: ca. 65° Shore A Temperature resistance: from -40 to +100° C Fire resistance: UL94-V-0 Equals guideline: EG2011/65/EU (RoHS) and EG1907/2006 (REACH)</p> |  |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|



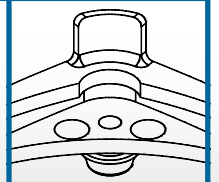
For the article definition you need the fan size (size B), the flange thickness (size G/ see picture left) and also the panel thickness.

Small fans do not have an extra flange (see picture right). For this fans the flange means the height of the fan (size G).

With * marked fan types size G equals the fan height.



For **rip type** fans you need the sleeve types with „-F“ (free edges)
 i.e. LM-80-40-10-F



Article number:

| | | | | |
|-----------|------------|----------------------------------------|---------------------------------------------------------------------------|------------------------------|
| LM | 40 | 20 | 10 or 20 | (F) |
| Article | Fan size B | fan flange thickness size G at 1/10 mm | panel thickness 10 = from 0,75 to 1,25 mm 20 = from 1,50 to 2,50 mm | free edges for rip type fans |

| Article no. | A | B | C | D | E | F | G | H | S | Panel thickness |
|---------------------|-----|-----|-----|-----|-------|-------|--------|-----|-----|-----------------|
| LM-25-100-10 | 27 | 25 | 24 | 3,5 | 20,25 | 12,25 | 10,0 | 2,0 | 1,0 | 0,75 to 1,25 |
| LM-25-100-20 | 27 | 25 | 24 | 3,5 | 21,25 | 12,25 | 10,0 | 2,0 | 2,0 | 1,50 to 2,50 |
| LM-30-100-10 | 33 | 30 | 28 | 4,0 | 22,25 | 13,25 | 10,0 * | 3,0 | 1,0 | 0,75 to 1,25 |
| LM-30-100-20 | 33 | 30 | 28 | 4,0 | 23,25 | 13,25 | 10,0 * | 4,0 | 2,0 | 1,50 to 2,50 |
| LM-40-20-10-F | 43 | 40 | 38 | 4,5 | 14,75 | 5,25 | 2,0 | 3,5 | 1,0 | 0,75 to 1,25 |
| LM-40-20-20-F | 43 | 40 | 38 | 4,5 | 15,75 | 5,25 | 2,0 | 4,5 | 2,0 | 1,50 to 2,50 |
| LM-40-40-10-F | 43 | 40 | 38 | 4,5 | 16,75 | 7,25 | 4,0 | 3,5 | 1,0 | 0,75 to 1,25 |
| LM-40-40-20-F | 43 | 40 | 38 | 4,5 | 17,75 | 7,25 | 4,0 | 4,5 | 2,0 | 1,50 to 2,50 |
| LM-40-100-10 | 43 | 40 | 38 | 4,5 | 22,75 | 13,25 | 10,0 * | 3,5 | 1,0 | 0,75 to 1,25 |
| LM-40-100-20 | 43 | 40 | 38 | 4,5 | 23,75 | 13,25 | 10,0 * | 4,5 | 2,0 | 1,50 to 2,50 |
| LM-40-150-10 | 43 | 40 | 38 | 4,5 | 27,75 | 18,25 | 15,0 * | 3,5 | 1,0 | 0,75 to 1,25 |
| LM-40-150-20 | 43 | 40 | 38 | 4,5 | 28,75 | 18,25 | 15,0 * | 4,5 | 2,0 | 1,50 to 2,50 |
| LM-40-200-10 | 43 | 40 | 38 | 4,5 | 32,75 | 23,25 | 20,0 * | 3,5 | 1,0 | 0,75 to 1,25 |
| LM-40-200-20 | 43 | 40 | 38 | 4,5 | 33,75 | 23,25 | 20,0 * | 4,5 | 2,0 | 1,50 to 2,50 |
| LM-50-25-10-F (B42) | 53 | 50 | 48 | 4,5 | 15,25 | 5,75 | 2,5 | 3,5 | 1,0 | 0,75 to 1,25 |
| LM-50-25-20-F (B42) | 53 | 50 | 48 | 4,5 | 16,5 | 5,75 | 2,5 | 4,5 | 2,0 | 1,50 to 2,50 |
| LM-50-100-10 (B40) | 53 | 50 | 48 | 4,5 | 22,75 | 13,25 | 10,0 * | 3,5 | 1,0 | 0,75 to 1,25 |
| LM-50-100-20 (B40) | 53 | 50 | 48 | 4,5 | 23,75 | 13,25 | 10,0 * | 4,5 | 2,0 | 1,50 to 2,50 |
| LM-50-150-10 (B40) | 53 | 50 | 48 | 4,5 | 27,75 | 18,25 | 15,0 * | 3,5 | 1,0 | 0,75 to 1,25 |
