



Technical Data Sheet
According to Regulation (EU): No. 811/2013 and No. 812/2013

Vacuum Tube Collector DF Standard

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|----------------------|------------------------------------|
| Manufacturer: | AkoTec Produktionsgesellschaft mbH |
| Model: | Vacuum Tube Collector DF Standard |

| Specification: | Symbol: | | | | | Unit: |
|----------------|---------|-------|-------|-------|-------|-------|
| Art-Nr.: | | 19105 | 19110 | 19120 | 19130 | |

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|---------------------------|--|----------|-----------|------------|------------|--|
| Collector type: OEM Vario | | 400-5 df | 800-10 df | 1600-20 df | 2400-30 df | |
|---------------------------|--|----------|-----------|------------|------------|--|

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|-------------------------|------|------|------|------|------|----------------|
| Collector Aperture area | Asol | 0,51 | 1,02 | 2,03 | 3,05 | m ² |
|-------------------------|------|------|------|------|------|----------------|

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|--------------------|----------|----|----|----|----|---|
| Optical efficiency | η_0 | 77 | 77 | 77 | 77 | % |
|--------------------|----------|----|----|----|----|---|

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|------------------------------------|----|------|------|------|------|-----------------------|
| Heat transfer coefficient (linear) | a1 | 1,94 | 1,94 | 1,94 | 1,94 | W/(m ² *K) |
|------------------------------------|----|------|------|------|------|-----------------------|

| | | | | | | |
|------------------------------------|----|--------|--------|--------|--------|-------------------------------------|
| Heat transfer coefficient (square) | a2 | 0,0060 | 0,0060 | 0,0060 | 0,0060 | W/(m ² *K ²) |
|------------------------------------|----|--------|--------|--------|--------|-------------------------------------|

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|--------------------------|-----|------|------|------|------|--|
| Incidence angle modifier | IAM | 1,02 | 1,02 | 1,02 | 1,02 | |
|--------------------------|-----|------|------|------|------|--|