| LM-50-150-20 (B40) | 53 | 50 | 48 | 4,5 | 28,75 | 18,25 | 15,0 * | 4,5 | 2,0 | 1,50 to 2,50 |
| LM-50-200-10 (B40) | 53 | 50 | 48 | 4,5 | 32,75 | 23,35 | 20,0 * | 3,5 | 1,0 | 0,75 to 1,25 |
| LM-50-200-20 (B40) | 53 | 50 | 48 | 4,5 | 33,75 | 23,25 | 20,0 * | 4,5 | 2,0 | 1,50 to 2,50 |
| LM-60-30-10 (-F) | 64 | 60 | 58 | 5,0 | 17,50 | 7,50 | 3,0 | 4,0 | 1,0 | 0,75 to 1,25 |
| LM-60-30-20 (-F) | 64 | 60 | 58 | 5,0 | 18,50 | 7,50 | 3,0 | 5,0 | 2,0 | 1,50 to 2,50 |
| LM-60-40-10 (-F) | 64 | 60 | 58 | 5,0 | 18,50 | 8,50 | 4,0 | 4,0 | 1,0 | 0,75 to 1,25 |
| LM-60-40-20 (-F) | 64 | 60 | 58 | 5,0 | 19,50 | 8,50 | 4,0 | 5,0 | 2,0 | 1,50 to 2,50 |
| LM-80-30-10 (-F) | 84 | 80 | 77 | 5,8 | 17,50 | 7,50 | 3,0 | 4,0 | 1,0 | 0,75 to 1,25 |
| LM-80-30-20 (-F) | 84 | 80 | 77 | 5,8 | 18,50 | 7,50 | 3,0 | 5,0 | 2,0 | 1,50 to 2,50 |
| LM-80-40-10 (-F) | 84 | 80 | 77 | 5,8 | 18,50 | 8,50 | 4,0 | 4,0 | 1,0 | 0,75 to 1,25 |
| LM-80-40-20 (-F) | 84 | 80 | 77 | 5,8 | 19,50 | 8,50 | 4,0 | 5,0 | 2,0 | 1,50 to 2,50 |
| LM-80-50-10 (-F) | 84 | 80 | 77 | 5,8 | 20,50 | 9,50 | 5,0 | 4,0 | 1,0 | 0,75 to 1,25 |
| LM-80-50-20 (-F) | 84 | 80 | 77 | 5,8 | 21,50 | 9,50 | 5,0 | 5,0 | 2,0 | 1,50 to 2,50 |
| LM-92-40-10(-F) | 97 | 92 | 89 | 6,0 | 19,50 | 9,50 | 4,0 | 4,0 | 1,0 | 0,75 to 1,25 |
| LM-92-40-20 (-F) | 97 | 92 | 89 | 6,0 | 20,50 | 9,50 | 4,0 | 5,0 | 2,0 | 1,50 to 2,50 |
| LM-92-50-10 (-F) | 97 | 92 | 89 | 6,0 | 21,50 | 10,50 | 5,0 | 4,0 | 1,0 | 0,75 to 1,25 |
| LM-92-50-20 (-F) | 97 | 92 | 89 | 6,0 | 22,50 | 10,50 | 5,0 | 5,0 | 2,0 | 1,50 to 2,50 |
| LM-92-60-10 (-F) | 97 | 92 | 89 | 6,0 | 23,50 | 11,50 | 6,0 | 4,0 | 1,0 | 0,75 to 1,25 |
| LM-92-60-20 (-F) | 97 | 92 | 89 | 6,0 | 24,50 | 11,50 | 6,0 | 5,0 | 2,0 | 1,50 to 2,50 |
| LM-119-40-10 (-F) | 125 | 119 | 116 | 8,0 | 22,00 | 9,50 | 4,0 | 4,5 | 1,0 | 0,75 to 1,25 |
| LM-119-40-20 (-F) | 125 | 119 | 116 | 8,0 | 23,00 | 9,50 | 4,0 | 5,5 | 2,0 | 1,50 to 2,50 |
| LM-119-50-10 (-F) | 125 | 119 | 116 | 8,0 | 24,00 | 10,50 | 5,0 | 4,5 | 1,0 | 0,75 to 1,25 |
| LM-119-50-20 (-F) | 125 | 119 | 116 | 8,0 | 25,00 | 10,50 | 5,0 | 5,5 | 2,0 | 1,50 to 2,50 |
| LM-119-60-10 (-F) | 125 | 119 | 116 | 8,0 | 26,00 | 11,50 | 6,0 | 4,5 | 1,0 | 0,75 to 1,25 |
| LM-119-60-20 (-F) | 125 | 119 | 116 | 8,0 | 27,00 | 11,50 | 6,0 | 5,5 | 2,0 | 1,50 to 2,50 |

All dimensions in mm!

Other sleeves/dimensions on request!

CAD Data sheets on www.thoptec.de and on „TraceParts“.

Legend:

| | | | | | |
|----------------|------------------------|----------------|----------------------------------------------|----------------|-----------------------------------------------|
| Size A: | max. outside dimension | Size D: | diameter of the plug-in peg | Size G: | flange thickness or fan height |
| Size B: | fan size | Size E: | overall height of the fan sleeve | Size H: | height of the plug-in peg over the fan sleeve |
| Size C: | min. inside dimension | Size F: | height of the fan sleeve without plug-in peg | Size S: | clearance of the plug-in peg |